# Margaret S Livingstone

List of Publications by Year
in descending order



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|---|---|---|---|
| 113 papers | 19,386 citations | 34016<br>52 h-index | 24915<br>109 g-index |
| 123 all docs | 123 docs citations | 123 times ranked | 10089 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Face neurons encode nonsemantic features. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118705119. | 3.3 | 4 |
| 2 | Sulcal Depth in the Medial Ventral Temporal Cortex Predicts the Location of a Place-Selective Region in Macaques, Children, and Adults. Cerebral Cortex, 2021, 31, 48-61. | 1.6 | 24 |
| 3 | On the relationship between maps and domains in inferotemporal cortex. Nature Reviews Neuroscience, 2021, 22, 573-583. | 4.9 | 50 |
| 4 | The retrocalcarine sulcus maps different retinotopic representations in macaques and humans. Brain Structure and Function, 2021, , 1. | 1.2 | 1 |
| 5 | Anatomical correlates of face patches in macaque inferotemporal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32667-32678. | 3.3 | 18 |
| 6 | The neurons that mistook a hat for a face. ELife, 2020, 9, . | 2.8 | 14 |
| 7 | Anatomical folding predicts the location of face-selective domains in macaque IT. Journal of Vision, 2020, 20, 440. | 0.1 | 0 |
| 8 | The neurovascular response is attenuated by focused ultrasound-mediated disruption of the blood-brain barrier. NeuroImage, 2019, 201, 116010. | 2.1 | 20 |
| 9 | Universal Mechanisms and the Development of the Face Network: What You See Is What You Get. Annual Review of Vision Science, 2019, 5, 341-372. | 2.3 | 32 |
| 10 | Evolving Images for Visual Neurons Using a Deep Generative Network Reveals Coding Principles and Neuronal Preferences. Cell, 2019, 177, 999-1009.e10. | 13.5 | 153 |
| 11 | Body map proto-organization in newborn macaques. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24861-24871. | 3.3 | 30 |
| 12 | Cortex Is Cortex: Ubiquitous Principles Drive Face-Domain Development. Trends in Cognitive Sciences, 2019, 23, 3-4. | 4.0 | 21 |
| 13 | Modulation of brain function by targeted delivery of GABA through the disrupted blood-brain barrier. NeuroImage, 2019, 189, 267-275. | 2.1 | 31 |
| 14 | The neurons that mistook Stuartâ€™s hat for his face. Journal of Vision, 2019, 19, 259c. | 0.1 | 1 |
| 15 | A dual-mode hemispherical sparse array for 3D passive acoustic mapping and skull localization within a clinical MRI guided focused ultrasound device. Physics in Medicine and Biology, 2018, 63, 065008. | 1.6 | 29 |
| 16 | Focused ultrasound induced opening of the blood-brain barrier disrupts inter-hemispheric resting state functional connectivity in the rat brain. NeuroImage, 2018, 178, 414-422. | 2.1 | 31 |
| 17 | Preserved cortical organization in the absence of early visual input. Journal of Vision, 2018, 18, 27. | 0.1 | 3 |
| 18 | Development of the macaque face-patch system. Nature Communications, 2017, 8, 14897. | 5.8 | 79 |

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|---|---|---|---|
| 19 | Posterior Inferotemporal Cortex Cells Use Multiple Input Pathways for Shape Encoding. Journal of Neuroscience, 2017, 37, 5019-5034. | 1.7 | 7 |
| 20 | End-Stopping Predicts Curvature Tuning along the Ventral Stream. Journal of Neuroscience, 2017, 37, 648-659. | 1.7 | 40 |
| 21 | Retinotopic Organization of Scene Areas in Macaque Inferior Temporal Cortex. Journal of Neuroscience, 2017, 37, 7373-7389. | 1.7 | 57 |
| 22 | Seeing faces is necessary for face-domain formation. Nature Neuroscience, 2017, 20, 1404-1412. | 7.1 | 208 |
| 23 | End-Stopping Predicts Curvature Tuning along the Ventral Stream. Journal of Neuroscience, 2017, 37, 648-659. | 1.7 | 4 |
| 24 | A hierarchical, retinotopic proto-organization of the primate visual system at birth. ELife, 2017, 6, . | 2.8 | 132 |
| 25 | Retinotopic organization of scene area in macaque inferior temporal cortex and its implications for development. Journal of Vision, 2017, 17, 309. | 0.1 | 0 |
| 26 | 5th International Symposium on Focused Ultrasound. Journal of Therapeutic Ultrasound, 2016, 4, . | 2.2 | 1 |
| 27 | Preclinical evaluation of a low-frequency transcranial MRI-guided focused ultrasound system in a primate model. Physics in Medicine and Biology, 2016, 61, 7664-7687. | 1.6 | 17 |
| 28 | Evolution of Osteocrin as an activity-regulated factor in the primate brain. Nature, 2016, 539, 242-247. | 13.7 | 120 |
| 29 | Cavitation-enhanced nonthermal ablation in deep brain targets: feasibility in a large animal model. Journal of Neurosurgery, 2016, 124, 1450-1459. | 0.9 | 52 |
| 30 | Targeted, noninvasive blockade of cortical neuronal activity. Scientific Reports, 2015, 5, 16253. | 1.6 | 34 |
| 31 | Ultrasound-mediated blood-brain barrier disruption for targeted drug delivery in the central nervous system. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 32 | Symbol addition by monkeys provides evidence for normalized quantity coding. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6822-6827. | 3.3 | 24 |
| 33 | Novel domain formation reveals proto-architecture in inferotemporal cortex. Nature Neuroscience, 2014, 17, 1776-1783. | 7.1 | 131 |
| 34 | Combined ultrasound and MR imaging to guide focused ultrasound therapies in the brain. Physics in Medicine and Biology, 2013, 58, 4749-4761. | 1.6 | 88 |
| 35 | Temporary Disruption of the Bloodâ€"Brain Barrier by Use of Ultrasound and Microbubbles: Safety and Efficacy Evaluation in Rhesus Macaques. Cancer Research, 2012, 72, 3652-3663. | 0.4 | 474 |
| 36 | Behavioral and Anatomical Consequences of Early versus Late Symbol Training in Macaques. Neuron, 2012, 73, 608-619. | 3.8 | 95 |

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|---|---|---|---|
| 37 | Colored halos around faces and emotion-evoked colors: A new form of synesthesia. Neurocase, 2012, 18, 352-358. | 0.2 | 15 |
| 38 | Controlled Ultrasound-Induced Blood-Brain Barrier Disruption Using Passive Acoustic Emissions Monitoring. PLoS ONE, 2012, 7, e45783. | 1.1 | 150 |
| 39 | Stereopsis and Artistic Talent. Psychological Science, 2011, 22, 336-338. | 1.8 | 11 |
| 40 | Role of Prefrontal Cortex in Conscious Visual Perception. Journal of Neuroscience, 2011, 31, 64-69. | 1.7 | 61 |
| 41 | The benefit of symbols: monkeys show linear, human-like, accuracy when using symbols to represent scalar value. Animal Cognition, 2010, 13, 711-719. | 0.9 | 26 |
| 42 | Crossing the â€˜Uncanny Valleyâ€™: Adaptation to Cartoon Faces Can Influence Perception of Human Faces. Perception, 2010, 39, 378-386. | 0.5 | 39 |
| 43 | Noninvasive functional MRI in alert monkeys. NeuroImage, 2010, 51, 267-273. | 2.1 | 26 |
| 44 | Perceptual and physiological evidence for a role for early visual areas in motion-induced blindness. Journal of Vision, 2009, 9, 14-14. | 0.1 | 28 |
| 45 | Using fMRI to distinguish components of the multiple object tracking task. Journal of Vision, 2009, 9, 10-10. | 0.1 | 93 |
| 46 | A face feature space in the macaque temporal lobe. Nature Neuroscience, 2009, 12, 1187-1196. | 7.1 | 384 |
| 47 | Mechanisms of Face Perception. Annual Review of Neuroscience, 2008, 31, 411-437. | 5.0 | 533 |
| 48 | Multivariate Patterns in Object-Selective Cortex Dissociate Perceptual and Physical Shape Similarity. PLoS Biology, 2008, 6, e187. | 2.6 | 126 |
| 49 | Physiological Mechanisms Underlying Motion-Induced Blindness. Nature Precedings, 2008, , . | 0.1 | 0 |
| 50 | Privileged Coding of Convex Shapes in Human Object-Selective Cortex. Journal of Neurophysiology, 2008, 100, 753-762. | 0.9 | 25 |
| 51 | Cytochrome Oxidase and Neurofilament Reactivity in Monocularly Deprived Human Primary Visual Cortex. Cerebral Cortex, 2007, 17, 1283-1291. | 1.6 | 16 |
| 52 | The double-anchoring theory of lightness perception: A comment on Bressan (2006).. Psychological Review, 2007, 114, 1105-1109. | 2.7 | 5 |
| 53 | Contrast Affects Speed Tuning, Space-Time Slant, and Receptive-Field Organization of Simple Cells in Macaque V1. Journal of Neurophysiology, 2007, 97, 849-857. | 0.9 | 30 |
| 54 | Perspectives on science and art. Current Opinion in Neurobiology, 2007, 17, 476-482. | 2.0 | 31 |

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| 55 | The Use of the Cancellation Technique to Quantify the Hermann Grid Illusion. PLoS ONE, 2007, 2, e265. | 1.1 | 4 |
| 56 | Explaining the footsteps, belly dancer, Wenceslas, and kickback illusions. Journal of Vision, 2006, 6, 5. | 0.1 | 12 |
| 57 | End stopping in V1 is sensitive to contrast. Nature Neuroscience, 2006, 9, 697-702. | 7.1 | 39 |
| 58 | V1 Partially Solves the Stereo Aperture Problem. Cerebral Cortex, 2006, 16, 1332-1337. | 1.6 | 7 |
| 59 | Spatiotemporal Structure of Nonlinear Subunits in Macaque Visual Cortex. Journal of Neuroscience, 2006, 26, 893-907. | 1.7 | 78 |
| 60 | Spatial and Temporal Properties of Cone Signals in Alert Macaque Primary Visual Cortex. Journal of Neuroscience, 2006, 26, 10826-10846. | 1.7 | 137 |
| 61 | A Cortical Region Consisting Entirely of Face-Selective Cells. Science, 2006, 311, 670-674. | 6.0 | 991 |
| 62 | Neural Basis for a Powerful Static Motion Illusion. Journal of Neuroscience, 2005, 25, 5651-5656. | 1.7 | 95 |
| 63 | A different point of hue. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10761-10762. | 3.3 | 16 |
| 64 | Loss of Neurofilament Labeling in the Primary Visual Cortex of Monocularly Deprived Monkeys. Cerebral Cortex, 2005, 15, 1146-1154. | 1.6 | 20 |
| 65 | Directional Inhibition. Neuron, 2005, 45, 5-7. | 3.8 | 10 |
| 66 | Was Rembrandt Stereoblind?. New England Journal of Medicine, 2004, 351, 1264-1265. | 13.9 | 29 |
| 67 | Space-Time Maps and Two-Bar Interactions of Different Classes of Direction-Selective Cells in Macaque V-1. Journal of Neurophysiology, 2003, 89, 2726-2742. | 0.9 | 57 |
| 68 | Two-Dimensional Substructure of Stereo and Motion Interactions in Macaque Visual Cortex. Neuron, 2003, 37, 525-535. | 3.8 | 63 |
| 69 | Receptive Fields of Disparity-Tuned Simple Cells in Macaque V1. Neuron, 2003, 38, 103-114. | 3.8 | 57 |
| 70 | End-Stopping and the Aperture Problem. Neuron, 2003, 39, 671-680. | 3.8 | 158 |
| 71 | Stereopsis Activates V3A and Caudal Intraparietal Areas in Macaques and Humans. Neuron, 2003, 39, 555-568. | 3.8 | 309 |
| 72 | Distribution of Non-phosphorylated Neurofilament in Squirrel Monkey V1 Is Complementary to the Pattern of Cytochrome-oxidase Blobs. Cerebral Cortex, 2003, 13, 722-727. | 1.6 | 7 |

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| 73 | Substructure of Direction-Selective Receptive Fields in Macaque V1. Journal of Neurophysiology, 2003, 89, 2743-2759. | 0.9 | 56 |
| 74 | Color Contrast in Macaque V1. Cerebral Cortex, 2002, 12, 915-925. | 1.6 | 77 |
| 75 | Two-Dimensional Substructure of MT Receptive Fields. Neuron, 2001, 30, 781-793. | 3.8 | 92 |
| 76 | Receptive fields of disparity-selective neurons in macaque striate cortex. Nature Neuroscience, 1999, 2, 825-832. | 7.1 | 39 |
| 77 | Neuronal correlates of visibility and invisibility in the primate visual system. Nature Neuroscience, 1998, 1, 144-149. | 7.1 | 357 |
| 78 | Mechanisms of Direction Selectivity in Macaque V1. Neuron, 1998, 20, 509-526. | 3.8 | 206 |
| 79 | Differences between stereopsis, interocular correlation and binocularity. Vision Research, 1996, 36, 1127-1140. | 0.7 | 21 |
| 80 | Oscillatory firing and interneuronal correlations in squirrel monkey striate cortex. Journal of Neurophysiology, 1996, 75, 2467-2485. | 0.9 | 204 |
| 81 | Ocular dominance columns in New World monkeys. Journal of Neuroscience, 1996, 16, 2086-2096. | 1.7 | 45 |
| 82 | Stereopsis and binocularity in the squirrel monkey. Vision Research, 1995, 35, 345-354. | 0.7 | 30 |
| 83 | Stereopsis and positional acuity under dark adaptation. Vision Research, 1994, 34, 799-802. | 0.7 | 30 |
| 84 | Evidence for a Magnocellular Defect in Developmental Dyslexia. Annals of the New York Academy of Sciences, 1993, 682, 70-82. | 1.8 | 190 |
| 85 | A comment on â€œPerceptual correlates of magnocellular and parvocellular channels: Seeing form and depth in afterimagesâ€. Vision Research, 1991, 31, 1655-1656. | 0.7 | 1 |
| 86 | Physiological and anatomical evidence for a magnocellular defect in developmental dyslexia.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7943-7947. | 3.3 | 838 |
| 87 | Color and contrast sensitivity in the lateral geniculate body and primary visual cortex of the macaque monkey. Journal of Neuroscience, 1990, 10, 2223-2237. | 1.7 | 179 |
| 88 | Color Puzzles. Cold Spring Harbor Symposia on Quantitative Biology, 1990, 55, 643-649. | 2.0 | 14 |
| 89 | Art, Illusion and the Visual System. Scientific American, 1988, 258, 78-85. | 1.0 | 104 |
| 90 | Segregation of form, color, movement, and depth: anatomy, physiology, and perception. Science, 1988, 240, 740-749. | 6.0 | 3,162 |

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| 91 | Do the relative mapping densities of the magno- and parvocellular systems vary with eccentricity?. Journal of Neuroscience, 1988, 8, 4334-4339. | 1.7 | 88 |
| 92 | Segregation of form, color, and stereopsis in primate area 18. Journal of Neuroscience, 1987, 7, 3378-3415. | 1.7 | 746 |
| 93 | Connections between layer 4B of area 17 and the thick cytochrome oxidase stripes of area 18 in the squirrel monkey. Journal of Neuroscience, 1987, 7, 3371-3377. | 1.7 | 242 |
| 94 | Psychophysical evidence for separate channels for the perception of form, color, movement, and depth. Journal of Neuroscience, 1987, 7, 3416-3468. | 1.7 | 1,737 |
| 95 | Genetic dissection of Drosophila adenylate cyclase.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 5992-5996. | 3.3 | 174 |
| 96 | Spatial relationship and extrafoveal vision. Nature, 1985, 315, 285-285. | 13.7 | 36 |
| 97 | Complexâ€“unoriented cells in a subregion of primate area 18. Nature, 1985, 315, 325-327. | 13.7 | 154 |
| 98 | The Well-Modulated Lobster. , 1985, , 339-360. | | 82 |
| 99 | Anatomy and physiology of a color system in the primate visual cortex. Journal of Neuroscience, 1984, 4, 309-356. | 1.7 | 1,578 |
| 100 | Specificity of intrinsic connections in primate primary visual cortex. Journal of Neuroscience, 1984, 4, 2830-2835. | 1.7 | 277 |
| 101 | Loss of calcium/calmodulin responsiveness in adenylate cyclase of rutabaga, a Drosophila learning mutant. Cell, 1984, 37, 205-215. | 13.5 | 613 |
| 102 | The well-modulated lobster: The roles of serotonin, octopamine, and proctolin in the lobster nervous system. Pesticide Biochemistry and Physiology, 1984, 22, 133-147. | 1.6 | 33 |
| 103 | Mutations in the dopa decarboxylase gene affect learning in Drosophila.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 3577-3581. | 3.3 | 148 |
| 104 | Genetic dissection of monoamine neurotransmitter synthesis in Drosophila. Nature, 1983, 303, 67-70. | 13.7 | 223 |
| 105 | Colour-generating interactions across the corpus callosum. Nature, 1983, 303, 616-618. | 13.7 | 103 |
| 106 | Specificity of cortico-cortical connections in monkey visual system. Nature, 1983, 304, 531-534. | 13.7 | 145 |
| 107 | Neurohormones and lobsters: biochemistry to behavior. Trends in Neurosciences, 1983, 6, 345-349. | 4.2 | 31 |
| 108 | The 11th J. A. F. Stevenson Memorial Lecture: Blobs and color vision. Canadian Journal of Physiology and Pharmacology, 1983, 61, 1433-1441. | 0.7 | 7 |

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| 109 | Thalamic inputs to cytochrome oxidase-rich regions in monkey visual cortex.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 6098-6101. | 3.3 | 305 |
| 110 | Biochemistry and ultrastructure of serotonergic nerve endings in the lobster: Serotonin and octopamine are contained in different nerve endings. Journal of Neurobiology, 1981, 12, 27-54. | 3.7 | 129 |
| 111 | Effects of sleep and arousal on the processing of visual information in the cat. Nature, 1981, 291, 554-561. | 13.7 | 569 |
| 112 | Serotonin and Octopamine Produce Opposite Postures in Lobsters. Science, 1980, 208, 76-79. | 6.0 | 380 |
| 113 | Amines and A Peptide As Neurohormones in Lobsters: Actions on Neuromuscular Preparations and Preliminary Behavioural Studies. Journal of Experimental Biology, 1980, 89, 159-175. | 0.8 | 204 |