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Human-Food Interaction

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Contents

1	Introduction	3
2	HFI: Two Sides of a Coin	8
3	Methodology & Scope	14
3.1	Methodology	14
3.2	Summary	18
4	Growing Food	19
4.1	Rural Agriculture	20
4.2	Urban agriculture	26
4.3	Vertical Farming	32
4.4	Summary	35
5	Cooking Food	37
5.1	Instrumental cooking	38
5.2	Experiential aspects of cooking	41
5.3	Food printers and the rise of digital gastronomy	44
5.4	Challenges for digital gastronomy	49
5.5	Summary	51

6	Eating Food	52
6.1	Healthy Eating	53
6.2	Mindful eating	60
6.3	Commensality	64
6.4	Solo-dining	70
6.5	Augmented eating	75
6.6	Food, play and the magic circle	83
6.7	Summary	87
7	Disposing of Food	89
7.1	Food waste during production and retail	90
7.2	Domestic food waste	91
7.3	Technological solutions	93
7.4	Food sharing	99
7.5	Summary	100
8	Reflections on HFI	102
8.1	Artisanship in cooking	102
8.2	Cooking, involvement and curiosity	104
8.3	Food and cultural identities	105
8.4	Culinary tourism, health and sense of belonging	107
8.5	Hedonic indulgences	109
8.6	Savoring	111
8.7	Robotic commensality	111
8.8	Summary	113
9	Speculative HFI	114
9.1	Cutting and sharing	115
9.2	Washing	116
9.3	Mixing	117
9.4	Satiety	117
9.5	Swallowing	118
9.6	Tasting through Body receptors	120
9.7	Chemical reaction	120
9.8	Shelf-life	121
9.9	Summary	122

10 Conclusion	123
10.1 From Human-Food Interaction to Human-Food Practice .	123
10.2 Designing for Human-Food Practice	126
Acknowledgements	129
References	130

Human-Food Interaction

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ABSTRACT

Food is not only fundamental to our existence, its consumption, handling or even the mere sight of its also brings us immense joy. Over the years, technology has played a crucial part in supporting and enriching food-related practices, beginning from how we grow, to how we cook, eat and dispose of food. All these practices have a significant impact not only on individuals but also on the surrounding ecologies and infrastructures, often discussed under the umbrella term of *Human-Food Interaction* (HFI).

This article aims to offer the reader an overview of the existing research in this space and to guide further its exploration. We illustrate how HFI builds on recent trends within HCI. We position this growth across four phases of HFI, namely, *Growing*, *Cooking*, *Eating* and *Disposal*. We categorize and disseminate the existing works across each of these phases to reveal a rich design space and to highlight the underexplored areas that interaction designers might find intriguing to investigate.

Using the design space, we articulate a set of opportunities that emphasize particular features the technology, especially hardware, has yet to offer to drive the human-food

interaction field forward. We highlight the design space for designing novel interactions with technologies by taking motivation from traditional food practices related to cooking and eating food.

Finally, we introduce “*Human Food Practices*” (HFP) an emerging field of investigation that concerns itself with the formation and transformation of practices as they are enacted within the dynamics, motivations and perceptions of societal norms associated with food.

“If more of us valued food and cheer and song above hoarded gold, it would be a merrier world.”

— J.R.R. Tolkien

1

Introduction

“One of the very nicest things about life is the way we must regularly stop whatever it is we are doing and devote our attention to eating.”

— Luciano Pavarotti

Food is undeniably an essential facet of our life. From birth until the moment we die, we spend countless hours procuring, preparing, eating and digesting food (Rozin *et al.*, 2003). Food engages our senses and connects us with other people. Food also has a rich cultural and social history. Its preparation, consumption and even its mere sight bring us immense joy (Cabanac, 2010; Lupton, 1996). As French gastronome Brillat-Savarin (Brillat-Savarin and Buford, 2011) notes, pleasures associated with eating and drinking constitute some of life’s most enjoyable experiences. It is thus no surprise that most millennials identify themselves as “*Foodies*” (Sarasoehn-Kahn, 2016).

Today, food is the world’s biggest industry (Murray, 2007). The rapid evolution and uptake of digital technologies have blurred “*the lines between the physical, digital, and biological spheres*” (Schwab, 2016) and played a crucial role in supporting our food-related practices starting from how we grow, shop, cook, present, eat and dispose of food with

the use of digital technology (Khot *et al.*, 2017b). Food practices are here defined as any human activity in which food is involved, ranging from agriculture, food preparation, eating, gifting food, sharing meals and cleaning up. Symons (Symons, 1994) refer to these practices as “*the human food cycle*”. These efforts are studied in HCI under the umbrella term of *Human-Food Interaction* (HFI) (Comber *et al.*, 2014).

Although there exists no one agreed upon definition of Human-Food Interaction, Choi and colleagues (Choi *et al.*, 2014) define it as “*the interconnection between the self and food*” (p.4). This interconnection is important because, “*food fundamentally influences the self and, at the same time, a person’s actions also significantly influence – beyond individual food choices – the real food and related systems*” (ibid, p. 4).

This article offers a first of its kind overview of research in this fascinating interdisciplinary field. We are motivated to illustrate how HFI builds on recent trends within HCI across all phases of the human food cycle.

Early-adopter HFI researchers are experimenting with new and emerging technologies like food printing (Khot *et al.*, 2017a; Sun *et al.*, 2015), virtual reality (Arnold *et al.*, 2018b), robotics (Mehta *et al.*, 2018), acoustic levitation (Vi *et al.*, 2017) and shape changing interfaces (Wang *et al.*, 2017) to illustrate new ways of interacting with food. These works offer a glimpse of a possible ubiquitous future where food and technology could converge, leading to new possibilities for interacting with food. At the same time, experts in the fields of gastrophysics (Spence, 2017) and molecular gastronomy (Adria *et al.*, 2006) outline various innovative ways in which restaurants and food industry could innovate in food design.

This movement occurs in tandem with technological advances which have seen agricultural robots¹ and drones² designed to support efficient farming practices while smart kitchens (Mizrahi *et al.*, 2016) and appliances (Laursen *et al.*, 2015; Sun *et al.*, 2015) are also paving their way in consumer markets offering efficient food preparation processes. Visual

¹ Farm Bot: <https://farm.bot/>

² Sensefly: <https://www.sensefly.com/solution/ag-360/>

social media like Instagram and Facebook are framing and intervening in many of our dining out experiences, leading to the fetishization of food and food experiences (Ibrahim, 2015). At the time of writing (Mar 2019), there were 327,368,100 posts on *Instagram* for #food and 191,080,154 posts for #foodporn (and these numbers will grow in a mere matter of minutes). People are using various online forums³, print⁴, and digital media⁵ to seek expert advice and to share ideas on cooking, fermentation, gardening, diets, and sustainable living. Food is also a favourite theme amongst digital games with titles such as *Cooking Mama*⁶, *Fruit Ninja*⁷, and *Cooking Dash*⁸ that simulate cooking, selling or eating activities in virtual environments. Practices of personalized nutrition (e.g., Soylent) (Dolejšová and Kera, 2017), DIY food sciences (Kuznetsov *et al.*, 2016b), and open genomics (Shaer *et al.*, 2017) are also gaining currency among the millennials.

Equally, if not more interestingly, technologies are transforming, in diverse and significant ways, multiple socio-cultural aspects of food. For example, whole societies are increasingly doing away with communal meal times to eat alone (Lahad and May, 2017), while individuals rely on digital media to fill the growing gaps in dining companionship (Parrett, 2016). Worldwide obesity has nearly tripled since 1975 with over 40% of adults are now overweight⁹ and technology use is considered to be a key part of the problem (Kautiainen *et al.*, 2005; Reid Chassiakos *et al.*, 2016). Food waste, on the other hand, is a globally concerning phenomenon, with roughly one third of the food produced in the world for human consumption getting thrown away or wasted¹⁰. Ironically, U.N.'s 2017 annual report reveals that 11% of the global population is

³ Homebrewing association: <https://www.homebrewersassociation.org/forum/>

⁴ Fine cooking magazine: <https://www.finecooking.com/magazine>

⁵ Garden design search on Pinterest: <https://www.pinterest.com.au/search/pins/?rs=trending&q=Garden%20Design>

⁶ Cooking Mama: <http://www.cookingmama.com/>

⁷ Fruit Ninja: <https://fruitninja.com/>

⁸ Cooking Dash: <https://www.glu.com/games/cooking-dash/>

⁹ WHO report on obesity: <https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight>

¹⁰ FAO report on food waste: <http://www.fao.org/save-food/resources/keyfindings/en/>

still living in hunger with no easy access to clean and healthy food¹¹. In these challenging and interesting times, there is certainly plenty of onus to think and reflect before designing technology mediated ubiquitous food future and shape a better relationship with our environment and our own humanity.

The field of HFI has already been actively studying these topics through various workshops (Choi *et al.*, 2012; Clear *et al.*, 2013; Comber *et al.*, 2012; Dolejšová *et al.*, 2018; Kuznetsov *et al.*, 2016b; Raturi *et al.*, 2017) and symposia¹². There are emergent active communities working in this field, including: *FoodCHI Special Interest Group* (Khot *et al.*, 2017b); *SIGCHI foodCHI network*¹³; *Facebook FoodCHI group*¹⁴ and; an *ACM Future of Computing Academy working group on Computing and Food*¹⁵. Besides, Altarriba Bertran *et al.* (2019) have introduced the “*making sense of HFI*” dataset that offer a web-based visualisation tool on existing HFI research in HCI.

In this article, we offer a review of the modest but rapidly growing body of academic literature on the topic of HFI. We present a structured overview of literature across four phases of HFI, namely, growing, cooking, eating and disposal. We systematically examine and outline the critical literature within HCI on each of the food cycles and offer a comprehensive picture of opportunities, challenges, and research gaps to guide further research. Our work offers a knowledge base through accumulating findings from a range of projects and studies, while for HFI researchers and scholars, this article presents opportunities for further research. We conclude this article by offering a vision towards “*Human-Food Practices (HFP)*” that goes beyond the dyadic interaction between the self and food and considers the dynamics of social norms, motivations and perceptions, and how they are formed

¹¹ UN's report on food security: <http://www.fao.org/state-of-food-security-nutrition/en/>

¹² HFI Symposia: <http://datamaterialities.org/foodchi.html>, <http://foodchi.urbaninformatics.net/>

¹³ SIGCHI FoodCHI network: <http://prior.sigchi.org/communities/foodchi>

¹⁴ Facebook FoodCHI group: <https://www.facebook.com/groups/FoodCHI/>

¹⁵ ACM group on Computing and Food: <https://acm-fca.org/2018/07/01/future-of-computing-food-manifesto/>

and transformed through the continued enactment of a particular food practice.

Although we have framed HFI as a sub-discipline of HCI here, we do acknowledge the transdisciplinary nature of food research that extends beyond the disciplinary borders of HCI. It is worth mentioning that research on HFI issues has also been carried out elsewhere in larger fields such as anthropology (Holtzman, 2006; Mintz and Du Bois, 2002), sociology (Schneider, 2018; Warde, 2016), media studies (Counihan and Van Esterik, 2012; Frost and Strickland, 2016), medical sciences (Kendrick, 2008; Scrinis, 2013; Willett and Stampfer, 2013), and psychology (Bays, 2017; Conner and Armitage, 2002; Rogers *et al.*, 2016). As a result, we acknowledge that this article might not be a thorough review of prior research efforts and may miss concepts and ideas from other related fields of research.

The article is structured in the following way. We first argue that designers need to pay attention to two core aspects when it comes to human-food interaction: the *instrumental*, a term which refers to corrective uses of technology, for instance, how food is used as a source of energy and its relation to health and wellbeing; and the *experiential*, which refers to how food affords rich multi-sensorial experiences and its relation to our identity, enjoyment, and society.

These two aspects are then considered across the four phases of HFI: *growing*, *cooking*, *eating*, and *disposal*. We categorize and disseminate existing works across each of these phases to unfold a rich design space that highlights underexplored areas of investigation that interaction designers may find intriguing for further studies. Using the design space, we articulate a set of opportunities with a particular focus on hardware to advance human-food interaction field forward before concluding with our vision towards designing and studying “*Human-Food Practices (HFP)*”.

References

- Adler, E., M. A. Hoon, K. L. Mueller, J. Chandrashekar, N. J. Ryba, and C. S. Zuker. 2000. "A novel family of mammalian taste receptors". *Cell*. 100: 693–702.
- Adria, F., J. Soler, and A. Adria. 2006. "El Bulli 2003-2004, Pck Slp edition". ed. Ecco.
- Aitkenhead, M., D. Donnelly, M. Coull, and H. Black. 2013. "E-SMART: Environmental Sensing for Monitoring and Advising in Real-Time". In: *Environmental Software Systems*. Fostering Information Sharing. Springer Berlin Heidelberg. 129–142.
- Aker, J. C. 2011. "Dial "A" for agriculture: a review of information and communication technologies for agricultural extension in developing countries". *Agric. Econ.* 42: 631–647.
- Albala, K. and R. N. Henderson. 2010. "The Lost Art of Real Cooking: Rediscovering the Pleasures of Traditional Food One Recipe at a Time, 1 edition. ed. TarcherPerigee.
- Alkerwi, A. a., N. Sauvageot, G. E. Crichton, M. F. Elias, and S. Stranges. 2016. "Daily chocolate consumption is inversely associated with insulin resistance and liver enzymes in the Observation of Cardiovascular Risk Factors in Luxembourg study". *Br. J. Nutr.* 115: 1661–1668.

- Allgrove, J., E. Farrell, M. Gleeson, G. Williamson, and K. Cooper. 2011. "Regular dark chocolate consumption's reduction of oxidative stress and increase of free-fatty-acid mobilization in response to prolonged cycling". *Int. J. Sport Nutr. Exerc. Metab.* 21: 113–123.
- Al-Kodmany, K. 2018. "The Vertical Farm: A Review of Developments and Implications for the Vertical City". *Buildings*. 8: 24.
- Almiron-Roig, E., I. Solis-Trapala, J. Dodd, and S. A. Jebb. 2013. "Estimating food portions. Influence of unit number, meal type and energy density". *Appetite*. 71: 95–103.
- Altarriba, F., S. E. Lanzani, A. Torralba, and M. Funk. 2017. "The Grumpy Bin: Reducing Food Waste Through Playful Social Interactions". In: *Proceedings of the 2017 ACM Conference Companion Publication on Designing Interactive Systems, DIS '17 Companion*. ACM, New York, NY, USA. 90–94.
- Altarriba Bertran, F., S. Jhaveri, R. Lutz, K. Isbister, and D. Wilde. 2019. "April. Making Sense of Human-Food Interaction". In: *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems*. ACM. 678.
- Altman, E. 2017. "How Alice Waters changed the landscape of food". *The Guardian*.
- Amft, O. and G. Troster. 2009. "On-Body Sensing Solutions for Automatic Dietary Monitoring". *IEEE Pervasive Comput.* 8: 62–70.
- Andrew, A. H., G. Borriello, and J. Fogarty. 2013. "Simplifying mobile phone food diaries: design and evaluation of a food index-based nutrition diary". In: *Proceedings of the 7th International Conference on Pervasive Computing Technologies for Healthcare*. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering). 260–263.
- Angara, P., M. Jiménez, K. Agarwal, H. Jain, R. Jain, U. Stege, S. Ganti, H. A. Müller, and J. W. Ng. 2017. "Foodie Fooderson a Conversational Agent for the Smart Kitchen". In: *Proceedings of the 27th Annual International Conference on Computer Science and Software Engineering, CASCON '17*. IBM Corp. Riverton, NJ, USA. 247–253.

- Aoyama, H., M. Ozeki, and Y. Nakamura. 2009. "Smart Cooking Support System Based on Interaction Reproducing Model". In: *Proceedings of the ACM Multimedia 2009 Workshop on Multimedia for Cooking and Eating Activities, CEA '09*. ACM, New York, NY, USA. 39–46.
- Arakawa, Y. 2014. Moomin, Japan's "anti-loneliness" cafe, goes viral. CNN.
- Areni, C. S. and M. Burger. 2008. "Memories of "bad" days are more biased than memories of "good" days: past Saturdays vary, but past Mondays are always blue". *J. Appl. Soc. Psychol.* 38: 1395–1415.
- Arnold, P., R. A. Khot, and F. 'floyd' Mueller. 2018b. "You Better Eat to Survive: Exploring Cooperative Eating in Virtual Reality Games". In: *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction*. ACM. 398–408.
- Arnold, P., R. A. Khot, and F. Mueller. 2018a. "You Better Eat to Survive": Exploring Cooperative Eating in Virtual Reality Games". In: *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction*.
- Arroyo, E., L. Bonanni, and T. Selker. 2005. "Waterbot: Exploring Feedback and Persuasive Techniques at the Sink". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '05*. ACM, New York, NY, USA. 631–639.
- Arza, E., H. Kurra, Y. Wang, R. A. Khot, and F. Mueller. 2018. "Feed the Food Monsters!: Helping Co-diners Chew their Food Better with Augmented Reality. In: Extended Abstracts Publication of the Annual Symposium on Computer-Human Interaction in Play". ACM.
- Avery, A., C. Anderson, and F. McCullough. 2017. "Associations between children's diet quality and watching television during meal or snack consumption: A systematic review". *Matern. Child Nutr.* 13.

- Aydin, A., A. Micallef, S. Lovelace, X. Li, V. Cheung, and A. Girouard. 2017. "Save the Kiwi: Encouraging Better Food Management Through Behaviour Change and Persuasive Design Theories in a Mobile App". In: *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '17*. ACM, New York, NY, USA. 2366–2372.
- Azevedo, E. D. E. 2015. "FOOD ACTIVISM: THE LOCAVORISM PERSPECTIVE". *Ambient. soc.* 18: 81–98.
- Barden, P., R. Comber, D. Green, D. Jackson, C. Ladha, T. Bartindale, N. Bryan-Kinns, T. Stockman, and P. Olivier. 2012. "Telematic Dinner Party: Designing for Togetherness Through Play and Performance". In: *Proceedings of the Designing Interactive Systems Conference, DIS '12*. ACM, New York, NY, USA. 38–47.
- Bays, J. C. 2009. "Mindful Eating: A Guide to Rediscovering a Healthy and Joyful Relationship with Food". F First Edition Used edition. ed. Shambhala.
- Bays, J. C. 2017. "Mindful Eating: A Guide to Rediscovering a Healthy and Joyful Relationship with Food". (Revised Edition), Revised edition. ed. Shambhala.
- Bekker, T., J. Sturm, and B. Eggen. 2010. "Designing playful interactions for social interaction and physical play". *Personal and Ubiquitous Computing*. 14(5): 385–396.
- Bell, G. and J. Kaye. 2002. "Designing Technology for Domestic Spaces: A Kitchen Manifesto". *Gastronomica*. 2: 46–62.
- Benke, K. and B. Tomkins. 2017. "Future food-production systems: vertical farming and controlled-environment agriculture". *Sustain. Sci. Pract. Policy*. 13: 13–26.
- Beretta, C., F. Stoessel, U. Baier, and S. Hellweg. 2013. "Quantifying food losses and the potential for reduction in Switzerland". *Waste Manag.* 33: 764–773.
- Bianchi, S. M., M. A. Milkie, L. C. Sayer, and J. P. Robinson. 2000. "Is Anyone Doing the Housework? Trends in the Gender Division of Household Labor". *Soc. Forces*. 79: 191–228.
- Blasco, R., Á. Marco, R. Casas, D. Cirujano, and R. Picking. 2014. "A smart kitchen for ambient assisted living". *Sensors*. 14: 1629–1653.

- Block, L. G., S. A. Grier, T. L. Childers, B. Davis, J. E. J. Ebert, S. Kumanyika, R. N. Laczniak, J. E. Machin, C. M. Motley, L. Peracchio, S. Pettigrew, M. Scott, and M. N. G. van Ginkel Bieshaar. 2011. "From Nutrients to Nurturance: A Conceptual Introduction to Food Well-Being". *Journal of Public Policy & Marketing*. 30: 5–13.
- Blumenstock, J., G. Cadamuro, and R. On. 2015. "Predicting poverty and wealth from mobile phone metadata". *Science*. 350: 1073–1076.
- Blumenthal, H. 2008. *The Big Fat Duck Cookbook, Slp edition*. ed: Bloomsbury USA.
- Bogost, I. 2016. *Play Anything: The Pleasure of Limits, the Uses of Boredom, and the Secret of Games*. 1st ed. ed: Basic Books.
- Bonanni, L., C.-H. Lee, and T. Selker. 2005. "Attention-based Design of Augmented Reality Interfaces". In: *CHI '05 Extended Abstracts on Human Factors in Computing Systems, CHI EA '05*. ACM, New York, NY, USA. 1228–1231.
- Botros, F., C. Perin, B. A. Aseniero, and S. Carpendale. 2016. "Go and Grow: Mapping Personal Data to a Living Plant". In: *Proceedings of the International Working Conference on Advanced Visual Interfaces, AVI '16*. ACM, New York, NY, USA. 112–119.
- Brillat-Savarin, J. A. and B. Buford. 2011. "The Physiology of Taste: Or Meditations on Transcendental Gastronomy". (Vintage Classics), Reprint edition. ed. Vintage.
- Britz, W., H. Dudu, E. Ferrari, *et al.* 2014. "Economy-wide impacts of food waste reduction: a general equilibrium approach. In: Presentation at the EAAE 2014 Congress "Agri-Food and Rural Innovations for Healthier Societies"". August. ageconsearch.umn.edu.
- Brueggemann, M. J., V. Thomas, and D. Wang. 2018. "Lickable Cities: Lick Everything in Sight and on Site". In: *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems, CHI EA '18*. ACM, New York, NY, USA. alt06:1–alt06:10.
- Bryant, F. 2003. "Savoring Beliefs Inventory (SBI): A scale for measuring beliefs about savouring". *J. Ment. Health*. 12: 175–196.
- Bryant, F. B. and J. Veroff. 2017. "Savoring: A new model of positive experience". Psychology Press.

- Brynjarsdottir, H., M. Håkansson, J. Pierce, E. Baumer, C. DiSalvo, and P. Sengers. 2012. “Sustainably Unpersuaded: How Persuasion Narrows Our Vision of Sustainability”. In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '12*. ACM, New York, NY, USA. 947–956.
- Bucci, M., C. Calefato, S. Colombetti, M. Milani, and R. Montanari. 2010. “Fridge fridge on the wall: what can I cook for us all?: an HMI study for an intelligent fridge. In: AVI”. *flore.unifi.it*. 415.
- Burger, J. R. and T. S. Fristoe. 2018. “Hunter-gatherer populations inform modern ecology”. *Proc. Natl. Acad. Sci. U. S. A.* 115: 1137–1139.
- Burke, L. E., M. A. Styn, S. M. Sereika, M. B. Conroy, L. Ye, K. Glanz, M. A. Sevick, and L. J. Ewing. 2012. “Using mHealth technology to enhance self-monitoring for weight loss: a randomized trial”. *Am. J. Prev. Med.* 43: 20–26.
- Burke, M. and D. B. Lobell. 2017. “Satellite-based assessment of yield variation and its determinants in smallholder African systems”. *Proc. Natl. Acad. Sci. U. S. A.* 114: 2189–2194.
- Busch, M., E. Mattheiss, R. Orji, A. Marczewski, W. Hochleitner, M. Lankes, L. E. Nacke, and M. Tscheligi. 2015. “Personalization in Serious and Persuasive Games and Gamified Interactions”. In: *Proceedings of the 2015 Annual Symposium on Computer-Human Interaction in Play, CHI PLAY '15*. ACM, New York, NY, USA. 811–816.
- Buzby, J. 2014. “Overview of Food Loss in the United States. In: The Last Food Mile Conference”.
- Cabanac, M. 2010. “The dialectics of pleasure. Pleasures of the brain 113–124”.
- Caillois, R. 2001. *Man, Play, and Games*. University of Illinois Press.
- Camilleri, G. M., C. Méjean, F. Bellisle, V. A. Andreeva, E. Kesse-Guyot, S. Hercberg, and S. Péneau. 2016. “Intuitive eating is inversely associated with body weight status in the general population-based NutriNet-Santé study”. *Obesity*. 24: 1154–1161.

- Cappellini, B. and E. Parsons. 2012. "Practising Thrift at Dinnertime: Mealtime Leftovers, Sacrifice and Family Membership". *Sociol. Rev.* 60: 121–134.
- Carrozzo, F., R. Faccini, A. Falci, B. Redaelli, M. Gelsomini, G. Zannoni, and F. Garzotto. 2018. "IDROPO, A Hydroponic Planting System to Teach Gardening Through Play". In: *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems, CHI EA '18*. ACM, New York, NY, USA. D319:1–D319:4.
- Casas, J., E. Mugellini, and O. A. Khaled. 2018. "Food Diary Coaching Chatbot". In: *Proceedings of the 2018 ACM International Joint Conference and 2018 International Symposium on Pervasive and Ubiquitous Computing and Wearable Computers, UbiComp '18*. ACM, New York, NY, USA. 1676–1680.
- Castelló Ferrer, E., J. Rye, G. Brander, T. Savas, D. Chambers, H. England, and C. Harper. 2019. "Personal Food Computer: A New Device for Controlled-Environment Agriculture". In: *Proceedings of the Future Technologies Conference (FTC)*. Springer International Publishing. 1077–1096.
- Cha, E., J. Forlizzi, and S. S. Srinivasa. 2015. "Robots in the Home: Qualitative and Quantitative Insights into Kitchen Organization". In: *Proceedings of the Tenth Annual ACM/IEEE International Conference on Human-Robot Interaction*. ACM. 319–326.
- Chai, M. Z., A. Soro, P. Roe, and M. Brereton. 2017. "Cooking Together at a Distance: Sustain Connectedness for Long Distance Families". In: *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '17*. ACM, New York, NY, USA. 2437–2444.
- Chamberlain, A. and C. Griffiths. 2013. "Wild food practices: understanding the wider implications for design and HCI". In: *Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct*. Publication. academia.edu.
- Chandon, P. and B. Wansink. 2012. "Does food marketing need to make us fat? A review and solutions". *Nutr. Rev.* 70: 571–593.

- Chang, K.-H., S.-Y. Liu, H.-H. Chu, J. Y.-J. Hsu, C. Chen, T.-Y. Lin, C.-Y. Chen, and P. Huang. 2006. "The Diet-Aware Dining Table: Observing Dietary Behaviors over a Tabletop Surface". In: *Lecture Notes in Computer Science*. 366–382.
- Chenhall, C. 2010. "Improving Cooking and Food Preparation Skills: A Synthesis of the Evidence to Inform Program and Policy Development - Canada.ca".
- Chia, F.-Y. and D. Saakes. 2014. "Interactive Training Chopsticks to Improve Fine Motor Skills". In: *Proceedings of the 11th Conference on Advances in Computer Entertainment Technology, ACE '14*. ACM, New York, NY, USA. 57:1–57:4.
- Chisik, Y., P. Pons, and J. Jaen. 2018. "Gastronomy Meets Ludology: Towards a Definition of What It Means to Play with Your (Digital) Food". In: *Proceedings of the 2018 Annual Symposium on Computer-Human Interaction in Play Companion Extended Abstracts, CHI PLAY '18 Extended Abstracts*. ACM, New York, NY, USA. 155–168.
- Chiu, M.-C., S.-P. Chang, Y.-C. Chang, H.-H. Chu, C. C.-H. Chen, F.-H. Hsiao, and J.-C. Ko. 2009. "Playful bottle: a mobile social persuasion system to motivate healthy water intake". In: *Proceedings of the 11th International Conference on Ubiquitous Computing*. ACM. 185–194.
- Choi, J. H.-J. and E. Blevis. 2010. "HCI & Sustainable Food Culture: A Design Framework for Engagement". In: *Proceedings of the 6th Nordic Conference on Human-Computer Interaction: Extending Boundaries, NordiCHI '10*. ACM, New York, NY, USA. 112–117.
- Choi, J. H.-J., M. Foth, G. Farr-Wharton, and P. Lyle. 2011. "Designing for engagement towards healthier lifestyles through food image sharing: the case of I8DAT".
- Choi, J. H.-J., M. Foth, and G. Hearn. 2014. *Eat, Cook, Grow: Mixing Human-Computer Interactions with Human-Food Interactions*. MIT Press.
- Choi, J. H.-J., C. Linehan, R. Comber, and J. McCarthy. 2012. "Food for Thought: Designing for Critical Reflection on Food Practices". In: *Proceedings of the Designing Interactive Systems Conference, DIS '12*. ACM, New York, NY, USA. 793–794.

- Chun, K. S., S. Bhattacharya, and E. Thomaz. 2018. “Detecting Eating Episodes by Tracking Jawbone Movements with a Non-Contact Wearable Sensor”. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies*. 2: 4.
- Chung, C.-F., E. Agapie, J. Schroeder, S. Mishra, J. Fogarty, and S. A. Munson. 2017. In: *When Personal Tracking Becomes Social: Examining the Use of Instagram for Healthy Eating. Proc SIGCHI Conf Hum Factor Comput Syst 2017*. 1674–1687.
- Cialdini, R. B. and M. R. Trost. 1998. “Social influence: Social norms, conformity and compliance”. In: *The Handbook of Social Psychology*. Ed. by G. D. T., F. S. T., and G. Lindzey. McGraw-Hill. 151–192.
- Clear, A. K., R. Comber, A. Friday, E. Ganglbauer, M. Hazas, and Y. Rogers. 2013. “Green Food Technology: UbiComp Opportunities for Reducing the Environmental Impacts of Food”. In: *Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication, UbiComp '13 Adjunct*. ACM, New York, NY, USA. 553–558.
- Clear, A. K., T. Holland, S. Dobson, A. Quigley, R. Shannon, and P. Nixon. 2010. “Situvis: A sensor data analysis and abstraction tool for pervasive computing systems”. *Pervasive Mob. Comput.* 6: 575–589.
- Cohen, E. and N. Avieli. 2004. “Food in tourism: Attraction and Impediment”. *Ann. Touris. Res.* 31: 755–778.
- Comber, R., J. H.-J. Choi, J. Hoonhout, and K. O’hara. 2014. “Designing for human-food interaction: An introduction to the special issue on ’food and interaction design’”. *Int. J. Hum. Comput. Stud.* 72: 181–184.
- Comber, R., E. Ganglbauer, J. H.-J. Choi, J. Hoonhout, Y. Rogers, K. O’Hara, and J. Maitland. 2012. “Food and Interaction Design: Designing for Food in Everyday Life”. In: *CHI '12 Extended Abstracts on Human Factors in Computing Systems, CHI EA '12*. ACM, New York, NY, USA. 2767–2770.

- Confalonieri, R., M. Foi, R. Casa, S. Aquaro, E. Tona, M. Peterle, A. Boldini, G. De Carli, A. Ferrari, G. Finotto, T. Guarneri, V. Manzoni, E. Movedi, A. Nisoli, L. Paleari, I. Radici, M. Suardi, D. Veronesi, S. Bregaglio, G. Cappelli, M. E. Chiodini, P. Dominoni, C. Francone, N. Frasso, T. Stella, and M. Acutis. 2013. "Development of an app for estimating leaf area index using a smartphone. Trueness and precision determination and comparison with other indirect methods". *Comput. Electron. Agric.* 96: 67–74.
- Connelly, K. H., A. M. Faber, Y. Rogers, K. A. Siek, and T. Toscos. 2006. "Mobile applications that empower people to monitor their personal health". *e & i Elektrotechnik und Informationstechnik*. 123: 124–128.
- Conner, M. and C. J. Armitage. 2002. *The Social Psychology of Food*, 1. edition. ed. Open University Press.
- Cooper, D. 2013. "GrowCube promises to grow food with ease indoors (hands-on)". [WWW Document]. Engadget. <https://www.engadget.com/2013/11/08/insert-coin-growcubes-hands-on/> (accessed 7.18.18).
- Cordeiro, F., D. A. Epstein, E. Thomaz, E. Bales, A. K. Jagannathan, G. D. Abowd, and J. Fogarty. 2015. "Barriers and Negative Nudges: Exploring Challenges". In: *Food Journaling. Proc SIGCHI Conf Hum Factor Comput Syst*. 1159–1162.
- Counihan, C. and P. Van Esterik. 2012. "Food and Culture: A Reader". Routledge.
- Crabtree, A., M. Rouncefield, and P. Tolmie. 2013. "Cooking for pleasure. Ethnomethodology at Play. Ashgate 21–52".
- Crichton, G. E., M. F. Elias, and A. 'a. Alkerwi. 2016. "Chocolate intake is associated with better cognitive function: The Maine-Syracuse Longitudinal Study". *Appetite*. 100: 126–132.
- Cruz, A. and B. G. Green. 2000. "Thermal stimulation of taste". *Nature*. 403: 889.

- Cuendet, S., I. Medhi, K. Bali, and E. Cutrell. 2013. "VideoKheti: Making Video Content Accessible to Low-literate and Novice Users". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '13*. ACM, New York, NY, USA. 2833–2842.
- Davis, H., B. Nansen, F. Vetere, T. Robertson, M. Brereton, J. Durick, and K. Vaisutis. 2014. "Homemade Cookbooks: A Recipe for Sharing". In: *Proceedings of the 2014 Conference on Designing Interactive Systems, DIS '14*. ACM, New York, NY, USA. 73–82.
- Davis, H., F. Vetere, M. Gibbs, and P. Francis. 2012. "Come play with me: designing technologies for intergenerational play". *Univ Access Inf Soc*. 11: 17–29.
- De Jong, A., L. Kuijer, and T. Rydell. 2013. "Balancing food values: Making sustainable choices within cooking practices". In: *Nordes 2013 conference*. 127–135.
- De Koven, B. 2013. *The Well-Played Game: A Player's Philosophy*. MIT Press.
- Delgado, J. and B. Johnsmeyer. 2014. "Millennials Eat Up YouTube Food Videos [WWW Document]. Think with Google". (accessed 9.11.18). URL: <https://www.thinkwithgoogle.com/consumer-insights/millennials-eat-up-youtube-food-videos/>.
- Depoortere, I. 2014. "Taste receptors of the gut: emerging roles in health and disease". *Gut*. 63: 179–190.
- Desmet, P. M. A. and H. N. J. Schifferstein. 2008. "Sources of positive and negative emotions in food experience". *Appetite*. 50: 290–301.
- Despommier, D. 2013. "Farming up the city: the rise of urban vertical farms. Trends Biotechnol".
- Devaney, L. and A. R. Davies. 2017. "Disrupting household food consumption through experimental HomeLabs: Outcomes, connections, contexts". *Journal of Consumer Culture*. 17: 823–844.
- Devin, B. and C. Richards. 2016. "Powerful supermarkets push the cost of food waste onto suppliers, charities. The Conversation".
- Diamond, J. 2017. *Guns, Germs, and Steel: The Fates of Human Societies*. W. W. Norton & Company.

- Dolejšová, M. and D. Kera. 2016. “Fermentation GitHub: Designing for Food Sustainability in Singapore”. In: *Proceedings of the 2Nd International Conference in HCI and UX Indonesia 2016, CHIuXiD '16*. ACM, New York, NY, USA. 69–76.
- Dolejšová, M. and D. Kera. 2017. “Soylent Diet Self-Experimentation: Design Challenges in Extreme Citizen Science Projects”. In: *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing, CSCW '17*. ACM, New York, NY, USA. 2112–2123.
- Dolejšová, M., R. A. Khot, H. Davis, H. S. Ferdous, and A. Quitmeyer. 2018. “Designing Recipes for Digital Food Futures”. In: *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems, CHI EA '18*. ACM, New York, NY, USA. W10:1–W10:8.
- Dolejšová, M. and T. Lišková. 2015. “StreetSauce: Taste Interaction and Empathy with Homeless People”. In: *Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems*. ACM. 1247–1252.
- Doman, K., C. Y. Kuai, T. Takahashi, I. Ide, and H. Murase. 2012. “Smart VideoCooKing: A Multimedia Cooking Recipe Browsing Application on Portable Devices”. In: *Proceedings of the 20th ACM International Conference on Multimedia, MM '12*. ACM, New York, NY, USA. 1267–1268.
- Doucleff, M. 2013. *Vertical “Pinkhouses:”The Future of Urban Farming?* NPR: The.
- Eikey, E. V. and M. C. Reddy. 2017. ““It’s Definitely Been a Journey”: A Qualitative Study on How Women with Eating Disorders Use Weight Loss Apps”. In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, CHI '17*. ACM, New York, NY, USA. 642–654.
- Epstein, D. A., F. Cordeiro, J. Fogarty, G. Hsieh, and S. A. Munson. 2016. “Crumbs: Lightweight Daily Food Challenges to Promote Engagement and Mindfulness”. In: *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, CHI '16*. ACM, New York, NY, USA. 5632–5644.

- Evans, D. 2012. "Beyond the Throwaway Society: Ordinary Domestic Practice and a Sociological Approach to Household Food Waste". *Sociology*. 46: 41–56.
- Everett, S. 2016. *Food and Drink Tourism: Principles and Practice*. SAGE.
- Eyer, D. E. 1992. "Mother-Infant Bonding: A Scientific Fiction". Yale University Press.
- Fafchamps, M. and R. V. Hill. 2008. "Price Transmission and Trader Entry in Domestic Commodity Markets". *Econ. Dev. Cult. Change*. 56: 729–766.
- Fardet, A. and E. Rock. 2014. "Toward a new philosophy of preventive nutrition: from a reductionist to a holistic paradigm to improve nutritional recommendations". *Adv. Nutr.* 5: 430–446.
- Farhat, G., S. Drummond, L. Fyfe, and E. A. S. Al-Dujaili. 2014. "Dark chocolate: an obesity paradox or a culprit for weight gain?". *Phytother. Res.* 28: 791–797.
- Farr-Wharton, G., J. H.-J. Choi, and M. Foth. 2014. "Food Talks Back: Exploring the Role of Mobile Applications in Reducing Domestic Food Wastage". In: *Proceedings of the 26th Australian Computer-Human Interaction Conference on Designing Futures: The Future of Design, OzCHI '14*. ACM, New York, NY, USA. 352–361.
- Farr-Wharton, G., M. Foth, and J. H.-J. Choi. 2013. "EatChaFood: Challenging Technology Design to Slice Food Waste Production". In: *Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication, UbiComp '13 Adjunct*. ACM, New York, NY, USA. 559–562.
- Ferdous, H. S., B. Ploderer, H. Davis, F. Vetere, and K. O'hara. 2016a. "Commensality and the Social Use of Technology During Family Mealtime". *ACM Trans. Comput. -Hum. Interact.* 23: 37:1–37:26.
- Ferdous, H. S., B. Ploderer, H. Davis, F. Vetere, K. O'Hara, G. Farr-Wharton, and R. Comber. 2016b. "TableTalk: Integrating Personal Devices and Content for Commensal Experiences at the Family Dinner Table". In: *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp '16*. ACM, New York, NY, USA. 132–143.

- Ferdous, H. S., F. Vetere, H. Davis, B. Ploderer, K. O'Hara, R. Comber, and G. Farr-Wharton. 2017. "Celebratory Technology to Orchestrate the Sharing of Devices and Stories During Family Mealtimes". In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, CHI '17*. ACM, New York, NY, USA. 6960–6972.
- Finkelstein, J. 2003. "The Taste of Boredom: McDonaldization and Australian Food Culture". *Am. Behav. Sci.* 47: 187–200.
- Fischler, C. 1988. *Food, self and identity*. SAGE Publications.
- Fischler, C. 2011. "Commensality, society and culture". *Soc. Sci. Inf.* 50: 528–548.
- Fischler, C. and M. Chiva. 1986. "Food likes, dislikes and some of their correlates in a sample of French children and young adults". In: *Measurement and Determinants of Food Habits and Food Preferences: Report of an EC Workshop*. Giessen, West-Germany, 1-4 May 1985/edited by Joerg M. Diehl and Claus Leitzmann. [Wageningen]: EURO NUT [1986?]
- Ford, G. 1996. "Putting feeding back into the hands of patients". *J. Psychosoc. Nurs. Ment. Health Serv.* 34: 35–39.
- Fortmann, J., V. Cobus, W. Heuten, and S. Boll. 2014. "WaterJewel: Design and Evaluation of a Bracelet to Promote a Better Drinking Behaviour". In: *Proceedings of the 13th International Conference on Mobile and Ubiquitous Multimedia, MUM '14*. ACM, New York, NY, USA. 58–67.
- Foth, M. 2017. "The next urban paradigm: Cohabitation in the smart city. it - Information Technology 59".
- Francis, H. M., R. J. Stevenson, M. J. Oaten, M. K. Mahmut, and M. R. Yeomans. 2017. "The Immediate and Delayed Effects of TV: Impacts of Gender and Processed-Food Intake History". *Front. Psychol.* 8: 1616.
- Fraser, G. E. and D. J. Shavlik. 2001. "Ten years of life: is it a matter of choice?" *Arch. Intern. Med.* 161: 1645–1652.

- Frawley, J. K., L. E. Dyson, and J. Underwood. 2014. "Rewriting, Redesigning and Reimagining the Recipe for More Sustainable Food Systems". In: *Proceedings of the 26th Australian Computer-Human Interaction Conference on Designing Futures: The Future of Design, OzCHI '14*. ACM, New York, NY, USA. 366–369.
- Frost, W. and P. Strickland. 2016. "Gastronomy, Tourism and the Media. Channel View Publications".
- Fukuchi, K., K. Jo, A. Tomiyama, and S. Takao. 2012. "Laser cooking: a novel culinary technique for dry heating using a laser cutter and vision technology". In: *Proceedings of the ACM Multimedia 2012 Workshop on Multimedia for Cooking and Eating Activities*. ACM. 55–58.
- Fulkerson, J. A., D. Neumark-Sztainer, and M. Story. 2006. "Adolescent and parent views of family meals". *J. Am. Diet. Assoc.* 106: 526–532.
- GalOz, A., O. Weisberg, T. KerenCapelovitch, Y. Uziel, R. Slyper, P. L. (tamar). Weiss, and O. Zuckerman. 2014. "ExciteTray: Developing an Assistive Technology to Promote Selffeeding Among Young Children". In: *Proceedings of the 2014 Conference on Interaction Design and Children, IDC '14*. ACM, New York, NY, USA. 297–300.
- Gandhi, R., R. Veeraraghavan, K. Toyama, and V. Ramprasad. 2007. In: *International Conference on Information and Communication Technologies and Development*. Digital Green: Participatory video for agricultural extension. 1–10.
- Ganesh, S., P. Marshall, Y. Rogers, and K. O'Hara. 2014. "FoodWorks: tackling fussy eating by digitally augmenting children's meals". In: *Proceedings of the 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational*. ACM. 147–156.
- Ganglbauer, E., G. Fitzpatrick, and R. Comber. 2013. "Negotiating food waste: Using a practice lens to inform design". *ACM Transactions on Computer*.
- Ganglbauer, E., G. Fitzpatrick, and F. Güldenpfennig. 2015. "Why and What Did We Throw out?: Probing on Reflection Through the Food Waste Diary". In: *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems, CHI '15*. ACM, New York, NY, USA. 1105–1114.

- Gao, Y., N. Zhang, H. Wang, X. Ding, X. Ye, G. Chen, and Y. Cao. 2016. "iHear Food: Eating Detection Using Commodity Bluetooth Headsets". In: *IEEE First International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE)*. In. 163–172.
- Gaver, W., J. Bowers, A. Boucher, A. Law, S. Pennington, and N. Villar. 2006. "The history tablecloth: illuminating domestic activity". In: *Proceedings of the 6th conference on Designing Interactive systems*. ACM. 199–208.
- Gerber, B. S., M. R. Stolley, A. L. Thompson, L. K. Sharp, and M. L. Fitzgibbon. 2009. "Mobile phone text messaging to promote healthy behaviors and weight loss maintenance: a feasibility study". *Health Informatics J.* 15: 17–25.
- Giddens, A. 1991. "Modernity and Self-Identity: Self and Society in the Late Modern Age". Stanford University Press.
- Giddens, A. 2013. *Social Theory and Modern Sociology*. John Wiley & Sons.
- Gómez-Robledo, L., N. López-Ruiz, M. Melgosa, A. J. Palma, L. F. Capitán-Vallvey, and M. Sánchez-Marañón. 2013. "Using the mobile phone as Munsell soil-colour sensor: An experiment under controlled illumination conditions". *Comput. Electron. Agric.* 99: 200–208.
- Goyal, S., Q. Liu, K. Tajul-Arifin, W. Awan, B. Wadhwa, and Z. Liu. 2017. "I Ate This: A Photo-based Food Journaling System with Expert Feedback". arXiv [cs. HC].
- Graff, S. R. and E. Rodríguez-Alegría. 2012. *The Menial Art of Cooking: Archaeological Studies of Cooking and Food Preparation*. University Press of Colorado.
- Granic, I., A. Lobel, and R. C. M. E. Engels. 2014. "The benefits of playing video games". *Am. Psychol.* 69: 66–78.
- Green, J., A. Draper, and E. Dowler. 2003. "Short cuts to safety: Risk and "rules of thumb" in accounts of food choice". *Health Risk Soc.* 5: 33–52.

- Grevet, C., A. Tang, and E. Mynatt. 2012. "Eating Alone, Together: New Forms of Commensality". In: *Proceedings of the 17th ACM International Conference on Supporting Group Work, GROUP '12*. ACM, New York, NY, USA. 103–106.
- Grimes, A., M. Bednar, J. D. Bolter, and R. E. Grinter. 2008. "EatWell: Sharing Nutrition-related Memories in a Low-income Community". In: *Proceedings of the 2008 ACM Conference on Computer Supported Cooperative Work, CSCW '08*. ACM, New York, NY, USA. 87–96.
- Grimes, A., R. Harper. 2008. "Celebratory Technology: New Directions for Food Research in HCI". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '08*. ACM, New York, NY, USA. 467–476.
- Grimes, A., V. Kantroo, and R. E. Grinter. 2010. "Let's Play!: Mobile Health Games for Adults". In: *Proceedings of the 12th ACM International Conference on Ubiquitous Computing, UbiComp '10*. ACM, New York, NY, USA. 241–250.
- Grimes, A., D. Tan, and D. Morris. 2009. "Toward Technologies That Support Family Reflections on Health". In: *Proceedings of the ACM 2009 International Conference on Supporting Group Work, GROUP '09*. ACM, New York, NY, USA. 311–320.
- Gross, S., A. Toombs, J. Wain, and K. Walorski. 2011. "Foodmunity: designing community interactions over food". In: *CHI '11 Extended Abstracts on Human Factors in Computing Systems*. ACM. 1019–1024.
- Grunert, K. G. 2002. "Current issues in the understanding of consumer food choice". *Trends Food Sci. Technol.* 13: 275–285.
- Gustafsson, K. and B. Sidenvall. 2002. "Food-related health perceptions and food habits among older women". *J. Adv. Nurs.* 39: 164–173.
- Häkikilä, J. and A. Colley. 2016. "Towards a Design Space for Liquid User Interfaces". In: *Proceedings of the 9th Nordic Conference on Human-Computer Interaction, NordiCHI '16*. ACM, New York, NY, USA. 34:1–34:4.
- Halloran, A., J. Clement, N. Kornum, C. Bucatariu, and J. Magid. 2014. "Addressing food waste reduction in Denmark". *Food Policy.* 49: 294–301.

- Hamada, R., J. Okabe, I. Ide, S. 'ichi. Satoh, S. Sakai, and H. Tanaka. 2005. "Cooking Navi: Assistant for Daily Cooking in Kitchen". In: *Proceedings of the 13th Annual ACM International Conference on Multimedia, MULTIMEDIA '05*. ACM, New York, NY, USA. 371–374.
- Hamilton, C. A., G. Alici, and M. in het Panhuis. 2018. "3D printing Vegemite and Marmite: Redefining "breadboards."". *J. Food Eng.* 220: 83–88.
- Hamunen, K., M. Appelstrand, T. Hujala, M. Kurttila, N. Sriskandarah, L. Vilkriste, L. Westberg, and J. Tikkanen. 2015. "Defining Peer-to-peer Learning – from an Old "Art of Practice" to a New Mode of Forest Owner Extension?" *The Journal of Agricultural Education and Extension*. 21: 293–307.
- Haraway, D. 1988. "Situated Knowledges: The Science Question in Feminism and the Privilege of Partial Perspective". *Fem. Stud.* 14: 575–599.
- Harder, R., Y. Kalmykova, G. M. Morrison, F. Feng, M. Mangold, and L. Dahlén. 2014. "Quantification of Goods Purchases and Waste Generation at the Level of Individual Households: Quantifying Household Metabolism". *J. Ind. Ecol.* 18: 227–241.
- Harley, D., A. Verni, M. Willis, A. Ng, L. Bozzo, and A. Mazalek. 2018. "Sensory VR: Smelling, Touching, and Eating Virtual Reality". In: *Proceedings of the Twelfth International Conference on Tangible, Embedded, and Embodied Interaction, TEI '18*. ACM, New York, NY, USA. 386–397.
- Hartel, J. 2010. "Managing documents at home for serious leisure: a case study of the hobby of gourmet cooking". *Journal of Documentation*. 66: 847–874.
- Hashimoto, A., J. Harashima, Y. Yamakata, and S. Mori. 2016. *Design in Everyday Cooking: Challenges for Assisting with Menu Planning and Food Preparation*. In: *Cross-Cultural Design*. Springer International Publishing. 182–192.

- Hashimoto, Y., N. Nagaya, M. Kojima, S. Miyajima, J. Ohtaki, A. Yamamoto, T. Mitani, and M. Inami. 2006. "Straw-like User Interface: Virtual Experience of the Sensation of Drinking Using a Straw". In: *Proceedings of the 2006 ACM SIGCHI International Conference on Advances in Computer Entertainment Technology, ACE '06*. ACM, New York, NY, USA.
- Hassenzahl, M., K. Eckoldt, and S. Diefenbach. 2013. "Designing moments of meaning and pleasure. Experience design and happiness". *J. Des. Hist.*
- Hassenzahl, M. and H. Klapperich. 2014. "Convenient, Clean, and Efficient?: The Experiential Costs of Everyday Automation". In: *Proceedings of the 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational, NordiCHI '14*. ACM, New York, NY, USA. 21–30.
- Haushofer, J. and J. Shapiro. 2016. "The Short-term Impact of Unconditional Cash Transfers to the Poor: Experimental Evidence from Kenya". *Q. J. Econ.* 131: 1973–2042.
- Hayes-Conroy, J., A. Hite, K. Klein, C. Biltekoff, and A. H. Kimura. 2014. "Doing Nutrition Differently". *Gastronomica*. 14: 56–66.
- Healy, R. G. and J. S. Rosenberg. 2013. "Land use and the states".
- Heffernan, K. J., F. Vetere, and S. Chang. 2016. "You Put What, Where?: Hobbyist Use of Insertable Devices". In: *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, CHI '16*. ACM, New York, NY, USA. 1798–1809.
- Heitlinger, S., N. Bryan-Kinns, and R. Comber. 2018. "Connected Seeds and Sensors: Co-designing Internet of Things for Sustainable Smart Cities with Urban Food-growing Communities". In: *Proceedings of the 15th Participatory Design Conference: Short Papers, Situated Actions, Workshops and Tutorial - Volume 2*. New York, NY, USA. 18:1–18:5.
- Heitlinger, S., N. Bryan-Kinns, and J. Jefferies. 2013. "UbiComp for Grassroots Urban Food-growing Communities". In: *Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication, UbiComp '13 Adjunct*. ACM, New York, NY, USA. 589–594.

- Heitlinger, S., N. Bryan-Kinns, and J. Jefferies. 2014. "The Talking Plants: An Interactive System for Grassroots Urban Food-growing Communities". In: *CHI '14 Extended Abstracts on Human Factors in Computing Systems, CHI EA '14*. ACM, New York, NY, USA. 459–462.
- Herculano-Houzel, S. 2012. "The remarkable, yet not extraordinary, human brain as a scaled-up primate brain and its associated cost". *Proc. Natl. Acad. Sci. U. S. A.* 109: 10661–10668.
- Herman, C. P. 2015. "The social facilitation of eating. A review". *Appetite*. 86: 61–73.
- Herman, C. P. 2017. "The social facilitation of eating or the facilitation of social eating?" *J Eat Disord.* 5: 16.
- Herz, R. 2017. *Why You Eat What You Eat: The Science Behind Our Relationship with Food*, 1. Ed. by edition W. W. Norton & Company.
- Hingle, M. and H. Patrick. 2016. "There Are Thousands of Apps for That: Navigating Mobile Technology for Nutrition". *Education and Behavior. J. Nutr. Educ. Behav.* 48: 213–8. el.
- Hiniker, A., S. Y. Schoenebeck, and J. A. Kientz. 2016. "Not at the Dinner Table: Parents' and Children's Perspectives on Family Technology Rules". In: *Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing, CSCW '16*. ACM, New York, NY, USA. 1376–1389.
- Hirsch, T. 2014. "13 Beyond Gardening: A New Approach to HCI and Urban Agriculture". *Eat, Cook, Grow: Mixing Human-Computer Interactions with Human-Food Interactions* 227.
- Hirsch, T. 2014. "13 Beyond Gardening: A New Approach to HCI and Urban Agriculture". *Eat, Cook, Grow: Mixing Human-Computer Interactions with Human-Food Interactions* 227.
- Hirsch, T., C. Lim, and J. J. Otten. 2016. "What's for Lunch?: A Socio-ecological Approach to Childcare Nutrition". In: *Proceedings of the 2016 ACM Conference on Designing Interactive Systems, DIS '16*. ACM, New York, NY, USA. 1160–1171.
- Holtzman, J. D. 2006. "Food and Memory". *Annu. Rev. Anthropol.* 35: 361–378.

- Howland, M., J. M. Hunger, and T. Mann. 2012. "Friends don't let friends eat cookies: effects of restrictive eating norms on consumption among friends". *Appetite*. 59: 505–509.
- Hsu, A. and A. Blandford. 2014. "Designing for psychological change: individuals' reward and cost valuations in weight management". *J. Med. Internet Res.* 16: e138.
- Huang, E. 2018. "Here are the bizarre services you can get from China's trendiest hotpot restaurant". [WWW Document]. Quartz. <https://qz.com/1402429/haidilao-ipo-weird-services-at-chinas-trendy-hotpot-restaurant/> (accessed 10.5.18).
- Huang, Q., W. Wang, and Q. Zhang. 2017. "Your Glasses Know Your Diet: Dietary Monitoring Using Electromyography Sensors". *IEEE Internet of Things Journal*. 4: 705–712.
- Hudnall, A. B. 2017. "A Deeper Dive into the Cookbook Buyer: An Analysis of BookNet Canada Data and the Cookbook Industry".
- Huen, E. 2015. "How 3D Printing Will Change the Future of Fine Dining". *Forbes Magazine*.
- Hwang, M. L. and L. Mamykina. 2017. "Monster Appetite: Effects of Subversive Framing on Nutritional Choices in a Digital Game Environment". In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, CHI '17*. ACM, New York, NY, USA. 4082–4096.
- Hyland, L., A. Crabtree, J. Fischer, J. Colley, and C. Fuentes. 2018. "“What do you want for dinner?”—need anticipation and the design of proactive technologies for the home". *Comput. Support. Coop. Work*. 27: 917–946.
- Ibrahim, Y. 2015. "Food Porn and the Invitation to Gaze: Ephemeral Consumption and the Digital Spectacle". *Int. J. E-Polit.* 6: 1–12.
- Introna, L. D. 1996. "Notes on ateological information systems development". *Information Technology & People*.
- Iwata, H., H. Yano, T. Uemura, and T. Moriya. 2004. "Food simulator: a haptic interface for biting". In: *IEEE Virtual Reality 2004*. 51–57.

- Jacob, N. K. 2017. "IoT Powered Portable Aquaponics System". In: *Proceedings of the Second International Conference on Internet of Things, Data and Cloud Computing, ICC '17*. ACM, New York, NY, USA. 66:1–66:5.
- Jacobs Jr, D. R. and L. C. Tapsell. 2007. "Food, not nutrients, is the fundamental unit in nutrition". *Nutr. Rev.* 65: 439–450.
- Jain, M., P. Kumar, I. Bhansali, Q. V. Liao, K. Truong, and S. Patel. 2018. "FarmChat: A Conversational Agent to Answer Farmer Queries". *Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.* 2: 170:1–170:22.
- Jiang, H., W. Wang, X. Ni, H. Zhuang, S.-C. Yoon, and K. C. Lawrence. 2018. *Recent advancement in near infrared spectroscopy and hyperspectral imaging techniques for quality and safety assessment of agricultural and food products in the China Agricultural University*. NIR news 0960336018804755.
- Jones, C. 2014. "Young inventor's intelligent expiry label could save tonnes in waste". *The Guardian*.
- Jones Jr, J. B. 2016. *Hydroponics: a practical guide for the soilless grower*. CRC press.
- Ju, W., R. Hurwitz, T. Judd, and B. Lee. 2001. *CounterActive: An Interactive Cookbook for the Kitchen Counter*. In: *CHI '01 Extended Abstracts on Human Factors in Computing Systems, CHI EA '01*. ACM, New York, NY, USA. 269–270.
- Kadomura, A., K. Tsukada, and I. Siio. 2014. "EducaTableware: Sound Emitting Tableware for Encouraging Dietary Education". *Journal of Information Processing.* 22: 325–333.
- Kaipainen, K., C. R. Payne, and B. Wansink. 2012. "Mindless eating challenge: retention, weight outcomes, and barriers for changes in a public web-based healthy eating and weight loss program". *J. Med. Internet Res.* 14: e168.
- Kalantarian, H., N. Alshurafa, and M. Sarrafzadeh. 2017. "A Survey of Diet Monitoring Technology". *IEEE Pervasive Comput.* 16: 57–65.

- Kalnikaite, V., Y. Rogers, J. Bird, N. Villar, K. Bachour, S. Payne, P. Todd, J. Schöning, A. Krüger, and S. Kreitmayer. 2011. "How to nudge in Situ: designing lambent devices to deliver salient information in supermarkets". In: *Proceedings of the 13th international conference on Ubiquitous computing*. ACM. 11–20.
- Kanai, H. and K. Kitahara. 2011. "A Menu-planning Support System to Facilitate Communication Among Neighbors". In: *Proceedings of the ACM 2011 Conference on Computer Supported Cooperative Work, CSCW '11*. ACM, New York, NY, USA. 661–664.
- Karkar, R., J. Schroeder, D. A. Epstein, L. R. Pina, J. Scofield, J. Fogarty, J. A. Kientz, S. A. Munson, R. Vilardaga, and J. Zia. 2017. "Tummytrials: a feasibility study of using self-experimentation to detect individualized food triggers". In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*. ACM. 6850–6863.
- Kautiainen, S., L. Koivusilta, T. Lintonen, S. M. Virtanen, and A. Rimpelä. 2005. "Use of information and communication technology and prevalence of overweight and obesity among adolescents". *Int. J. Obes.* 29: 925–933.
- Keesman, M., H. Aarts, M. Häfner, and E. K. Papies. 2017. "Mindfulness Reduces Reactivity to Food Cues: Underlying Mechanisms and Applications in Daily Life". *Curr Addict Rep.* 4: 151–157.
- Kendrick, M. 2008. *The Great Cholesterol Con: The Truth About What Really Causes Heart Disease and How to Avoid It*. John Blake Publishing.
- Kerner, S., C. Chou, and M. Warmind. 2015. "Commensality: from everyday food to feast. Bloomsbury publishing".
- Khot, R. A. 2016. "Understanding Material Representations of Physical Activity (PhD). RMIT University".
- Khot, R. A., D. Aggarwal, R. Pennings, L. Hjorth, and F. Mueller. 2017a. "EdiPulse: Investigating a Playful Approach to Self-monitoring Through 3D Printed Chocolate Treats". In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, CHI '17*. ACM, New York, NY, USA. 6593–6607.

- Khot, R. A., E. Arza, H. Kurra, and Y. Wang. 2019. “FoBo: Towards Designing a Robotic Companion for Solo Dining”. In: *Proceedings of the Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)*. ACM, New York, NY, USA, LBW1617. 6 pages.
- Khot, R. A., J. Lee, D. Aggarwal, L. Hjorth, and F. Mueller. 2015a. “TastyBeats: Designing Palatable Representations of Physical Activity”. In: *Proceedings of the 33rd Annual ACM Conference on Human Factors in Computing Systems, CHI '15*. ACM, New York, NY, USA. 2933–2942.
- Khot, R. A., J. Lee, L. Hjorth, and F. Mueller. 2015b. “TastyBeats: Celebrating Heart Rate Data with a Drinkable Spectacle”. In: *Proceedings of the Ninth International Conference on Tangible, Embedded, and Embodied Interaction, TEI '15*. ACM, New York, NY, USA. 229–232.
- Khot, R. A., D. Lupton, M. Dolejšová, and F. Mueller. 2017b. “Future of Food in the Digital Realm”. In: *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '17*. ACM, New York, NY, USA. 1342–1345.
- Khot, R. A., R. Pennings, F. Mueller. 2015c. “EdiPulse: Supporting Physical Activity with Chocolate Printed Messages”. In: *Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '15*. ACM, New York, NY, USA. 1391–1396.
- Kim, S., T. Schap, M. Bosch, R. Maciejewski, E. J. Delp, D. S. Ebert, and C. J. Boushey. 2010. “Development of a Mobile User Interface for Image-based Dietary Assessment”. In: *Proceedings of the 9th International Conference on Mobile and Ubiquitous Multimedia, MUM '10*. ACM, New York, NY, USA. 13:1–13:7.
- Kirman, B., C. Linehan, S. Lawson, D. Foster, and M. Doughty. 2010. “There’s a Monster in My Kitchen: Using Aversive Feedback to Motivate Behaviour Change”. In: *CHI '10 Extended Abstracts on Human Factors in Computing Systems, CHI EA '10*. ACM, New York, NY, USA. 2685–2694.

- Kita, Y. and J. Rekimoto. 2013. "Thermal visualization on cooking". In: *2013 23rd International Conference on Artificial Reality and Telexistence (ICAT)*. IEEE Computer Society. 92–96.
- Kneafsey, M., R. Cox, L. Holloway, E. Dowler, L. Venn, and H. Tuomainen. 2008. *Reconnecting Consumers, Producers and Food: Exploring Alternatives*. Berg.
- Koch, S. L. 2019. *Gender and Food: A Critical Look at the Food System (Gender Lens)*. Rowman & Littlefield Publishers.
- Koizumi, N., H. Tanaka, Y. Uema, and M. Inami. 2011. "Chewing Jockey: Augmented Food Texture by Using Sound Based on the Cross-modal Effect". In: *Proceedings of the 8th International Conference on Advances in Computer Entertainment Technology, ACE '11*. ACM, New York, NY, USA. 21.
- Kononova, A., A. McAlister, and H. J. Oh. 2018. "Screen overload: Pleasant multitasking with screen devices leads to the choice of healthful over less healthful snacks when compared with unpleasant multitasking". *Comput. Human Behav.* 80: 1–11.
- Kranz, M., A. Schmidt, A. Maldonado, R. B. Rusu, M. Beetz, B. Hörnler, and G. Rigoll. 2007. "Context-aware Kitchen Utilities". In: *Proceedings of the 1st International Conference on Tangible and Embedded Interaction, TEI '07*. ACM, New York, NY, USA. 213–214.
- Krebs, P. and D. T. Duncan. 2015. "Health App Use Among US Mobile Phone Owners: A National Survey". *JMIR Mhealth Uhealth.* 3: e101.
- Kringelbach, M. L. 2015. "The pleasure of food: underlying brain mechanisms of eating and other pleasures". *Flavour.* 4: 20.
- Kristeller, J. L. and R. Q. Wolever. 2011. "Mindfulness-based eating awareness training for treating binge eating disorder: the conceptual foundation". *Eat. Disord.* 19: 49–61.
- Kummu, M., H. de Moel, M. Porkka, S. Siebert, O. Varis, and P. J. Ward. 2012. "Lost food, wasted resources: global food supply chain losses and their impacts on freshwater, cropland, and fertiliser use". *Sci. Total Environ.* 438: 477–489.

- Kuutti, K. and L. J. Bannon. 2014. "The Turn to Practice in HCI: Towards a Research Agenda". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '14*. ACM, New York, NY, USA. 3543–3552.
- Kuznetsov, S., C. J. Santana, and E. Long. 2016a. "Everyday Food Science As a Design Space for Community Literacy and Habitual Sustainable Practice". In: *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, CHI '16*. ACM, New York, NY, USA. 1786–1797.
- Kuznetsov, S., C. J. Santana, E. Long, R. Comber, and C. DiSalvo. 2016b. "The Art of Everyday Food Science: Foraging for Design Opportunities". In: *Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '16*. ACM, New York, NY, USA. 3516–3523.
- Lahad, K. and V. May. 2017. "Just One? Solo Dining, Gender and Temporal Belonging in Public Spaces". *Sociol. Res. Online*. 22: 1–11.
- Langheinrich, M., F. Mattern, and K. Römer. 2000. *First steps towards an event-based infrastructure for smart things*. Workshop (PACT 2000).
- Laursen, C. Ø., S. Pedersen, T. Merritt, and O. Caprani. 2015. "Robot-Supported Food Experiences". In: *Cultural Robotics. Presented at the International Workshop in Cultural Robotics*. Cham: Springer. 107–130.
- LeBel, J. L. and L. Dube. 2001. *The impact of sensory knowledge and attentional focus on pleasure and on behavioral responses to hedonic stimuli*. 13th annual. American Psychological Society.
- Lee, B., J. Hong, J. Surh, and D. Saakes. 2017. "Ori-mandu: Korean Dumpling into Whatever Shape You Want". In: *Proceedings of the 2017 Conference on Designing Interactive Systems, DIS '17*. ACM, New York, NY, USA. 929–941.
- Lee, K., H. S. Cho, K. S. Park, and M. Hahn. 2007. "Ambient Lamp Display in the Active Home Ubiquitous Computing Environment for Relaxing and Mediation". In *Future Generation Communication and Networking (FGCN 2007)*. IEEE. 2: 81–86.

- Lessel, P., M. Altmeyer, F. Kerber, M. Barz, C. Leidinger, and A. Krüger. 2016. "WaterCoaster: A Device to Encourage People in a Playful Fashion to Reach Their Daily Water Intake Level". In: *Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '16*. ACM, New York, NY, USA. 1813–1820.
- Levitsky, D. A. and C. Pacanowski. 2011. "Losing weight without dieting. Use of commercial foods as meal replacements for lunch produces an extended energy deficit". *Appetite*. 57: 311–317.
- Li, L., X. P. Fan, Y. Y. Zhou, N. Tang, Z. L. Zou, M. Z. Liu, and G. J. Huang. 2017a. "Research on technology of online gas chromatograph for SF6 decomposition products". *IOP Conf. Ser.: Mater. Sci. Eng.* 274: 012038.
- Li, Z., F. Brandmueller, F. 'floyd'. Mueller, and S. Greuter. 2017b. "Ingestible Games: Swallowing a Digital Sensor to Play a Game". In: *Extended Abstracts Publication of the Annual Symposium on Computer-Human Interaction in Play, CHI PLAY '17 Extended Abstracts*. ACM, New York, NY, USA. 511–518.
- Lim, V., M. Funk, L. Marcenaro, C. Regazzoni, and M. Rauterberg. 2017. "Designing for action: An evaluation of Social Recipes in reducing food waste". *Int. J. Hum. Comput. Stud.* 100: 18–32.
- Lim, V., M. Funk, M. Rauterberg, L. Marcenaro, and C. Regazzoni. 2015. "E-COmate: What's Your Non-consumption?" In: *Advances in Computational Intelligence*. Springer International Publishing. 486–499.
- Linley, P. A., H. Dovey, E. de Bruin, C. Transler, J. Wilkinson, J. Maltby, and R. Hurling. 2013. "Two simple, brief, naturalistic activities and their impact on positive affect: feeling grateful and eating ice cream". *Psychology of Well-Being: Theory, Research and Practice*. 3: 6.
- Liu, J., D. Byrne, and L. Devendorf. 2018a. "Design for Collaborative Survival: An Inquiry into Human-Fungi Relationships". In: *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems, CHI '18*. ACM, New York, NY, USA. 40:1–40:13.

- Liu, S. Y. (cyn)., J. Bardzell, and S. Bardzell. 2018b. “Photography As a Design Research Tool into Natureculture”. In: *Proceedings of the 2018 Designing Interactive Systems Conference, DIS '18*. ACM, New York, NY, USA. 777–789.
- Lo, J.-L., T.-Y. Lin, H.-H. Chu, H.-C. Chou, J.-H. Chen, J. Y.-J. Hsu, and P. Huang. 2007. “Playful Tray: Adopting Ubicomp and Persuasive Techniques into Play-based Occupational Therapy for Reducing Poor Eating Behavior in Young Children”. In: *Proceedings of the 9th International Conference on Ubiquitous Computing, UbiComp '07*. Berlin, Heidelberg: Springer-Verlag. 38–55.
- Long, L. M. 2004. *Culinary Tourism*. University Press of Kentucky.
- Lotto, B. 2017. “Deviate: The Science of Seeing Differently”. Hachette UK.
- Lupton, D. 1996. *Food, the Body and the Self*. London: Sage Publications.
- Lupton, D. 2000. “The heart of the meal: food preferences and habits among rural Australian couples”. *Sociol. Health Illn.* 22: 94–109.
- Lupton, D. 2018. ““I Just Want It to Be Done, Done, Done!” Food Tracking Apps, Affects, and Agential Capacities”. *Multimodal Technologies and Interaction*. 2: 29.
- Lupton, D. and B. Turner. 2016. ““Both Fascinating and Disturbing”: Consumer Responses to 3D Food Printing and Implications for Food Activism. Digital Food Activism”.
- Lyle, P., J. H.-J. Choi, and M. Foth. 2014. “Designing for Grassroots Food Production: An Event-based Urban Agriculture Community”. In: *Proceedings of the 26th Australian Computer-Human Interaction Conference on Designing Futures: The Future of Design, OzCHI '14*. ACM, New York, NY, USA. 362–365.
- Lyle, P., J. H.-J. Choi, and M. Foth. 2015a. “Growing Food in the City: Design Ideations for Urban Residential Gardeners”. In: *Proceedings of the 7th International Conference on Communities and Technologies, C&T '15*. ACM, New York, NY, USA. 89–97.
- Lyle, P., M. Foth, and J. H.-J. Choi. 2015b. “Design Patterns for Urban Gardening”. In: *Citizen’s Right to the Digital City: Urban Interfaces, Activism, and Placemaking*. Ed. by M. Foth, M. Brynskov, and T. Ojala. Springer Singapore, Singapore. 79–98.

- Macdiarmid, J. I. 2014. "Seasonality and dietary requirements: will eating seasonal food contribute to health and environmental sustainability?" *Proc. Nutr. Soc.* 73: 368–375.
- MacMillan, A. 2017. "Why Eating Alone May Be Bad for You. <http://time.com/4995466/eating-alone-metabolic-syndrome/>".
- Maitland, J., M. Chalmers, and K. A. Siek. 2009. "Persuasion not required Improving our understanding of the sociotechnical context of dietary behavioural change". In: *2009 3rd International Conference on Pervasive Computing Technologies for Healthcare*. 1–8.
- Mamykina, L., E. Mynatt, P. Davidson, and D. Greenblatt. 2008. "MAHI: investigation of social scaffolding for reflective thinking in diabetes management". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems*. ACM. 477–486.
- Matwick, K. and K. Matwick. 2015. "Inquiry in television cooking shows". *Discourse & Communication*. 9: 313–330.
- Maynes-Aminzade, D. 2005. "Edible bits: Seamless interfaces between people, data and food". In: *Conference on Human Factors in Computing Systems (CHI '05)-Extended Abstracts*. Citeseer. 2207–2210.
- Mazmanian, M. and S. Lanette. 2017. "Okay, One More Episode: An Ethnography of Parenting in the Digital Age". In: *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing*. ACM. 2273–2286.
- McAlpine, S. J., J. Harper, M. E. T. McMurdo, C. Bolton-Smith, and M. M. Hetherington. 2003. "Nutritional supplementation in older adults: pleasantness, preference and selection of sip-feeds". *Br. J. Health Psychol.* 8: 57–66.
- McIntosh, W. A. 1996. *Sociologies of Food and Nutrition*. Springer Science & Business Media.
- Meah, A. 2014. "Still blaming the consumer? Geographies of responsibility in domestic food safety practices". *Crit. Public Health*. 24: 88–103.

- Medhi-Thies, I., P. Ferreira, N. Gupta, J. O'Neill, and E. Cutrell. 2015. "KrishiPustak: A Social Networking System for Low-Literate Farmers". In: *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing, CSCW '15*. ACM, New York, NY, USA. 1670–1681.
- Mehta, Y., R. A. Khot, R. Patibanda, and F. Mueller. 2018. "Arm-A-Dine: Towards Understanding the Design of Playful Embodied Eating Experiences". In: *Publication of the Annual Symposium on Computer-Human Interaction in Play*. ACM.
- Melanson, E., M. Farooq, and E. Sazonov. 2017. "Assessment of Ingestion by Chewing and Swallowing Sensors". In: *Advances in the Assessment of Dietary Intake*. CRC Press. 129–148.
- Mennicken, S., J. Vermeulen, and E. M. Huang. 2014. "From Today's Augmented Houses to Tomorrow's Smart Homes: New Directions for Home Automation Research". In: *Proceedings of the 2014 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp '14*. ACM, New York, NY, USA. 105–115.
- Miller, D. 2010. Stuff. Polity.
- Mintz, S. W. and C. M. Du Bois. 2002. "The Anthropology of Food and Eating". *Annu. Rev. Anthropol.* 31: 99–119.
- Mitchell, R., A. Papadimitriou, Y. You, and L. Boer. 2015. "Really eating together: a kinetic table to synchronise social dining experiences". In: *Proceedings of the 6th Augmented Human International Conference*. ACM. 173–174.
- Mizrahi, M., A. Golan, A. B. Mizrahi, R. Gruber, A. Z. Lachnise, and A. Zoran. 2016. "Digital Gastronomy: Methods & Recipes for Hybrid Cooking". In: *Proceedings of the 29th Annual Symposium on User Interface Software and Technology, UIST '16*. ACM, New York, NY, USA. 541–552.
- Morgan, N. and A. Pritchard. 2005. "On souvenirs and metonymy: Narratives of memory, metaphor and materiality". *Tourist Studies.* 5: 29–53.
- Moughan, P. J. 2018. "Holistic properties of foods: a changing paradigm in human nutrition". *J. Sci. Food Agric.*

- Mourad, M. 2016. "Recycling, recovering and preventing "food waste": competing solutions for food systems sustainability in the United States and France". *J. Clean. Prod.* 126: 461–477.
- Mozaffarian, D. 2016. "Dietary and Policy Priorities for Cardiovascular Disease, Diabetes, and Obesity: A". *Comprehensive Review. Circulation.* 133: 187–225.
- Mueller, F., R. Byrne, J. Andres, and R. Patibanda. 2018a. "Experiencing the Body as Play". In: *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*. ACM. 210.
- Mueller, F., T. Kari, R. Khot, Z. Li, Y. Wang, Y. Mehta, and P. Arnold. 2018b. "Towards Experiencing Eating As a Form of Play". In: *Proceedings of the 2018 Annual Symposium on Computer-Human Interaction in Play Companion Extended Abstracts, CHI PLAY '18 Extended Abstracts*. ACM, New York, NY, USA. 559–567.
- Mueller, F., S. Stellmach, S. Greenberg, A. Dippon, S. Boll, J. Garner, R. Khot, A. Naseem, and D. Altimira. 2014. "Proxemics Play: Understanding Proxemics for Designing Digital Play Experiences". In: *Proceedings of the 2014 Conference on Designing Interactive Systems, DIS '14*. ACM, New York, NY, USA. 533–542.
- Muir, R. 2014. "Why Heston Blumenthal's Fat Duck Melbourne is worth the hoopla". *The Guardian*.
- Mu'Min Chowdhury, A., C. Helman, and T. Greenhalgh. 2000. "Food beliefs and practices among British Bangladeshis with diabetes: Implications for health education". *Anthropol. Med.* 7: 209–226.
- Murer, M., I. Aslan, and M. Tscheligi. 2013. "LOLL io: exploring taste as playful modality". In: *Proceedings of the 7th International Conference on Tangible, Embedded and Embodied Interaction*. ACM. 299–302.
- Murray, S. 2007. "The World's Biggest Industry". *Forbes Magazine*.
- Murugan, D., A. Garg, and D. Singh. 2017. "Development of an Adaptive Approach for Precision Agriculture Monitoring with Drone and Satellite Data". *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing.* 10: 5322–5328.

- Nabil, S., A. Everitt, M. Sturdee, J. Alexander, S. Bowen, P. Wright, and D. Kirk. 2018. "ActuEating: Designing, Studying and Exploring Actuating Decorative Artefacts". In: *Proceedings of the 2018 Designing Interactive Systems Conference, DIS '18*. ACM, New York, NY, USA. 327–339.
- Nakasone, E., M. Torero, and B. Minten. 2014. "The Power of Information: The ICT Revolution in Agricultural Development". *Annu. Rev. Resour. Econ.* 6: 533–550.
- Nakata, R. and N. Kawai. 2017. "The "social" facilitation of eating without the presence of others: Self-reflection on eating makes food taste better and people eat more". *Physiol. Behav.* 179: 23–29.
- Nansen, B., H. Davis, F. Vetere, M. Skov, J. Paay, and J. Kjeldskov. 2014. "Kitchen Kinesics: Situating Gestural Interaction Within the Social Contexts of Family Cooking". In: *Proceedings of the 26th Australian Computer-Human Interaction Conference on Designing Futures: The Future of Design, OzCHI '14*. ACM, New York, NY, USA. 149–158.
- Naotunna, I., C. J. Perera, C. Sandaruwan, R. A. R. C. Gopura, and T. D. Lalitharatne. 2015. "Meal assistance robots: A review on current status, challenges and future directions". In: *2015 IEEE/SICE International Symposium on System Integration (SII)*. 211–216.
- Narumi, T., Y. Ban, T. Kajinami, T. Tanikawa, and M. Hirose. 2012. "Augmented Perception of Satiety: Controlling Food Consumption by Changing Apparent Size of Food with Augmented Reality". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '12*. ACM, New York, NY, USA. 109–118.
- Narumi, T., S. Nishizaka, T. Kajinami, T. Tanikawa, and M. Hirose. 2011. "Meta Cookie+: An Illusion-Based Gustatory Display". In: *Virtual and Mixed Reality - New Trends*. Springer Berlin Heidelberg. 260–269.
- Nawahdah, M. and T. Inoue. 2013. "Virtually Dining Together in Time-shifted Environment: KIZUNA Design". In: *Proceedings of the 2013 Conference on Computer Supported Cooperative Work, CSCW '13*. ACM, New York, NY, USA. 779–788.

- Nea, F. M., L. K. Pourshahidi, J. M. Kearney, M. B. E. Livingstone, C. Bassul, and C. A. Corish. 2018. "A qualitative exploration of the shift work experience: the perceived effect on eating habits, lifestyle behaviours and psychosocial wellbeing". *J. Public Health*.
- Neumann, A., C. Elbrechter, N. Pfeiffer-Leßmann, R. Kõiva, B. Carlmeyer, S. Rüter, M. Schade, A. Ückermann, S. Wachsmuth, and H. J. Ritter. 2017. "'KogniChef': A Cognitive Cooking Assistant". *KI - Künstliche Intelligenz*. 31: 273–281.
- Nicolini, D. 2012. *Practice Theory, Work, and Organization: An Introduction*. OUP Oxford.
- Nijima, A. and T. Ogawa. 2016. "Study on Control Method of Virtual Food Texture by Electrical Muscle Stimulation". In: *Proceedings of the 29th Annual Symposium on User Interface Software and Technology, UIST '16 Adjunct*. ACM, New York, NY, USA. 199–200.
- Niva, M., M. Jauho, and J. Mäkelä. 2013. "'If I drink it anyway, then I rather take the light one'. Appropriation of foods and drinks designed for weight management among middle-aged and elderly Finns". *Appetite*. 64: 12–19.
- Norton, J., S. Nayebaziz, S. Burke, B. J. Pan, and B. Tomlinson. 2014. "Plant Guild Composer: An Interactive Online System to Support Back Yard Food Production". In: *CHI '14 Extended Abstracts on Human Factors in Computing Systems, CHI EA '14*. ACM, New York, NY, USA. 523–526.
- Norton, J., A. Raturi, B. Nardi, S. Prost, S. McDonald, D. Pargman, O. Bates, M. Normark, B. Tomlinson, N. Herbig, and L. Dombrowski. 2017. "A grand challenge for HCI: food + sustainability". *Interactions*. 24: 50–55.
- Oakes, M. E. and C. S. Slotterback. 2005. "Too good to be true: dose insensitivity and stereotypical thinking of foods' capacity to promote weight gain". *Food Qual. Prefer.* 16: 675–681.

- Obrist, M., R. Comber, S. Subramanian, B. Piqueras-Fiszman, C. Velasco, and C. Spence. 2014. "Temporal, affective and embodied characteristics of taste experiences: a framework for design". In: *Proceedings of the 32nd Annual ACM Conference on Human Factors in Computing Systems*. ACM. 2853–2862.
- Ochs, E. and M. Shohet. 2006. "The cultural structuring of mealtime socialization". *New Dir. Child Adolesc. Dev.* 35–49.
- Odom, W. 2010. "Mate, we don't need a chip to tell us the soil's dry: opportunities for designing interactive systems to support urban food production". In: *Proceedings of the 8th ACM Conference on Designing Interactive Systems*. ACM. 232–235.
- Ogawa, K., Y. Hori, T. Takeuchi, T. Narumi, T. Tanikawa, and M. Hirose. 2012. "November. Table talk enhancer: a tabletop system for enhancing and balancing mealtime conversations using utterance rates". In: *Proceedings of the ACM multimedia 2012 workshop on Multimedia for cooking and eating activities*. ACM. 25–30.
- O'Hara, K., J. Helmes, A. Sellen, R. Harper, M. ten Bhömer, and E. van den Hoven. 2012. "Food for Talk: Phototalk in the Context of Sharing a Meal". *Human-Computer Interaction*. 27: 124–150.
- O'Hara, S. U. and S. Stagl. 2001. "Global Food Markets and Their Local Alternatives: A Socio-Ecological Economic Perspective". *Popul. Environ.* 22: 533–554.
- Okajima, K. and C. Spence. 2011. "Effects of Visual Food Texture on Taste Perception". *Iperception*. 2: 966–966.
- O'Kane, G. and B. Pamphilon. 2016. "The importance of stories in understanding people's relationship to food: narrative inquiry methodology has much to offer the public health nutrition researcher and practitioner". *Public Health Nutr.* 19: 585–592.
- Oldham-Cooper, R. E., C. A. Hardman, C. E. Nicoll, P. J. Rogers, and J. M. Brunstrom. 2011. "Playing a computer game during lunch affects fullness, memory for lunch, and later snack intake". *Am. J. Clin. Nutr.* 93: 308–313.

- Olivier, P., G. Xu, A. Monk, and J. Hoey. 2009. "Ambient kitchen: designing situated services using a high fidelity prototyping environment". In: *Proceedings of the 2nd International Conference on Pervasive Technologies Related to Assistive Environments*. ACM. 47.
- Oogjes, D., M. Bruns, and R. Wakkary. 2016. "Lyssna: a design fiction to reframe food waste". In: *Proceedings of the 2016 ACM Conference Companion Publication on Designing Interactive Systems*. ACM. 109–112.
- Opoku-Agyemang, K., B. Shah, and T. S. Parikh. 2017. "Scaling Up Peer Education with Farmers in India". In: *Proceedings of the Ninth International Conference on Information and Communication Technologies and Development, ICTD '17*. ACM, New York, NY, USA. 15:1–15:10.
- Orji, R., J. Vassileva, and R. L. Mandryk. 2013. "LunchTime: A Slow-casual Game for Long-term Dietary Behavior Change". *Pers. Ubiquit. Comput.* 17: 1211–1221.
- Ots, T. 1994. "The silenced body—the expressive Leib: on the dialectic of mind and life in Chinese cathartic healing. Embodiment and experience: The existential ground of culture and self 116".
- Paay, J., J. Kjeldskov, and M. B. Skov. 2015. "Connecting in the Kitchen: An Empirical Study of Physical Interactions While Cooking Together at Home". In: *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing, CSCW '15*. ACM, New York, NY, USA. 276–287.
- Paay, J., J. Kjeldskov, M. B. Skov, and K. O'Hara. 2012. "Cooking Together: A Digital Ethnography". In: *CHI '12 Extended Abstracts on Human Factors in Computing Systems, CHI EA '12*. ACM, New York, NY, USA. 1883–1888.
- Paay, J., J. Kjeldskov, M. B. Skov, and K. O'Hara. 2013. "F-Formations in Cooking Together: A Digital Ethnography Using YouTube". In: *Human-Computer Interaction – INTERACT 2013*. Springer Berlin Heidelberg. 37–54.

- Paddock, J. 2017. "Household consumption and environmental change: Rethinking the policy problem through narratives of food practice". *Journal of Consumer Culture*. 17: 122–139.
- Panger, G. 2012. "Kinect in the Kitchen: Testing Depth Camera Interactions in Practical Home Environments". In: *CHI '12 Extended Abstracts on Human Factors in Computing Systems, CHI EA '12*. ACM, New York, NY, USA. 1985–1990.
- Parfitt, J., M. Barthel, and S. Macnaughton. 2010. "Food waste within food supply chains: quantification and potential for change to 2050". *Philos. Trans. R. Soc. Lond. B Biol. Sci.* 365: 3065–3081.
- Parizeau, K., M. von Massow, and R. Martin. 2015. "Household-level dynamics of food waste production and related beliefs, attitudes, and behaviours in Guelph, Ontario". *Waste Manag.* 35: 207–217.
- Parker, A., V. Kantroo, H. R. Lee, M. Osornio, M. Sharma, and R. Grinter. 2012. "Health Promotion As Activism: Building Community Capacity to Effect Social Change". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '12*. ACM, New York, NY, USA. 99–108.
- Parrett, D. E. 2016. *Family Dinner Across Generations: My How Times Have Changed?* University of Kentucky.
- Patel, N., D. Chittamuru, A. Jain, P. Dave, and T. S. Parikh. 2010. "Avaaj Otalo: A Field Study of an Interactive Voice Forum for Small Farmers in Rural India". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '10*. ACM, New York, NY, USA. 733–742.
- Payne, C. L. R. and D. Dobermann. 2016. "Insects as food and feed: European perspectives on recent research and future priorities". *Journal of insects*.
- Pettigrew, S., S. Moore, I. S. Pratt, and M. Jongenelis. 2016. "Evaluation outcomes of a long-running adult nutrition education programme". *Public Health Nutr.* 19: 743–752.
- Petrelli, D. and S. Whittaker. 2010. "Family memories in the home: contrasting physical and digital memento". *Personal and Ubiquitous Computing*. 14(2): 153–169.

- Pierce, J., Y. Strengers, P. Sengers, and S. Bødker. 2013. "Introduction to the Special Issue on Practice-oriented Approaches to Sustainable HCI". *ACM Trans. Comput. -Hum. Interact.* 20: 20:1–20:8.
- Pillsbury, R. 1990. *From Boarding House to Bistro: The American Restaurant Then and Now*. Unwin Hyman.
- Plessz, M. and F. Étilé. 2017. "Is cooking still a part of our eating practices? Analysing the decline of a practice with time-use surveys". *Cultural Sociology* 1749975518791431.
- Pollan, M. 2014. "Cooked: a natural history of transformation". Penguin.
- Polotti, P., S. Delle Monache, S. Papetti, and D. Rocchesso. 2008. "April. Gamelunch: forging a dining experience through sound". In: *CHI'08 Extended Abstracts on Human Factors in Computing Systems*. ACM. 2281–2286.
- Pongnunkul, S., P. Chaovalit, and N. Surasvadi. 2015. "Applications of Smartphone-Based Sensors in Agriculture: A Systematic Review of Research". *Journal of Sensors* 2015.
- Prasad, S., S. K. Peddoju, and D. Ghosh. 2014. "Energy efficient mobile vision system for plant leaf disease identification". In: *2014 IEEE Wireless Communications and Networking Conference (WCNC)*. ieeexplore.ieee.org. 3314–3319.
- Prost, S., C. Crivellaro, A. Haddon, and R. Comber. 2018. "Food Democracy in the Making: Designing with Local Food Networks". In: *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems, CHI '18*. ACM, New York, NY, USA. 333:1–333:14.
- Quested, T. and P. Luzecka. 2014. *Household food and drink waste: A people focus*. WRAP, Banbury: Oxon 131.
- Quoidbach, J., A. M. Wood, and M. Hansenne. 2009. "Back to the future: the effect of daily practice of mental time travel into the future on happiness and anxiety". *J. Posit. Psychol.* 4: 349–355.

- Raffe, W. L., M. Tamassia, F. Zambetta, X. Li, S. J. Pell, and F. Mueller. 2015. ““floyd,”. Player-Computer Interaction Features for Designing Digital Play Experiences Across Six Degrees of Water Contact”. In: *Proceedings of the 2015 Annual Symposium on Computer-Human Interaction in Play, CHI PLAY '15*. ACM, New York, NY, USA. 295–305.
- Raghavan, B., B. Nardi, S. T. Lovell, J. Norton, B. Tomlinson, and D. J. Patterson. 2016. “Computational Agroecology: Sustainable Food Ecosystem Design”. In: *Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '16*. ACM, New York, NY, USA. 423–435.
- Ranasinghe, N. and E. Y.-L. Do. 2016. “Digital Lollipop: Studying Electrical Stimulation on the Human Tongue to Simulate Taste Sensations”. *ACM Trans. Multimedia Comput. Commun. Appl.* 13: 5:1–5:22.
- Ranasinghe, N., P. Jain, S. Karwita, and E. Y. L. Do. 2017a. “Virtual Lemonade: Let’s Teleport Your Lemonade!” In: *Proceedings of the Eleventh International Conference on Tangible, Embedded, and Embodied Interaction, TEI '17*. ACM, New York, NY, USA. 183–190.
- Ranasinghe, N., K. Karunanayaka, A. D. Cheok, O. N. N. Fernando, H. Nii, and P. Gopalakrishnakone. 2011. “Digital taste and smell communication”. In: *Proceedings of the 6th International Conference on Body Area Networks*. ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering. 78–84.
- Ranasinghe, N., K.-Y. Lee, and E. Y.-L. Do. 2013. “FunRasa: An Interactive Drinking Platform”. In: *Proceedings of the 8th International Conference on Tangible, Embedded and Embodied Interaction, TEI '14*. ACM, New York, NY, USA. 133–136.
- Ranasinghe, N., T. N. T. Nguyen, Y. Liangkun, L.-Y. Lin, D. Tolley, and E. Y.-L. Do. 2017b. “Vocktail: A Virtual Cocktail for Pairing Digital Taste, Smell, and Color Sensations”. In: *Proceedings of the 2017 ACM on Multimedia Conference, MM '17*. ACM, New York, NY, USA. 1139–1147.

- Ranasinghe, N., G. Suthokumar, K.-Y. Lee, and E. Y.-L. Do. 2015. "Digital Flavor: Towards Digitally Simulating Virtual Flavors". In: *Proceedings of the 2015 ACM on International Conference on Multimodal Interaction*. ACM. 139–146.
- Rapp, A., A. Marino, R. Simeoni, and F. Cena. 2017. "An ethnographic study of packaging-free purchasing: designing an interactive system to support sustainable social practices". *Behav. Inf. Technol.* 36: 1193–1217.
- Raturi, A., J. Norton, B. Tomlinson, E. Bleviss, and L. Dombrowski. 2017. "Designing Sustainable Food Systems". In: *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '17*. ACM, New York, NY, USA. 609–616.
- Reckwitz, A. 2002. "Toward a Theory of Social Practices: A Development in Culturalist Theorizing". *European Journal of Social Theory*. 5: 243–263.
- Reid Chassiakos, Y. L., J. Radesky, D. Christakis, M. A. Moreno, and C. Cross. 2016. "COUNCIL ON COMMUNICATIONS AND MEDIA. Children and Adolescents and Digital Media. Pediatrics 138".
- Reid, N., G. N. Healy, R. M. Daly, P. Baker, E. G. Eakin, D. W. Dunstan, N. Owen, and P. A. Gardiner. 2017. "Twelve-Year Television Viewing Time Trajectories and Physical Function in Older Adults". *Med. Sci. Sports Exerc.* 49: 1359–1365.
- Reiheld, A. N. C. 2013. "Gender Norms and Food Behavior". In: *Encyclopedia of Food and Agricultural Ethics*. Ed. by P. B. Thompson and D. M. Kaplan. Netherlands, Dordrecht: Springer. 1–8.
- Rekhy, R. and R. McConchie. 2014. "Promoting consumption of fruit and vegetables for better health. Have campaigns delivered on the goals?" *Appetite*. 79: 113–123.
- Resner, B. 2001. "Rover@ Home: Computer mediated remote interaction between humans and dogs (Doctoral dissertation, Massachusetts Institute of Technology)".

- Ristovski-Slijepcevic, S., G. E. Chapman, and B. L. Beagan. 2008. "Engaging with healthy eating discourse(s): ways of knowing about food and health in three ethnocultural groups in Canada". *Appetite*. 50: 167–178.
- Rivera, X. C. S., N. E. Orias, and A. Azapagic. 2014. "Life cycle environmental impacts of convenience food: Comparison of ready and home-made meals". *Journal of cleaner production*. 73: 294–309.
- Robinson, E., E. Almiron-Roig, F. Rutters, C. de Graaf, C. G. Forde, C. Tudur Smith, S. J. Nolan, and S. A. Jebb. 2014. "A systematic review and meta-analysis examining the effect of eating rate on energy intake and hunger". *Am. J. Clin. Nutr.* 100: 123–151.
- Robinson, E., S. Higgs, A. J. Daley, K. Jolly, D. Lycett, A. Lewis, and P. Aveyard. 2013. "Development and feasibility testing of a smart phone based attentive eating intervention". *BMC Public Health*. 13: 639.
- Rogers, P. J., D. Ferriday, S. A. Jebb, and J. M. Brunstrom. 2016. "Connecting biology with psychology to make sense of appetite control". *Nutr. Bull.* 41: 344–352.
- Rouillard, J. 2012. "The Pervasive Fridge. A smart computer system against uneaten food loss". In: *Seventh International Conference on Systems (ICONS2012)*. hal.archives-ouvertes.fr. 135.
- Rozin, P. 1996. "The socio-cultural context of eating and food choice". In: *Food Choice, Acceptance and Consumption*. Boston, MA: Springer. 83–104.
- Rozin, P., R. Bauer, and D. Catanese. 2003. "Food and life, pleasure and worry, among American college students: gender differences and regional similarities". *J. Pers. Soc. Psychol.* 85: 132–141.
- Rozin, P., S. Scott, M. Dingley, J. K. Urbanek, H. Jiang, and M. Kaltenbach. 2011. "Nudge to nobesity I: Minor changes in accessibility decrease food intake". *Judgm. Decis. Mak.* 6: 323.
- Sahakian, M. and H. Wilhite. 2014. "Making practice theory practicable: Towards more sustainable forms of consumption". *Journal of Consumer Culture*. 14: 25–44.
- Salen, K., K. S. Tekinbaş, and E. Zimmerman. 2004. *Rules of Play: Game Design Fundamentals*. MIT Press.

- Salvy, S.-J., L. R. Vartanian, J. S. Coelho, D. Jarrin, and P. P. Pliner. 2008. "The role of familiarity on modeling of eating and food consumption in children". *Appetite*. 50: 514–518.
- Sarasohn-Kahn, J. 2016. "We Are All Foodies Now". Huffington Post.
- Sato, A., K. Watanabe, and J. Rekimoto. 2013. "MimiCook: A Cooking Assistant System with Situated Guidance". In: *Proceedings of the 8th International Conference on Tangible, Embedded and Embodied Interaction, TEI '14*. ACM, New York, NY, USA. 121–124.
- Sato, A., K. Watanabe, and J. Rekimoto. 2014. "Shadow Cooking: Situated Guidance for a Fluid Cooking Experience". In: *Universal Access in Human-Computer Interaction. Aging and Assistive Environments*. Springer International Publishing. 558–566.
- Schanes, K., K. Dobernig, and B. Gözet. 2018. "Food waste matters - A systematic review of household food waste practices and their policy implications". *J. Clean. Prod.* 182: 978–991.
- Scheible, J., A. Engeln, M. Burmester, G. Zimmermann, T. Keber, U. Schulz, S. Palm, M. Funk, and U. Schaumann. 2016. "SMARTKITCHEN Media Enhanced Cooking Environment". In: *Proceedings of the 6th International Conference on the Internet of Things, IoT '16*. ACM, New York, NY, USA. 169–170.
- Schmidt, K. and E. Matthies. 2018. "Where to start fighting the food waste problem? Identifying most promising entry points for intervention programs to reduce household food waste and overconsumption of food". *Resour. Conserv. Recycl.* 139: 1–14.
- Schneider, F. 2008. Wasting Food – An Insistent Behaviour. Paper presented at the Proceedings of Waste - The Social Context, International Conference, Edmonton, Alberta. Canada.
- Schneider, M. 2007. "The semantic cookbook: sharing cooking experiences in the smart kitchen". In: *3rd IET International Conference on Intelligent Environments*. 416–423.
- Schneider, T. 2018. "Food and Health". In: *The Blackwell Encyclopedia of Sociology*. (2nd Edition).
- Schneiderman, D. 2010. "The Prefabricated Kitchen: Substance and Surface". *Home Cultures*. 7: 243–262.

- Schon, D. A. 1984. *The Reflective Practitioner: How Professionals Think In Action*. Basic Books.
- Schoning, J., Y. Rogers, and A. Kruger. 2012. “Digitally Enhanced Food”. *IEEE Pervasive Comput.* 11: 4–6.
- Schwab, K. 2016. “The Fourth Industrial Revolution: what it means and how to respond. World Economic Forum”.
- Scrinis, G. 2013. “Nutritionism: The Science and Politics of Dietary Advice”. Columbia University Press.
- Shaer, O., O. Nov, L. Westendorf, and M. Ball. 2017. “Communicating Personal Genomic Information to Non-experts: A New Frontier for Human-Computer Interaction”. In: *Foundations and Trends® in Human-Computer Interaction 11*. 1–62.
- Shi, J., G. Jimmerson, T. Pearson, and R. Menassa. 2012. “Levels of Human and Robot Collaboration for Automotive Manufacturing”. In: *Proceedings of the Workshop on Performance Metrics for Intelligent Systems, PerMIS '12*. ACM, New York, NY, USA. 95–100.
- Short, F. 2006. *Kitchen Secrets: The Meaning of Cooking in Everyday Life*. Berg.
- Shove, E., M. Pantzar, and M. Watson. 2012. *The Dynamics of Social Practice: Everyday Life and how it Changes*. SAGE.
- Siek, K. A., K. H. Connelly, Y. Rogers, P. Rohwer, D. Lambert, and J. L. Welch. 2006. “When Do We Eat? An Evaluation of Food Items Input into an Electronic Food Monitoring Application”. In: *2006 Pervasive Health Conference and Workshops*. ieeexplore.ieee.org. 1–10.
- Simmons, D. and G. E. Chapman. 2012. “The significance of home cooking within families”. *British Food Journal*. 114: 1184–1195.
- Simon, M., E. Niiler, R. Allain, E. Airhart, E. Shogren, S. Neilson, and S. Chen. 2014. “Fantastically Wrong: The Strange History of Using Organ-Shaped Plants to Treat Disease. Wired”.
- Smith, N., S. Bardzell, and J. Bardzell. 2017. “Designing for Cohabitation: Naturecultures, Hybrids, and Decentering the Human in Design”. In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, CHI '17*. ACM, New York, NY, USA. 1714–1725.

- Snir, A., D. Nadel, I. Groman-Yaroslavski, Y. Melamed, M. Sternberg, O. Bar-Yosef, and E. Weiss. 2015. "The Origin of Cultivation". *and Proto-Weeds, Long Before Neolithic Farming. PLoS One*. 10: 0131422.
- Sobal, J. and M. K. Nelson. 2003. "Commensal eating patterns: a community study". *Appetite*. 41: 181–190.
- Somers, J., A. Worsley, and S. A. McNaughton. 2014. "The association of mavenism and pleasure with food involvement in older adults". *Int. J. Behav. Nutr. Phys. Act.* 11: 60.
- Song, H. and N. Schwarz. 2009. "If It's Difficult to Pronounce, It Must Be Risky: Fluency, Familiarity, and Risk Perception". *Psychol. Sci.* 20: 135–138.
- Southerton, D. 2013. "Habits routines and temporalities of consumption: From individual behaviours to the reproduction of everyday practices". *Time & Society*. 22: 335–355.
- Spence, C. 2015. "Eating with our ears: assessing the importance of the sounds of consumption on our perception and enjoyment of multisensory flavour experiences". *Flavour*. 4: 3.
- Spence, C. 2016. *Multisensory flavour perception*. John Wiley & Sons, Ltd. 373–394.
- Spence, C. 2017. "Gastrophysics: The New Science of Eating. Viking".
- Spence, C., K. Okajima, A. D. Cheok, O. Petit, and C. Michel. 2016. "Eating with our eyes: From visual hunger to digital satiation". *Brain Cogn.* 110: 53–63.
- Spence, C. and B. Piqueras-Fiszman. 2014. *The Perfect Meal: The Multisensory Science of Food and Dining*. John Wiley & Sons.
- Steup, R., A. Santhanam, M. Logan, L. Dombrowski, and N. M. Su. 2018. "Growing Tiny Publics: Small Farmers". *Social Movement Strategies. Proc. ACM Hum. -Comput. Interact.* 2: 165:1–165:24.
- Stickel, O. and T. Ludwig. 2014. "Computer Supported Urban Gardening". In: *Proceedings of the 2014 Companion Publication on Designing Interactive Systems, DIS Companion '14*. ACM, New York, NY, USA. 77–80.

- Suen, R. C. L., K. T. T. Chang, M. P.-H. Wan, Y. C. Ng, and B. C. Y. Tan. 2014. "Interactive Experiences Designed for Agricultural Communities". In: *CHI '14 Extended Abstracts on Human Factors in Computing Systems, CHI EA '14*. ACM, New York, NY, USA. 551–554.
- Sunriddetchkajorn, S. 2013. "Mobile device-based optical instruments for agriculture. In: Sensing Technologies for Biomaterial, Food, and Agriculture 2013. Presented at the Sensing Technologies for Biomaterial, Food, and Agriculture 2013". *International Society for Optics and Photonics*: 88810.
- Sun, J., Z. Peng, W. Zhou, J. Y. H. Fuh, G. S. Hong, and A. Chiu. 2015. "A Review on 3D Printing for Customized Food Fabrication". *Procedia Manufacturing*. 1: 308–319.
- Svenfelt, Å. and A. Carlsson-Kanyama. 2010. "Farmers' markets – linking food consumption and the ecology of food production?" *Local Environ.* 15: 453–465.
- Symons, M. 1994. "Simmel's gastronomic sociology: An overlooked essay". *Food and Foodways*. 5: 333–351.
- Takeuchi, Y. 2016. "Printable Hydroponic Gardens: Initial Explorations and Considerations". In: *Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '16*. ACM, New York, NY, USA. 449–458.
- Tapper, K. 2018. "Mindfulness and craving: effects and mechanisms". *Clin. Psychol. Rev.* 59: 101–117.
- Terrenghi, L., O. Hilliges, and A. Butz. 2007. "Kitchen stories: sharing recipes with the Living Cookbook". *Pers. Ubiquit. Comput.* 11: 409–414.
- Thieme, A., R. Comber, J. Miebach, J. Weeden, N. Kraemer, S. Lawson, and P. Olivier. 2012. "'We've Bin Watching You': Designing for Reflection and Social Persuasion to Promote Sustainable Lifestyles". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '12*. ACM, New York, NY, USA. 2337–2346.
- Tholander, J. and M. Jacobsson. 2013. "Ecofriends: designing for critical reflection using social voices". *interactions*. 20(1): 58–62.

- Thomaz, E., I. A. Essa, and G. D. Abowd. 2017. "Challenges and Opportunities in Automated Detection of Eating Activity". In: *Mobile Health: Sensors, Analytic Methods, and Applications*. Ed. by J. M. Rehg, S. A. Murphy, and S. Kumar. Cham: Springer International Publishing. 151–174.
- Thomaz, E., A. Parnami, I. Essa, and G. D. Abowd. 2013. "Feasibility of Identifying Eating Moments from First-person Images Leveraging Human Computation". In: *Proceedings of the 4th International SenseCam & Pervasive Imaging Conference, SenseCam '13*. ACM, New York, NY, USA. 26–33.
- Thompson, D., T. Baranowski, R. Buday, J. Baranowski, V. Thompson, R. Jago, and M. J. Griffith. 2010. "Serious Video Games for Health How Behavioral Science Guided the Development of a Serious Video Game". *Simul. Gaming*. 41: 587–606.
- Touliatos, D., I. C. Dodd, and M. McAinsh. 2016. "Vertical farming increases lettuce yield per unit area compared to conventional horizontal hydroponics". *Food Energy Secur.* 5: 184–191.
- Toyama, K. 2010. "Human–Computer Interaction and Global Development". In: *Foundations and Trends® in Human–Computer Interaction*. Vol. 4. 1–79.
- Tribole, E. and E. Resch. 2012. *Intuitive eating*. Macmillan.
- Truninger, M. 2011. "Cooking with Bimby in a moment of recruitment: Exploring conventions and practice perspectives". *Journal of Consumer Culture*. 11: 37–59.
- Tsai, C. C., G. Lee, F. Raab, G. J. Norman, T. Sohn, W. G. Griswold, and K. Patrick. 2007. "Usability and Feasibility of PmEB: A Mobile Phone Application for Monitoring Real Time Caloric Balance". *Mobile Networks and Applications*. 12: 173–184.
- Tugade, M. M. and B. L. Fredrickson. 2007. "Regulation of Positive Emotions: Emotion Regulation Strategies that Promote Resilience". *J. Happiness Stud.* 8: 311–333.
- Tull, A. 2018. "Food and Cooking Skills Education: Why teach people how to cook?" Routledge.

- Tuorila, H. 2015. "From sensory evaluation to sensory and consumer research of food: An autobiographical perspective". *Food Qual. Prefer.* 40: 255–262.
- Twine, R. 2015. "Understanding snacking through a practice theory lens". *Sociol. Health Illn.* 37: 1270–1284.
- Twine, R. 2018. "Materially Constituting a Sustainable Food Transition: The Case of Vegan Eating Practice". *Sociology.* 52: 166–181.
- Uriu, D., M. Namai, S. Tokuhisa, R. Kashiwagi, M. Inami, and N. Okude. 2012. "Panavi: Recipe Medium with a Sensors-embedded Pan for Domestic Users to Master Professional Culinary Arts". In: *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, CHI '12*. ACM, New York, NY, USA. 129–138.
- Vannucci, E., F. Altarriba, J. Marshall, and D. Wilde. 2018. "Handmaking Food Ideals: Crafting the Design of Future Food-related Technologies". In: *Proceedings of the 2018 ACM Conference Companion Publication on Designing Interactive Systems, DIS '18 Companion*. ACM, New York, NY, USA. 419–422.
- van't Riet, J., S. J. Sijtsma, H. Dagevos, and G.-J. De Bruijn. 2011. "The importance of habits in eating behaviour. An overview and recommendations for future research". *Appetite.* 57: 585–596.
- Veldhuizen, M. G., K. J. Rudenga, and D. Small. 2010. "The pleasure of taste flavor and food. Pleasures of the brain 146–168".
- Vi, C. T., A. Marzo, D. Ablart, G. Memoli, S. Subramanian, B. Drinkwater, and M. Obrist. 2017. "TastyFloats: A Contactless Food Delivery System". In: *Proceedings of the 2017 ACM International Conference on Interactive Surfaces and Spaces, ISS '17*. ACM, New York, NY, USA. 161–170.
- Vidgen, H. A. 2014. FOOD LITERACY: WHAT IS IT AND DOES IT INFLUENCE WHAT WE EAT? Queensland University of Technology.
- Vu, T., F. Lin, N. Alshurafa, and W. Xu. 2017. "Wearable Food Intake Monitoring Technologies: A". *Comprehensive Review. Computers.* 6: 4.

- Walker, K., J. Underwood, T. Waema, L. Dunkley, J. Abdelnour-Nocera, R. Luckin, C. Oyugi, and S. Camara. 2008. "A Resource Kit for Participatory Socio-technical Design in Rural Kenya". In: *CHI '08 Extended Abstracts on Human Factors in Computing Systems, CHI EA '08*. ACM, New York, NY, USA. 2709–2714.
- Walker, P. 2007. "Food Residuals: Waste Product, By Product, or Coproduct. Food waste to animal feed 17–30".
- Wang, W., L. Yao, T. Zhang, C.-Y. Cheng, D. Levine, and H. Ishii. 2017. "Transformative Appetite: Shape-Changing Food Transforms from 2D to 3D by Water Interaction Through Cooking". In: *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, CHI '17*. ACM, New York, NY, USA. 6123–6132.
- Wang, Y., Z. Li, R. Jarvis, R. A. Khot, and F. Mueller. 2018. "The Singing Carrot: Designing Playful Experiences with Food Sounds. In: Extended Abstracts Publication of the Annual Symposium on Computer-Human Interaction in Play". ACM.
- Wang, Y., Z. Li, R. Jarvis, R. A. Khot, and F. Mueller. 2018. "iScream!: Towards the Design of Playful Gustosonic Experiences with Ice Cream". In: *Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems (CHI EA '19)*. ACM, New York, NY, USA, Paper INT047. 4 pages.
- Wang, Y., X. Ma, Q. Luo, and H. Qu. 2016. "Data Edibilization: Representing Data with Food". In: *Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '16*. ACM, New York, NY, USA. 409–422.
- Warde, A. 2016. *The Practice of Eating*. John Wiley & Sons.
- Warde, A., S.-L. Cheng, W. Olsen, and D. Southerton. 2007. "Changes in the Practice of Eating: A Comparative Analysis of Time-Use". *Acta Sociol.* 50: 363–385.
- Warren, J. M., N. Smith, and M. Ashwell. 2017. "A structured literature review on the role of mindfulness, mindful eating and intuitive eating in changing eating behaviours: effectiveness and associated potential mechanisms". *Nutr. Res. Rev.* 30: 272–283.
- Waugh, W. A. and C. G. King. 1932. "ISOLATION AND IDENTIFICATION OF VITAMIN C". *J. Biol. Chem.* 97: 325–331.

- Wei, J., X. Ma, and S. Zhao. 2014. "Food Messaging: Using Edible Medium for Social Messaging". In: *Proceedings of the 32Nd Annual ACM Conference on Human Factors in Computing Systems, CHI '14*. ACM, New York, NY, USA. 2873–2882.
- Wei, J. and R. Nakatsu. 2012. *Leisure Food: Derive Social and Cultural Entertainment through Physical Interaction with Food*. Springer Berlin Heidelberg. 256–269.
- Wei, J., X. Wang, R. L. Peiris, Y. Choi, X. R. Martinez, R. Tache, J. T. K. V. Koh, V. Halupka, and A. D. Cheok. 2011. "CoDine: an interactive multi-sensory system for remote dining". In: *Proceedings of the 13th International Conference on Ubiquitous Computing*. ACM. 21–30.
- Welsh, J. and R. MacRae. 1998. "Food Citizenship and Community Food Security: Lessons from Toronto, Canada". *Rev. Can. Etudes Dev.* 19: 237–255.
- Willett, W. C. and M. J. Stampfer. 2013. "Current evidence on healthy eating". *Annu. Rev. Public Health.* 34: 77–95.
- Wolfson, J. A. and S. N. Bleich. 2015. "Is cooking at home associated with better diet quality or weight-loss intention?" *Public Health Nutr.* 18: 1397–1406.
- Wolfswinkel, J. F., E. Furtmueller, and C. P. M. Wilderom. 2013. "Using grounded theory as a method for rigorously reviewing literature". *European Journal of Information Systems.* 22: 45–55.
- Wrangham, R. W. 2009. *Catching Fire: How Cooking Made Us Human*. 1st ed. ed: Basic Books.
- Wu, Y. and K. T. T. Chang. 2013. "An Empirical Study of Designing Simplicity for Mobile Application Interaction". In: *AMCIS Proceedings*. aisel.aisnet.org.
- Xie, L., Y. Yin, X. Lu, B. Sheng, and S. Lu. 2013. "iFridge: an intelligent fridge for food management based on RFID technology". In: *Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication*. ACM. 291–294.

- Yasuda, T., M. Fukiwake, K. Shimokasa, and Y. Mine. 2017. "Investigation of Food Characteristics Modulating Spoon Motions in Skilled Spoon Users: Proposal of a Control Target for the Active Self-feeding Spoon". *Advanced Biomedical Engineering*. 6: 110–121.
- Yatani, K. and K. N. Truong. 2012. "BodyScope: A Wearable Acoustic Sensor for Activity Recognition". In: *Proceedings of the 2012 ACM Conference on Ubiquitous Computing, UbiComp '12*. ACM, New York, NY, USA. 341–350.
- Yu, Q., Y. Shi, H. Tang, P. Yang, A. Xie, B. Liu, and W. Wu. 2017. "eFarm: A Tool for Better Observing Agricultural Land Systems". *Sensors* 17.
- Zampini, M. and C. Spence. 2004. "THE ROLE OF AUDITORY CUES IN MODULATING THE PERCEIVED CRISPNESS AND STALENESS OF POTATO CHIPS". *J. Sens. Stud.* 19: 347–363.
- Zhu, F., M. Bosch, I. Woo, S. Kim, C. J. Boushey, D. S. Ebert, and E. J. Delp. 2010. "The Use of Mobile Devices in Aiding Dietary Assessment and Evaluation". *IEEE J. Sel. Top. Signal Process.* 4: 756–766.
- Zoran, A. and M. Coelho. 2011. "Cornucopia: the concept of digital gastronomy". *Leonardo*. 44(5): 425–431.
- Zoran, A. and D. Cohen. 2018. "Digital Konditorei: Programmable Taste Structures Using a Modular Mold". In: *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems, CHI '18*. ACM, New York, NY, USA. 400:1–400:9.