

Bibliography

- Barham, P. *The Science of Cooking*. Berlin: Springer, 2001.
- Barham, P., L. H. Skibsted, W. L. P. Bredie, M. B. Frøst, P. Møller, J. Risbo, P. Snitkjaer, and L. M. Mortensen. Molecular gastronomy: A new emerging scientific discipline. *Chemical Reviews* 110 (2010): 2313–65.
- Beckett, S. T. *The Science of Chocolate*. 2nd ed. Cambridge: Royal Society of Chemistry, 2008.
- Blumenthal, H. *The Fat Duck Cookbook*. New York: Bloomsbury, 2009.
- Bourne, M. *Food Texture and Viscosity: Concept and Measurement*. 2nd ed. San Diego, Calif.: Academic Press, 2002.
- Brady, J. W. *Introductory Food Chemistry*. Ithaca, N.Y.: Cornell University Press, 2013.
- Brillat-Savarin, J. A. *The Physiology of Taste, or Meditations on Transcendental Gastronomy*. Translated by M. F. K. Fisher. New York: Everyman's Library, 2009.
- Bushdid, C., M. O. Magnasco, L. B. Vosshall, and A. Keller. Humans can discriminate more than 1 trillion olfactory stimuli. *Science* 343 (2014): 1370–72.
- Cazor, A., and C. Liénard. *Molecular Cuisine: Twenty Techniques, Forty Recipes*. Boca Raton, Fla.: CRC Press, 2012.
- Chandrashekar, J., D. Yarmolinsky, L. von Buchholtz, Y. Oka, W. Sly, N. J. P. Ryba, and C. S. Zuker. The taste of carbonation. *Science* 326 (2009): 443–45.
- Chaudhari, N., and S. D. Roper. The cell biology of taste. *Journal of Cell Biology* 190 (2010): 285–96.
- Chen, J., and L. Engelen, eds. *Food Oral Processing: Fundamentals of Eating and Sensory Perception*. Oxford: Wiley-Blackwell, 2012.
- Clarke, C. *The Science of Ice Cream*. 2nd ed. Cambridge: Royal Society of Chemistry, 2012.
- Coulter, T. P. *Food: The Chemistry of Its Components*. 6th ed. Cambridge: Royal Society of Chemistry, 2015.
- de Wijk, R. A., M. E. J. Terpstra, A. M. Janssen, and J. F. Prinz. Perceived creaminess of semi-solid foods. *Trends in Food Science and Technology* 17 (2006): 412–22.
- Drake, B. Sensory textural/rheological properties: A polyglot list. *Journal of Texture Studies* 20 (1989): 1–27.
- Fennema, O. R. *Food Chemistry*. 2nd ed. New York: Dekker, 1985.
- Frøst, M. B., and T. Janhøj. Understanding creaminess. *International Dairy Journal* 17 (2007): 1298–1311.

- Fu, H., Y. Liu, F. Adrià, X. Shao, W. Cai, and C. Chipot. From material science to avant-garde cuisine: The art of shaping liquids into spheres. *Journal of Physical Chemistry B* 118 (2014): 11747–56.
- Green, B. G., and D. Nachtigal. Somatosensory factors in taste perception: Effects of active tasting and solution temperature. *Physiology & Behavior* 107 (2012): 488–95.
- Hachisu, N. S. *Japanese Farm Food*. Kansas City, Mo.: Andrews McMeel, 2012.
- . *Preserving the Japanese Way: Traditions of Salting, Fermenting, and Pickling for the Modern Kitchen*. Kansas City, Mo.: Andrews McMeel, 2015.
- Hisamatsu, I. *Quick and Easy Tsukemono: Japanese Pickling Recipes*. Tokyo: Japan Publications Trading, 2005.
- Hsieh, Y.-H. P., F.-M. Leong, and J. Rudloe. Jellyfish as food. *Hydrobiologica* 451 (2001): 11–17.
- Joachim, D., and A. Schloss. *The Science of Good Food: The Ultimate Reference on How Cooking Works*. Toronto: Rose, 2008.
- Johnson, A., K. Kirshenbaum, and A. E. McBride. Konjac dondurma: Designing a sustainable and stretchable “fox testicle” ice cream. In *The Kitchen as Laboratory: Reflections on the Science of Food and Cooking*, edited by C. Vega, J. Ubbink, and E. van der Linden, 33–40. New York: Columbia University Press, 2012.
- Jurafsky, D. *The Language of Food: A Linguist Reads the Menu*. New York: Norton, 2014.
- Kasabian, A., and D. Kasabian. *The Fifth Taste: Cooking with Umami*. New York: Universe, 2005.
- Kurti, N., and G. Kurti, eds. *But the Crackling Is Superb: An Anthology on Food and Drink by Fellows and Foreign Members of the Royal Society*. 2nd ed. Boca Raton, Fla.: CRC Press, 1997.
- Lévi-Strauss, C. *The Raw and the Cooked*. Vol. 1 of *Mythologiques*. Translated by John Weightman and Doreen Weightman. Chicago: University of Chicago Press, 1983.
- Lieberman, D. E. *The Evolution of the Human Head*. Cambridge, Mass.: Harvard University Press, 2011.
- . *The Story of the Human Body: Evolution, Health, and Disease*. New York: Pantheon, 2013.
- Lucas, P. W., K. Y. Ang, Z. Sui, K. R. Agrawal, J. F. Prinz, and N. J. Dominy. A brief review of the recent evolution of the human mouth in physiological and nutritional contexts. *Physiology & Behavior* 89 (2006): 36–38.
- Maruyama, Y., R. Yasyuda, M. Kuroda, and Y. Eto. *Kokumi* substances, enhancers of basic tastes, induce responses in calcium-sensing receptor expressing taste cells. *PLoS ONE* 7 (2012): e34489.
- McGee, H. *On Food and Cooking: The Science and Lore of the Kitchen*. New York: Scribner, 2004.
- McQuaid, J. *Taste: The Art and Science of What We Eat*. New York: Scribner, 2015.
- Mielby, L. H., and M. B. Frøst. Eating is believing. In *The Kitchen as Laboratory: Reflections on the Science of Food and Cooking*, edited by C. Vega, J. Ubbink, and E. van der Linden, 233–41. New York: Columbia University Press, 2012.
- Mouritsen, O. G. Gastrophysics of the oral cavity. *Current Pharmaceutical Design* 22 (2016): 2195–2203.
- . *Seaweeds: Edible, Available, and Sustainable*. Translated by Mariela Johansen. Chicago: University of Chicago Press, 2013.

- . *Sushi: Food for the Eye, the Body, and the Soul*. Translated by Mariela Johansen. New York: Springer, 2009.
- . Umami flavour as a means to regulate food intake and to improve nutrition and health. *Nutrition and Health* 21 (2012): 56–75.
- Mouritsen, O. G., and K. Styrbæk. *Umami: Unlocking the Secrets of the Fifth Taste*. Translated by Mariela Johansen. New York: Columbia University Press, 2014.
- Müller, H. G. Mechanical properties, rheology, and hapt aesthesis of food. *Journal of Texture Studies* 1 (1969): 38–42.
- Myhrvold, N., with C. Young and M. Bilet. *Modernist Cuisine: The Art and Science of Cooking*. Bellevue, Wash.: Cooking Lab, 2010.
- Norn, V., ed. *Emulsifiers in Food Technology*. 2nd ed. Oxford: Wiley-Blackwell, 2015.
- Perram, C. A., C. Nicolau, and J. W. Perram. Interparticle forces in multiphase colloid systems: The resurrection of coagulated sauce béarnaise. *Nature* 270 (1977): 572–73.
- Pollan, M. *The Omnivore's Dilemma: A Natural History of Four Meals*. New York: Penguin Press, 2006.
- Prescott, J. *Taste Matters: Why We Like the Food We Do*. London: Reaktion Books, 2012.
- Roos, Y. H. Glass transition temperature and its relevance in food processing. *Annual Review of Food Science and Technology* 1 (2010): 469–96.
- Rowat, A. C., K. Hollar, D. Rosenberg, and H. A. Stone. The science of chocolate: Phase transitions, emulsification, and nucleation. *Journal of Chemical Education* 88 (2011): 29–33.
- Rowat, A. C., and D. A. Weitz. On the origins of material properties of foods: Cooking and the science of soft matter. In *L'Espace Laboratori d'Arts Santa Mònica*, 115–20. Barcelona: Actar, 2010.
- Shaw, J. Head to toe. *Harvard Magazine*, January–February 2011.
- Shepherd, G. M. *Neuroenology: How the Brain Creates the Taste of Wine*. New York: Columbia University Press, 2017.
- . *Neurogastronomy: How the Brain Creates Flavor and Why It Matters*. New York: Columbia University Press, 2011.
- . Smell images and the flavour system in the human brain. *Nature* 444 (2006): 316–21.
- Shimizu, K. *Tsukemono: Japanese Pickled Vegetables*. Tokyo: Shufunotomo, 1993.
- Small, D. Flavor is in the brain. *Physiology & Behavior* 107 (2012): 540–52.
- Spence, C., and B. Piqueras-Fiszman. *The Perfect Meal: The Multisensory Science of Food and Dining*. Oxford: Wiley-Blackwell, 2014.
- Stedman, H. H., B. W. Kozyak, A. Nelson, D. M. Thesier, L. T. Su, D. W. Low, C. R. Bridges, J. B. Shrager, N. Minugh-Purvis, and M. A. Mitchell. Myosin gene mutation correlates with anatomical changes in the human lineage. *Nature* 428 (2004): 415–18.
- Stender, S., A. Astrup, and J. Dyerberg. Ruminant and industrially produced trans fatty acids: Health aspects. *Food & Nutrition Research* 52 (2008): 1–8.
- . What went in when trans went out? *New England Journal of Medicine* 361 (2009): 314–16.
- Stevenson, R. J. *The Psychology of Flavour*. Oxford: Oxford University Press, 2009.
- Stuckey, B. *Taste What You're Missing: The Passionate Eater's Guide to Why Good Food Tastes Good*. New York: Atria Books, 2012.

- Szczesniak, A. S. Texture is a sensory property. *Food Quality and Preference* 13 (2002): 215–25.
- This, H. *Kitchen Mysteries: Revealing the Science of Cooking*. Translated by Jody Gladding. New York: Columbia University Press, 2007.
- . Modeling dishes and exploring culinary “precisions”: The two issues of molecular gastronomy. *British Journal of Nutrition* 93 (2005): S139–S146.
- . *Molecular Gastronomy: Exploring the Science of Flavor*. Translated by M. DeBevoise. New York: Columbia University Press, 2002.
- . Molecular gastronomy is a scientific discipline, and note-by-note cuisine is the next culinary trend. *Flavour* 2 (2013): 1–8.
- . *Note-by-Note Cooking: The Future of Food*. Translated by M. DeBevoise. New York: Columbia University Press, 2014.
- Tsuji, S. *Japanese Cooking: A Simple Art*. Tokyo: Kodansha, 1980.
- Ulijaszek, S., N. Mann, and S. Elton. *Evolving Human Nutrition: Implications for Public Health*. Cambridge: Cambridge University Press, 2011.
- Vega, C., and R. Mercadé-Prieto. Culinary biophysics: On the nature of the 6X°C egg. *Food Biophysics* 6 (2011): 152–59.
- Vega, C., J. Ubbink, and E. van der Linden, eds. *The Kitchen as Laboratory: Reflections on the Science of Food and Cooking*. New York: Columbia University Press, 2012.
- Verhagen, J. V., and L. Engelen. The neurocognitive bases of human multimodal food perception: Sensory integration. *Neuroscience & Biobehavioral Reviews* 30 (2006): 613–50.
- Vilgis, T. *Das Molekül-Menü: Molekulares Wissen für kreative Köche*. Stuttgart: Hirzel, 2011.
- . Texture, taste and aroma: Multi-scale materials and the gastrophysics of food. *Flavour* 2 (2013).
- Virost, E., and A. Ponomarenko. Popcorn: Critical temperature, jump and sound. *Journal of the Royal Society Interface* 12 (2015): 2014.1247.
- Walstra, P. *Physical Chemistry of Foods*. Boca Raton, Fla.: CRC Press, 2002.
- Wilson, B. *First Bite: How We Learn to Eat*. New York: Basic Books, 2015.
- Wobber, V., B. Hare, and R. Wrangham. Great apes prefer cooked food. *Journal of Human Evolution* 55 (2008): 340–48.
- Wrangham, R. *Catching Fire: How Cooking Made Us Human*. New York: Basic Books, 2009.
- Wrangham, R., and N. Conklin-Brittain. Cooking as a biological trait. *Comparative Biochemistry and Physiology A* 136 (2003): 35–46.
- Youssef, J. *Molecular Gastronomy at Home: Taking Culinary Physics out of the Lab and into Your Kitchen*. London: Quarto Books, 2013.
- Zink, K. D., and D. E. Lieberman. Impact of meat and Lower Palaeolithic food processing techniques on chewing in humans. *Nature* 531 (2016): 500–503.