

Sensory Perception

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Resources

Abdallah, C. G., & Geha, P. (2017). [Chronic pain and chronic stress: Two sides of the same coin?](#) *Chronic Stress*, 1, 1-10. <https://doi.org/10.1177/2470547017704763>

Aizawa, Y., Harada, T., Nakata, H., Tsunakawa, M., Sadato, N., & Nagashima, K. (2019). [Assessment of brain mechanisms involved in the processes of thermal sensation, pleasantness/unpleasantness, and evaluation](#). *IBRO Reports*, 6, 54-63. <https://doi.org/10.1016/j.ibror.2019.01.003>

American Speech, Language and Hearing Association. (2015). [How we hear](#). <https://www.asha.org/public/hearing/how-we-hear/>

Argueta, P., Dominguez, J., Zachman, J., Worthington, P., & Kana, R. K. (2025). [“The giant black elephant with white tusks stood in a field of green grass”: Cognitive and brain mechanisms underlying aphantasia](#). *Consciousness and Cognition*, 127, 103790. <https://doi.org/10.1016/j.concog.2024.103790>

Armstrong, A. G., & Vlasov, Y. (2025). [Neural correlates of perceptual decision making in primary somatosensory cortex](#). *bioRxiv*, 2025-03. <https://doi.org/10.1101/2025.03.29.646003>

Balla, E., Nabbefeld, G., Wiesbrock, C., Linde, J., Graff, S., Musall, S., & Kampa, B. M. (2025). [Broadband visual stimuli improve neuronal representation and sensory perception](#). *Nature Communications*, 16(1), 2957. <https://doi.org/10.1038/s41467-025-58003-1>

Banissy, M. J., & Ward, J. (2007). [Mirror-touch synesthesia is linked with empathy](#). *Nature Neuroscience*, 10(7), 815-816. <https://doi.org/10.1038/nn1926>

Barbieri, M., Negrini, M., Nitsche, M. A., & Rivalta, D. (2016). [Anodal-tDCS over the human right occipital cortex enhances the perception and memory of both faces and objects](#). *Neuropsychologia*, 81, 238-244. <https://doi.org/10.1016/j.neuropsychologia.2015.12.030>

Barry, S.R. (2021). [Coming to our senses: A boy who learned to see, a girl who learned to hear, and how we all discover the world](#). Basic Books.

Barry, S. R. (2009). [Fixing my gaze: A scientist's journey into seeing in three dimensions](#). Basic Books.

Bendova, S. (2025). [Impact of sensory cortex dysfunction on sensory perception](#). Edinburgh Research Archive. <http://dx.doi.org/10.7488/era/5561>

- Boyd, L. (2024). [From sensory perception to realtime nonverbal communication](#). In L.A. Boyd's (Ed.) *The sensory accommodation framework for technology: Bridging sensory processing to social cognition* (pp. 85-99). Cham: Springer Nature Switzerland. https://doi.org/10.1007/978-3-031-48843-6_6
- Bregman, A. S. (1994). [Auditory scene analysis: The perceptual organization of sound](#). MIT press.
- Burgess, N. (2011, November). [How your brain tells you where you are](#) [Video] (9:03 minutes). TED Conferences. https://www.ted.com/talks/neil_burgess_how_your_brain_tells_you_where_you_are?language=en#t-74520
- Bushak, L. (2015). [How does the nose smell? The inner workings of our sense of smell](#). *Medical Daily*. <https://www.medicaldaily.com/how-does-nose-smell-inner-workings-our-sense-smell-324566>
- Carr, M., Haar, A., Amores, J., Lopes, P., Bernal, G., Vega, T., Rosello, O., Jain, A., & Maes, P. (2020). [Dream engineering: Simulating worlds through sensory stimulation](#). *Consciousness and Cognition*, 83, Article 102955. <https://doi.org/10.1016/j.concog.2020.102955>
- Center for Hearing and Communication (2015). [The impact of noise on a healthy, happy childhood.](#). [Selectiveness of the exposure-based perceptual learning](#). *Learning and Perception*, 1(1), 89-98. <https://dx.doi.org/10.1556%2FLP.1.2009.1.7>
- Çelik, S., Doğan, R. B., Parlatan, C. S., & Güntekin, B. (2021). [Distinct brain oscillatory responses for the perception and identification of one's own body from other's body](#). *Cognitive Neurodynamics*, 1-12. <https://doi.org/10.1007/s11571-020-09660-z>
- Chanda, A. A., Addanki, M. S., Kumar, C., Chinmay, A., & Kokila, P. (2024, May). [Integrated sensory perception: Real-time object detection, action recognition and emotion analysis](#). In *2024 International Conference on Current Trends in Advanced Computing (ICCTAC)* (pp. 1-8). IEEE. doi: 10.1109/ICCTAC61556.2024.10581033.
- Chen, G., Yan, J., Wang, C., & Chen, S. (2024). [Expanding the associations between landscape characteristics and aesthetic sensory perception for traditional village public space](#). *Forests*, 15(1), 97. <https://doi.org/10.3390/f15010097>
- Cichy, R. M., & Teng, S. (2017). [Resolving the neural dynamics of visual and auditory scene processing in the human brain: a methodological approach](#). *Philosophical Transactions of the Royal Society B: Biological Sciences*, 372(1714), Article 20160108. <https://doi.org/10.1098/rstb.2016.0108>
- Chen, H., Fu, S., Zhi, X., Wang, Y., Liu, F., Li, Y., ... & Wang, Y. (2025). [Research progress on neural processing of hand and forearm tactile sensation: A review based on fMRI research](#). *Neuropsychiatric Disease and Treatment*, 193-212. <https://doi.org/10.2147/NDT.S488059>
- Choi, H., & Watanabe, T. (2009). [Selectiveness of the exposure-based perceptual learning: what to learn and what not to learn](#). *Learning & perception*, 1(1), 89-98. <https://doi.org/10.1556/lp.1.2009.1.7>
- Collinger, J. L., Gaunt, R. A., & Schwartz, A. B. (2018). [Progress towards restoring upper limb movement and sensation through intracortical brain-computer interfaces](#). *Current Opinion in Biomedical Engineering*, 8, 84-92. <https://doi.org/10.1016/j.cobme.2018.11.005>
- Daw, N. W. (2014). [Plasticity in the visual cortex](#). In *Visual development* (pp. 191-215). Springer, Boston, MA.
- de Matos, A. D., Chen, A., Maggs, R., Godfrey, A. J. R., & Hort, J. (2025). [Cross-cultural differences and acculturation in affective response and sensory perception: a case study across Chinese immigrants and local consumers in New Zealand](#). *Food Quality and Preference*, 122, 105299. <https://doi.org/10.1016/j.foodqual.2024.105299>

- Desantis, A., & Haggard, P. (2016). [How actions shape perception: learning action-outcome relations and predicting sensory outcomes promote audio-visual temporal binding](https://doi.org/10.1038%2Fsrep39086). *Scientific Reports*, 6, Article 39086. <https://doi.org/10.1038%2Fsrep39086>
- Eagleman, D. M., & Perrotta, M. V. (2023). [The future of sensory substitution, addition, and expansion via haptic devices](https://doi.org/10.3389/fnhum.2022.1055546). *Frontiers in Human Neuroscience*, 16. <https://doi.org/10.3389/fnhum.2022.1055546>
- Emberson, L. L., Boldin, A. M., Riccio, J. E., Guillet, R., & Aslin, R. N. (2017). [Deficits in top-down sensory prediction in infants At risk due to premature birth](https://doi.org/10.1016/j.cub.2016.12.028). *Current Biology*, 27(3), 431-436.
- Epstein, R. A., & Baker, C. I. (2019). [Scene perception in the human brain](https://doi.org/10.1016/j.cub.2016.12.028). *Annual Review of Vision Science*, 5, 373-397. <https://doi.org/10.1016/j.cub.2016.12.028>
- Fagiolini, M., & Hensch, T. K. (2000). [Inhibitory threshold for critical-period activation in primary visual cortex](https://doi.org/10.1038/35004582). *Nature*, 404(6774), 183-186. <https://doi.org/10.1038/35004582>
- Fontanini, A., & Czarnecki, L. (2023). [Neural processing of taste information](https://doi.org/10.1093/acrefore/9780190264086.013.99). *Oxford Research Encyclopedia of Neuroscience*. <https://doi.org/10.1093/acrefore/9780190264086.013.99>
- Gärdenfors, P. (2019). [From sensations to concepts: a proposal for two learning processes](https://doi.org/10.1007/s13164-017-0379-7). *Review of Philosophy and Psychology*, 10(3), 441-464. <https://doi.org/10.1007/s13164-017-0379-7>
- Gandhi, T. K., Ganesh, S., & Sinha, P. (2014). [Improvement in spatial imagery following sight onset late in childhood](https://doi.org/10.1016/j.cortex.2023.08.011). *Psychological Science*, 25(3), 693-701.
- Gordon, G. (2016). [Models of tactile perception and development](http://www.scholarpedia.org/article/Models_of_tactile_perception_and_development). In *Scholarpedia of touch* (pp. 797-808). Atlantis Press. http://www.scholarpedia.org/article/Models_of_tactile_perception_and_development
- Grossenbacher, P. G., & Lovelace, C. T. (2001). [Mechanisms of synesthesia: cognitive and physiological constraints](https://doi.org/10.1016/S1364-6613(00)01571-0). *Trends in Cognitive Sciences*, 5(1), 36-41. [https://doi.org/10.1016/S1364-6613\(00\)01571-0](https://doi.org/10.1016/S1364-6613(00)01571-0)
- Hauw, F., El Soudany, M., & Cohen, L. (2023). [The advantage of being a synesthete: The behavioral benefits of ticker-tape synesthesia](https://doi.org/10.1016/j.cortex.2023.08.011). *Cortex*, 168, 226-234. <https://doi.org/10.1016/j.cortex.2023.08.011>
- Henry, M. J., Herrmann, B., & Grahn, J. A. (2017). [What can we learn about beat perception by comparing brain signals and stimulus envelopes?](https://doi.org/10.1371/journal.pone.0172454) *PloS One*, 12(2), Article e0172454. <https://doi.org/10.1371/journal.pone.0172454>
- Hockley, A., Bohórquez, L. H., & Malmierca, M. S. (2025). [Top-down prediction signals from the medial prefrontal cortex govern auditory cortex prediction errors](https://doi.org/10.1016/j.celrep.2025.115538). *Cell Reports*, 44(4). DOI: 10.1016/j.celrep.2025.115538
- Hubbard, E. M., & Ramachandran, V. S. (2005). [Neurocognitive mechanisms of synesthesia](https://doi.org/10.1016/j.neuron.2005.10.012). *Neuron*, 48(3), 509-520. <https://doi.org/10.1016/j.neuron.2005.10.012>
- Jean-Remi, K. I. N. G., Pescetelli, N., & Dehaene, S. (2016). [Selective maintenance mechanisms of seen and unseen sensory features in the human brain](https://doi.org/10.1101/040030). *Biorxiv*, Article 040030. <https://doi.org/10.1101/040030>
- Jiang, J., Wang, D., Liu, Y., Xu, Y., & Liu, J. (2018). [A study on pupils' learning performance and thermal comfort of primary schools in China](https://doi.org/10.1016/j.buildenv.2018.02.036). *Building and Environment*, 134, 102-113. <https://doi.org/10.1016/j.buildenv.2018.02.036>
- Kang, X., Huang, X., Song, M., Guljajeva, V., & Kuchera-Morin, J. (2024). [Interdisciplinary translations: Sensory perception as a universal language](https://doi.org/10.48550/arXiv.2411.05374). Cornell. *arXiv preprint arXiv:2411.05374*. <https://doi.org/10.48550/arXiv.2411.05374>

- Kathofer, M., Lamm, C., Leder, H., & Crone, J. S. (2025). [Aesthetic experiences across visual perception and mental imagery: behaviorally indistinguishable, neurally distinct](#). *iScience*, 28(6). DOI: 10.1016/j.isci.2025.112588
- Kelleher, C. (2013, January). [How we see color](#) [Video] (3:32 minutes). TED Conferences. https://www.ted.com/talks/colm_kelleher_how_we_see_color
- Keller, H. (2004). [The story of my life](#) (Vol. 1). Library of Alexandria.
- Kim, F. (2015). [The mystery of tetrachromacy: if 12% of women have four cone types in their eyes, why do so few of them actually see more colours?](#) [Blog]. *The Neurosphere*. <https://theneurosphere.com/2015/12/17/the-mystery-of-tetrachromacy-if-12-of-women-have-four-cone-types-in-their-eyes-why-do-so-few-of-them-actually-see-more-colours/>
- King**, J. R., Pescetelli, N., & Dehaene, S. (2016). [Brain mechanisms underlying the brief maintenance of seen and unseen sensory information](#). *Neuron*, 92(5), 1122-1134. <https://doi.org/10.1016/j.neuron.2016.10.051>
- Kolarik, A. J., Moore, B. C., Zahorik, P., Cirstea, S., & Pardhan, S. (2016). [Auditory distance perception in humans: a review of cues, development, neuronal bases, and effects of sensory loss](#). *Attention, Perception, & Psychophysics*, 78(2), 373-395. <https://doi.org/10.3758/s13414-015-1015-1>
- König, S. U., Schumann, F., Keyser, J., Goeke, C., Krause, C., Wache, S., ... & Kaspar, K. (2016). [Learning new sensorimotor contingencies: Effects of long-term use of sensory augmentation on the brain and conscious perception](#). *PloS One*, 11(12), Article e0166647. <https://doi.org/10.1371/journal.pone.0166647>
- Kuehn**, E., Dinse, J., Jakobsen, E., Long, X., Schäfer, A., Bazin, P. L., ... & Margulies, D. S. (2017). [Body topography parcellates human sensory and motor cortex](#). *Cerebral Cortex*, 1-16. <https://doi.org/10.1093/cercor/bhx026>
- Lametti, D. R., & Watkins, K. E. (2016). [Cognitive neuroscience: The neural basis of motor learning by observing](#). *Current Biology*, 26(7), R288-R290. <https://doi.org/10.1016/j.cub.2016.02.045>
- Landelle, C., Anton, J. L., Nazarian, B., Sein, J., Gharbi, A., Felician, O., & Kavounoudias, A. (2020). [Functional brain changes in the elderly for the perception of hand movements: A greater impairment occurs in proprioception than touch](#). *NeuroImage*, 220, Article 117056. <https://www.sciencedirect.com/science/article/pii/S1053811920305425>
- Lee, W., Kim, S., Kim, B., Lee, C., Chung, Y. A., Kim, L., & Yoo, S. S. (2017). [Non-invasive transmission of sensorimotor information in humans using an EEG/focused ultrasound brain-to-brain interface](#). *PloS one*, 12(6), Article e0178476. <https://doi.org/10.1371/journal.pone.0178476>
- Lucini, F. A., Del Ferraro, G., Sigman, M., & Makse, H. A. (2019). [How the brain transitions from conscious to subliminal perception](#). *Neuroscience*, 411, 280-290. <https://doi.org/10.1016/j.neuroscience.2019.03.047>
- Mao, J., & Stocker, A. A. (2024). [Sensory perception is a holistic inference process](#). *Psychological Review*. <https://doi.org/10.1037/rev0000457>
- Marin, A. (2015, January 27). [Making sense of scents: Smell and the brain](#). Brain Facts. <https://www.brainfacts.org/thinking-sensing-and-behaving/smell/2015/making-sense-of-scents-smell-and-the-brain>
- Marini, G. (2024). [What's the sense of a classroom? Sensory perception in classrooms and relationships with nature in the wake of COVID-19](#). *Studies in Philosophy and Education*, 1-16. <https://doi.org/10.1007/s11217-024-09962-3>

- Marshall, A. C., Gentsch-Ebrahimzadeh, A., & Schütz-Bosbach, S. (2022). [From the inside out: Interoceptive feedback facilitates the integration of visceral signals for efficient sensory processing.](#) *NeuroImage*, 251, Article 119011. <https://doi.org/10.1016/j.neuroimage.2022.119011>
- Martin, A. (2016). [GRAPES—Grounding representations in action, perception, and emotion systems: How object properties and categories are represented in the human brain.](#) *Psychonomic Bulletin & Review*, 23(4), 979-990. <https://doi.org/10.3758/s13423-015-0842-3>
- Mastinu, M., Thaploo, D., Warr, J., & Hummel, T. (2025). [Cortical representation of food-related odors in gustatory areas differs according to their taste association: An fMRI study.](#) *Brain Sciences*, 15(4), 418. <https://doi.org/10.3390/brainsci15040418>
- Matthews, T. E., Witek, M. A., Lund, T., Vuust, P., & Penhune, V. B. (2020). [The sensation of groove engages motor and reward networks.](#) *NeuroImage*, 214, 116768. <https://doi.org/10.1016/j.neuroimage.2020.116768>
- Milazzo, S. (2011). Visual development in infants: physiological and pathological mechanisms. *Current Opinion in Ophthalmology*, 22, 1.
- Mioni, G., Grondin, S., Bardi, L., & Stablum, F. (2020). [Understanding time perception through non-invasive brain stimulation techniques: A review of studies.](#) *Behavioural brain research*, 377, Article 112232. <https://doi.org/10.1016/j.bbr.2019.112232>
- Monson, B. B., Eaton-Rosen, Z., Kapur, K., Liebenthal, E., Brownell, A., Smyser, C. D., ... & Neil, J. J. (2018). [Differential rates of perinatal maturation of human primary and nonprimary auditory cortex.](#) *eNeuro*, 5(1), 1-12. <https://dx.doi.org/10.1523%2FENEURO.0380-17.2017>
- Morishita**, H., & Hensch, T. K. (2008). [Critical period revisited: impact on vision.](#) *Current Opinion in Neurobiology*, 18(1), 101-107. <https://doi.org/10.1016/j.conb.2008.05.009>
- Nemati, E., Grayden, D. B., Burkitt, A. N., & Eskikand, P. Z. (2025). [Balancing prior knowledge and sensory data in a predictive coding model of coherent motion detection.](#) *PLOS Computational Biology*, 21(5), e1013116. <https://doi.org/10.1371/journal.pcbi.1013116>
- Nikolaou N, Meyer MP. (2015). [Lamination speeds the functional development of visual circuits.](#) *Neuron*, 88(5), 999-1013. <https://doi.org/10.1016/j.neuron.2015.10.020>
- Ostry, D. J., & Gribble, P. L. (2016). [Sensory plasticity in human motor learning.](#) *Trends in Neurosciences*, 39(2), 114-123. <http://dx.doi.org/10.1016%2Fj.tins.2015.12.006>
- Otten, M., Seth, A. K., & Pinto, Y. (2017). [A social Bayesian brain: How social knowledge can shape visual perception.](#) *Brain and Cognition*, 112, 69-77. <https://doi.org/10.1016/j.bandc.2016.05.002>
- Parisi, L., Fortunato, M. R., Salerno, M., Maltese, A., Di Folco, A., & Di, T. (2017). [Sensory perception in preschool children affected by Autism Spectrum Disorder: A pilot study.](#) *Acta Medica*, 33, 49.
- Parker, M., Spennemann, D. H., & Bond, J. (2024). [Sensory perception in cultural studies—A review of sensorial and multisensorial heritage.](#) *The Senses and Society*, 19(2), 231-261. <https://doi.org/10.1080/17458927.2023.2284532>
- Prsa, M., Galiñanes, G. L., & Huber, D. (2017). [Rapid integration of artificial sensory feedback during operant conditioning of motor cortex neurons.](#) *Neuron*, 93(4), 929-939. <https://doi.org/10.1016/j.neuron.2017.01.023>
- Ružičková, A., Jurkovičová, L., Páleník, J., Hutchison, K. A., Chmelík, J., Mitterová, K., & Juřík, V. (2025). [The](#)

effect of individual visual sensitivity on time perception. *Scientific Reports*, 15(1), 6589. <https://doi.org/10.1038/s41598-025-88778-8>

Saks, O. (1993 May 10). [To see and not to see](#). A Neurologist's Notebook. *The New Yorker*.

Salvesen, L. (2025). [Sensory disconnection and dreaming: The functional and phenomenological impact of sensory stimulation during sleep](#). [Doctoral Thesis] <https://doi.org/10.13118/imtlucca/e-theses/441>

Sanna, M. (2025). [Proprioceptive resonance and multimodal semiotics: Readiness to act, embodied cognition, and the dynamics of meaning](#). *NeuroSci*, 6(2), 42. <https://doi.org/10.3390/neurosci6020042>

Sawicki, J. (2025). [From empirical brain networks towards modeling music perception--a perspective](#). arXiv preprint arXiv:2504.07721. <https://doi.org/10.48550/arXiv.2504.07721>

Sexton, B. M., Liu, Y., & Block, H. J. (2019). [Increase in weighting of vision vs. proprioception associated with force field adaptation](#). *Scientific Reports*, 9(1), 1-13. <https://doi.org/10.1038/s41598-019-46625-7>

Sherman, C. (2013, September 11). [The senses-a primer \(Part I\)](#). Brain Facts. <https://www.brainfacts.org/thinking-sensing-and-behaving/vision/2013/the-senses-a-primer-part-i>

Sherman, C. (2013, September 25). [The senses-a primer \(Part II\)](#). Brain Facts. <https://www.brainfacts.org/thinking-sensing-and-behaving/vision/2013/the-senses-a-primer-part-ii>

Singhala, M., & Brown, J. D. (2023). [Mirror-brush illusion: Creating phantom tactile percepts on intact limbs](#). *IEEE Transactions on Haptics*, 16(4), 665–671. <https://doi.org/10.1109/toh.2023.3279012>

Stevenson, R. A., Segers, M., Ferber, S., Barense, M. D., Camarata, S., & Wallace, M. T. (2016). [Keeping time in the brain: Autism spectrum disorder and audiovisual temporal processing](#). *Autism Research*, 9(7), 720-738. <https://doi.org/10.1002/aur.1566>

Stoliker, D., Preller, K. H., Novelli, L., Anticevic, A., Egan, G. F., Vollenweider, F. X., & Razi, A. (2025). [Neural mechanisms of psychedelic visual imagery](#). *Molecular Psychiatry*, 30(4), 1259-1266. <https://doi.org/10.1038/s41380-024-02632-3>

Sturtewagen, L., van Mil, H., & Linden, E. V. D. (2025). [Complexity, uncertainty, and entropy: Applications to food sensory perception and other complex phenomena](#). *Entropy*, 27(2), 191. <https://doi.org/10.3390/e27020191>

Sutherland, S. (2016, December 28). [Smell: An overview](#). Brain Facts. <https://www.brainfacts.org/thinking-sensing-and-behaving/smell/2016/smell-an-overview>

Teufel, C. (2018). [Sensory neuroscience: linking dopamine, expectation, and hallucinations](#). *Current Biology*, 28(4), R158-R160. <https://doi.org/10.1016/j.cub.2018.01.003>

Tomasello, R., Garagnani, M., Wennekers, T., & Pulvermüller, F. (2017). [Brain connections of words, perceptions and actions: a neurobiological model of spatio-temporal semantic activation in the human cortex](#). *Neuropsychologia*, 98, 111-129. <https://doi.org/10.1016/j.neuropsychologia.2016.07.004>

VanRullen, R. (2017). [Perception science in the age of deep neural networks](#). *Frontiers in Psychology*, 8, Article 142. <https://dx.doi.org/10.3389%2Ffpsyg.2017.00142>

Verma, K. L. (2024). Electrophysiological (EEG) [Correlates of reward effects on early sensory perception in humans](#). *Journal of Neuroeducation*, 4(2). <https://doi.org/10.1344/joned.v4i2.43569>

Vincis, R., & Fontanini, A. (2016). [A gustocentric perspective to understanding primary sensory cortices](#). *Current Opinion in Neurobiology*, 40, 118-124. <https://dx.doi.org/10.1016%2Fj.conb.2016.06.008>

Wallace, J. G., & Edin, B. C. (1963/2001). [Recovery from early blindness A case study](#). *Experimental*

- Wang, M., Luo, Y., Wang, T., Wan, C., Pan, L., Pan, S., ... & Chen, X. (2021). [Artificial skin perception](#). *Advanced Materials*, 33(19), 2003014. <https://doi.org/10.1002/adma.202003014>
- Whuk, A. (2016, January 7). [Insights into the visual system](#). Brain Facts. <https://www.brainfacts.org/thinking-sensing-and-behaving/vision/2016/insights-to-the-visual-system-010716>
- Yeon, J., Kim, J., Ryu, J., Park, J. Y., Chung, S. C., & Kim, S. P. (2017). [Human brain activity related to the tactile perception of stickiness](#). *Frontiers in Human Neuroscience*, 11, Article 8. <https://doi.org/10.3389/fnhum.2017.00008>
- Wu, B., Eldeghaidy, S., Ayed, C., Fisk, I. D., Hewson, L., & Liu, Y. (2021). [Mechanisms of umami taste perception: From molecular level to brain imaging](#). *Critical Reviews in Food Science and Nutrition*, 1-10. <https://doi.org/10.1080/10408398.2021.1909532>
- Ye, J., Gupta, P., Shah, P., Tiwari, K., Gandhi, T., Ganesh, S., ... & Sinha, P. (2021). [Resilience of temporal processing to early and extended visual deprivation](#). *Vision Research*, 186, 80-86. <https://doi.org/10.1016/j.visres.2021.05.004>
- Zheng, Y., Zhang, J., Yang, Y., & Xu, M. (2025). [Neural representation of sensorimotor features in language-motor areas during auditory and visual perception](#). *Communications Biology*, 8(1), 41. <https://doi.org/10.1038/s42003-025-07466-5>

OTHER RESOURCES:

- CrashCourse (2014, March 3). [Sensation and perception: Crash Course psychology #5](#) [Video] (10:45). YouTube. <https://www.youtube.com/watch?v=unWnZvXJH2o>
- CrashCourse (2014, March 10). [Homunculus: Crash Course psychology #6](#) [Video] (10:23). YouTube. <https://www.youtube.com/watch?v=fxZWtc0mYpQ>
- CrashCourse (2014, March 10). [Perceiving is believing: Crash Course psychology #7](#) [Video] (9:59). YouTube. https://www.youtube.com/watch?v=n46umYA_4dM
- Lamb, M. (2023, July 1). [Sensory substitution: How to see with your tongue](#) [Video]. YouTube. <https://www.youtube.com/watch?v=O7inf4PLHvE>
- Fulton Library (2021). *Deaf memoirs and biographies* [website] <https://uvu.libguides.com/deaf-studies-guide/memoirs>

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