

Dora E Angelaki

List of Publications by Year in descending order

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153
papers

10,889
citations

38742

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42399

92
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267
all docs

267
docs citations

267
times ranked

4560
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Cognitive, Systems, and Computational Neurosciences of the Self in Motion. Annual Review of Psychology, 2022, 73, 103-129. | 17.7 | 18 |
| 2 | Influence of sensory modality and control dynamics on human path integration. ELife, 2022, 11, . | 6.0 | 7 |
| 3 | Eye movements reveal spatiotemporal dynamics of visually-informed planning in navigation. ELife, 2022, 11, . | 6.0 | 15 |
| 4 | Aberrant causal inference and presence of a compensatory mechanism in autism spectrum disorder. ELife, 2022, 11, . | 6.0 | 14 |
| 5 | Dynamics of Heading and Choice-Related Signals in the Parieto-Insular Vestibular Cortex of Macaque Monkeys. Journal of Neuroscience, 2021, 41, 3254-3265. | 3.6 | 7 |
| 6 | A cross-species neural integration of gravity for motor optimization. Science Advances, 2021, 7, . | 10.3 | 28 |
| 7 | Standardized and reproducible measurement of decision-making in mice. ELife, 2021, 10, . | 6.0 | 88 |
| 8 | Individuals with autism spectrum disorder have altered visual encoding capacity. PLoS Biology, 2021, 19, e3001215. | 5.6 | 61 |
| 9 | Supporting generalization in non-human primate behavior by tapping into structural knowledge: Examples from sensorimotor mappings, inference, and decision-making. Progress in Neurobiology, 2021, 201, 101996. | 5.7 | 14 |
| 10 | Spatial modulation of hippocampal activity in freely moving macaques. Neuron, 2021, 109, 3521-3534.e6. | 8.1 | 55 |
| 11 | Supervised Multisensory Calibration Signals Are Evident in VIP But Not MSTd. Journal of Neuroscience, 2021, 41, 10108-10119. | 3.6 | 9 |
| 12 | The head direction cell network: attractor dynamics, integration within the navigation system, and three-dimensional properties. Current Opinion in Neurobiology, 2020, 60, 136-144. | 4.2 | 22 |
| 13 | Optic flow parsing in the macaque monkey. Journal of Vision, 2020, 20, 8. | 0.3 | 9 |
| 14 | Flexible coding of object motion in multiple reference frames by parietal cortex neurons. Nature Neuroscience, 2020, 23, 1004-1015. | 14.8 | 26 |
| 15 | Tracking the Mind's Eye: Primate Gaze Behavior during Virtual Visuomotor Navigation Reflects Belief Dynamics. Neuron, 2020, 106, 662-674.e5. | 8.1 | 32 |
| 16 | Simple spike dynamics of Purkinje cells in the macaque vestibulo-cerebellum during passive whole-body self-motion. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3232-3238. | 7.1 | 14 |
| 17 | Increased variability but intact integration during visual navigation in Autism Spectrum Disorder. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11158-11166. | 7.1 | 29 |
| 18 | A gravity-based three-dimensional compass in the mouse brain. Nature Communications, 2020, 11, 1855. | 12.8 | 36 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Time Course of Sensory Substitution for Gravity Sensing in Visual Vertical Orientation Perception following Complete Vestibular Loss. <i>ENeuro</i> , 2020, 7, ENEURO.0021-20.2020. | 1.9 | 11 |
| 20 | A model-based reassessment of the three-dimensional tuning of head direction cells in rats. <i>Journal of Neurophysiology</i> , 2019, 122, 1274-1287. | 1.8 | 8 |
| 21 | Causal inference accounts for heading perception in the presence of object motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9060-9065. | 7.1 | 55 |
| 22 | Processing of object motion and self-motion in the lateral subdivision of the medial superior temporal area in macaques. <i>Journal of Neurophysiology</i> , 2019, 121, 1207-1221. | 1.8 | 20 |
| 23 | Genetically eliminating Purkinje neuron GABAergic neurotransmission increases their response gain to vestibular motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3245-3250. | 7.1 | 13 |
| 24 | Visual and Vestibular Selectivity for Self-Motion in Macaque Posterior Parietal Area 7a. <i>Cerebral Cortex</i> , 2019, 29, 3932-3947. | 2.9 | 44 |
| 25 | Choice-Related Activity during Visual Slant Discrimination in Macaque CIP But Not V3A. <i>ENeuro</i> , 2019, 6, ENEURO.0248-18.2019. | 1.9 | 10 |
| 26 | The Brain Compass: A Perspective on How Self-Motion Updates the Head Direction Cell Attractor. <i>Neuron</i> , 2018, 97, 275-289. | 8.1 | 54 |
| 27 | Flexible egocentric and allocentric representations of heading signals in parietal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3305-E3312. | 7.1 | 43 |
| 28 | Clustering of heading selectivity and perception-related activity in the ventral intraparietal area. <i>Journal of Neurophysiology</i> , 2018, 119, 1113-1126. | 1.8 | 10 |
| 29 | Inferring decoding strategies for multiple correlated neural populations. <i>PLoS Computational Biology</i> , 2018, 14, e1006371. | 3.2 | 18 |
| 30 | A Dynamic Bayesian Observer Model Reveals Origins of Bias in Visual Path Integration. <i>Neuron</i> , 2018, 99, 194-206.e5. | 8.1 | 45 |
| 31 | Bayesian comparison of explicit and implicit causal inference strategies in multisensory heading perception. <i>PLoS Computational Biology</i> , 2018, 14, e1006110. | 3.2 | 69 |
| 32 | Construction of an Improved Multi-Tetrode Hyperdrive for Large-Scale Neural Recording in Behaving Rats. <i>Journal of Visualized Experiments</i> , 2018, , . | 0.3 | 8 |
| 33 | Inference in the Brain: Statistics Flowing in Redundant Population Codes. <i>Neuron</i> , 2017, 94, 943-953. | 8.1 | 69 |
| 34 | Dissociation of Self-Motion and Object Motion by Linear Population Decoding That Approximates Marginalization. <i>Journal of Neuroscience</i> , 2017, 37, 11204-11219. | 3.6 | 32 |
| 35 | Decoupled choice-driven and stimulus-related activity in parietal neurons may be misrepresented by choice probabilities. <i>Nature Communications</i> , 2017, 8, 715. | 12.8 | 45 |
| 36 | A Neural Signature of Divisive Normalization at the Level of Multisensory Integration in Primate Cortex. <i>Neuron</i> , 2017, 95, 399-411.e8. | 8.1 | 54 |

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|----|--|------|-----------|
| 37 | An International Laboratory for Systems and Computational Neuroscience. <i>Neuron</i> , 2017, 96, 1213-1218. | 8.1 | 60 |
| 38 | A unified internal model theory to resolve the paradox of active versus passive self-motion sensation. <i>ELife</i> , 2017, 6, . | 6.0 | 47 |
| 39 | Gain Modulation as a Mechanism for Coding Depth from Motion Parallax in Macaque Area MT. <i>Journal of Neuroscience</i> , 2017, 37, 8180-8197. | 3.6 | 12 |
| 40 | Transformation of spatiotemporal dynamics in the macaque vestibular system from otolith afferents to cortex. <i>ELife</i> , 2017, 6, . | 6.0 | 33 |
| 41 | How the Vestibulocerebellum Builds an Internal Model of Self-motion. , 2016, , 97-115. | | 9 |
| 42 | Joint representation of translational and rotational components of optic flow in parietal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 5077-5082. | 7.1 | 30 |
| 43 | Evidence for a Causal Contribution of Macaque Vestibular, But Not Intraparietal, Cortex to Heading Perception. <i>Journal of Neuroscience</i> , 2016, 36, 3789-3798. | 3.6 | 75 |
| 44 | A simple approach to ignoring irrelevant variables by population decoding based on multisensory neurons. <i>Journal of Neurophysiology</i> , 2016, 116, 1449-1467. | 1.8 | 34 |
| 45 | Gravity orientation tuning in macaque anterior thalamus. <i>Nature Neuroscience</i> , 2016, 19, 1566-1568. | 14.8 | 69 |
| 46 | The neural basis of depth perception from motion parallax. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150256. | 4.0 | 26 |
| 47 | Multisensory Convergence of Visual and Vestibular Heading Cues in the Pursuit Area of the Frontal Eye Field. <i>Cerebral Cortex</i> , 2016, 26, 3785-3801. | 2.9 | 50 |
| 48 | Direction-dependent arm kinematics reveal optimal integration of gravity cues. <i>ELife</i> , 2016, 5, . | 6.0 | 64 |
| 49 | Neuronal thresholds and choice-related activity of otolith afferent fibers during heading perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6467-6472. | 7.1 | 26 |
| 50 | Heading Tuning in Macaque Area V6. <i>Journal of Neuroscience</i> , 2015, 35, 16303-16314. | 3.6 | 36 |
| 51 | A novel role for visual perspective cues in the neural computation of depth. <i>Nature Neuroscience</i> , 2015, 18, 129-137. | 14.8 | 37 |
| 52 | Multisensory Self-Motion Compensation During Object Trajectory Judgments. <i>Cerebral Cortex</i> , 2015, 25, 619-630. | 2.9 | 38 |
| 53 | A Functional Link between MT Neurons and Depth Perception Based on Motion Parallax. <i>Journal of Neuroscience</i> , 2015, 35, 2766-2777. | 3.6 | 23 |
| 54 | Dissecting neural circuits for multisensory integration and crossmodal processing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140203. | 4.0 | 46 |

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|----|---|------|-----------|
| 55 | A computational perspective on autism. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9158-9165. | 7.1 | 139 |
| 56 | How Can Single Sensory Neurons Predict Behavior?. Neuron, 2015, 87, 411-423. | 8.1 | 123 |
| 57 | Self-motion perception in autism is compromised by visual noise but integrated optimally across multiple senses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6461-6466. | 7.1 | 69 |
| 58 | Reply to Lawson et al.: A synergistic approach to mental health research. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5227-E5227. | 7.1 | 1 |
| 59 | Multisensory Integration of Visual and Vestibular Signals Improves Heading Discrimination in the Presence of a Moving Object. Journal of Neuroscience, 2015, 35, 13599-13607. | 3.6 | 50 |
| 60 | Role of visual and non-visual cues in constructing a rotation-invariant representation of heading in parietal cortex. ELife, 2015, 4, . | 6.0 | 27 |
| 61 | Tuning the speed-accuracy trade-off to maximize reward rate in multisensory decision-making. ELife, 2015, 4, e06678. | 6.0 | 55 |
| 62 | Eye-centered visual receptive fields in the ventral intraparietal area. Journal of Neurophysiology, 2014, 112, 353-361. | 1.8 | 26 |
| 63 | Gravity Influences the Visual Representation of Object Tilt in Parietal Cortex. Journal of Neuroscience, 2014, 34, 14170-14180. | 3.6 | 38 |
| 64 | Reliability-dependent contributions of visual orientation cues in parietal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18043-18048. | 7.1 | 30 |
| 65 | Models and processes of multisensory cue combination. Current Opinion in Neurobiology, 2014, 25, 38-46. | 4.2 | 89 |
| 66 | Long-term deficits in motion detection thresholds and spike count variability after unilateral vestibular lesion. Journal of Neurophysiology, 2014, 112, 870-889. | 1.8 | 22 |
| 67 | How Optic Flow and Inertial Cues Improve Motion Perception. Cold Spring Harbor Symposia on Quantitative Biology, 2014, 79, 141-148. | 1.1 | 8 |
| 68 | Contribution of correlated noise and selective decoding to choice probability measurements in extrastriate visual cortex. ELife, 2014, 3, . | 6.0 | 36 |
| 69 | Optimal multisensory decision-making in a reaction-time task. ELife, 2014, 3, . | 6.0 | 108 |
| 70 | Neural Representation of Orientation Relative to Gravity in the Macaque Cerebellum. Neuron, 2013, 80, 1508-1518. | 8.1 | 100 |
| 71 | Choice-related activity and correlated noise in subcortical vestibular neurons. Nature Neuroscience, 2013, 16, 89-97. | 14.8 | 73 |
| 72 | Supervised Calibration Relies on the Multisensory Percept. Neuron, 2013, 80, 1544-1557. | 8.1 | 48 |

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|----|---|------|-----------|
| 73 | Computation of linear acceleration through an internal model in the macaque cerebellum. <i>Nature Neuroscience</i> , 2013, 16, 1701-1708. | 14.8 | 81 |
| 74 | Diverse Spatial Reference Frames of Vestibular Signals in Parietal Cortex. <i>Neuron</i> , 2013, 80, 1310-1321. | 8.1 | 84 |
| 75 | Functional Specializations of the Ventral Intraparietal Area for Multisensory Heading Discrimination. <i>Journal of Neuroscience</i> , 2013, 33, 3567-3581. | 3.6 | 118 |
| 76 | Reduced choice-related activity and correlated noise accompany perceptual deficits following unilateral vestibular lesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17999-18004. | 7.1 | 21 |
| 77 | Spatiotemporal Properties of Optic Flow and Vestibular Tuning in the Cerebellar Nodulus and Uvula. <i>Journal of Neuroscience</i> , 2013, 33, 15145-15160. | 3.6 | 24 |
| 78 | Joint Representation of Depth from Motion Parallax and Binocular Disparity Cues in Macaque Area MT. <i>Journal of Neuroscience</i> , 2013, 33, 14061-14074. | 3.6 | 32 |
| 79 | Detection Thresholds of Macaque Otolith Afferents. <i>Journal of Neuroscience</i> , 2012, 32, 8306-8316. | 3.6 | 53 |
| 80 | Vestibular Facilitation of Optic Flow Parsing. <i>PLoS ONE</i> , 2012, 7, e40264. | 2.5 | 45 |
| 81 | Neural correlates of reliability-based cue weighting during multisensory integration. <i>Nature Neuroscience</i> , 2012, 15, 146-154. | 14.8 | 372 |
| 82 | Visual and vestibular cue integration for heading perception in extrastriate visual cortex. <i>Journal of Physiology</i> , 2011, 589, 825-833. | 2.9 | 80 |
| 83 | The functional significance of velocity storage and its dependence on gravity. <i>Experimental Brain Research</i> , 2011, 210, 407-422. | 1.5 | 162 |
| 84 | Representation of Vestibular and Visual Cues to Self-Motion in Ventral Intraparietal Cortex. <i>Journal of Neuroscience</i> , 2011, 31, 12036-12052. | 3.6 | 198 |
| 85 | Response Dynamics and Tilt versus Translation Discrimination in Parietoinsular Vestibular Cortex. <i>Cerebral Cortex</i> , 2011, 21, 563-573. | 2.9 | 28 |
| 86 | A Comparison of Vestibular Spatiotemporal Tuning in Macaque Parietoinsular Vestibular Cortex, Ventral Intraparietal Area, and Medial Superior Temporal Area. <i>Journal of Neuroscience</i> , 2011, 31, 3082-3094. | 3.6 | 100 |
| 87 | Convergence of Vestibular and Visual Self-Motion Signals in an Area of the Posterior Sylvian Fissure. <i>Journal of Neuroscience</i> , 2011, 31, 11617-11627. | 3.6 | 156 |
| 88 | Canal-Otolith Interactions and Detection Thresholds of Linear and Angular Components During Curved-Path Self-Motion. <i>Journal of Neurophysiology</i> , 2010, 104, 765-773. | 1.8 | 39 |
| 89 | Computation of Egomotion in the Macaque Cerebellar Vermis. <i>Cerebellum</i> , 2010, 9, 174-182. | 2.5 | 52 |
| 90 | Multisensory integration: resolving sensory ambiguities to build novel representations. <i>Current Opinion in Neurobiology</i> , 2010, 20, 353-360. | 4.2 | 82 |

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|-----|--|------|-----------|
| 91 | Relationship between Complex and Simple Spike Activity in Macaque Caudal Vermis during Three-Dimensional Vestibular Stimulation. <i>Journal of Neuroscience</i> , 2010, 30, 8111-8126. | 3.6 | 36 |
| 92 | Macaque Parieto-Insular Vestibular Cortex: Responses to Self-Motion and Optic Flow. <i>Journal of Neuroscience</i> , 2010, 30, 3022-3042. | 3.6 | 186 |
| 93 | Responses of Ventral Posterior Thalamus Neurons to Three-Dimensional Vestibular and Optic Flow Stimulation. <i>Journal of Neurophysiology</i> , 2010, 103, 817-826. | 1.8 | 32 |
| 94 | Decoding of MSTd Population Activity Accounts for Variations in the Precision of Heading Perception. <i>Neuron</i> , 2010, 66, 596-609. | 8.1 | 173 |
| 95 | Optokinetic and Vestibular Responsiveness in the Macaque Rostral Vestibular and Fastigial Nuclei. <i>Journal of Neurophysiology</i> , 2009, 101, 714-720. | 1.8 | 28 |
| 96 | Vestibular Signals in Macaque Extrastriate Visual Cortex Are Functionally Appropriate for Heading Perception. <i>Journal of Neuroscience</i> , 2009, 29, 8936-8945. | 3.6 | 43 |
| 97 | Does the Middle Temporal Area Carry Vestibular Signals Related to Self-Motion?. <i>Journal of Neuroscience</i> , 2009, 29, 12020-12030. | 3.6 | 49 |
| 98 | Multisensory integration: psychophysics, neurophysiology, and computation. <i>Current Opinion in Neurobiology</i> , 2009, 19, 452-458. | 4.2 | 316 |
| 99 | How Vestibular Neurons Solve the Tilt/Translation Ambiguity. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 19-28. | 3.8 | 66 |
| 100 | MT Neurons Combine Visual Motion with a Smooth Eye Movement Signal to Code Depth-Sign from Motion Parallax. <i>Neuron</i> , 2009, 63, 523-532. | 8.1 | 56 |
| 101 | A Vestibular Sensation: Probabilistic Approaches to Spatial Perception. <i>Neuron</i> , 2009, 64, 448-461. | 8.1 | 90 |
| 102 | Dynamic Reweighting of Visual and Vestibular Cues during Self-Motion Perception. <i>Journal of Neuroscience</i> , 2009, 29, 15601-15612. | 3.6 | 347 |
| 103 | A neural representation of depth from motion parallax in macaque visual cortex. <i>Nature</i> , 2008, 452, 642-645. | 27.8 | 100 |
| 104 | Neural correlates of multisensory cue integration in macaque MSTd. <i>Nature Neuroscience</i> , 2008, 11, 1201-1210. | 14.8 | 497 |
| 105 | Vestibular System: The Many Facets of a Multimodal Sense. <i>Annual Review of Neuroscience</i> , 2008, 31, 125-150. | 10.7 | 729 |
| 106 | Computational Approaches to Spatial Orientation: From Transfer Functions to Dynamic Bayesian Inference. <i>Journal of Neurophysiology</i> , 2008, 100, 2981-2996. | 1.8 | 92 |
| 107 | Frequency-Selective Coding of Translation and Tilt in Macaque Cerebellar Nodulus and Uvula. <i>Journal of Neuroscience</i> , 2008, 28, 9997-10009. | 3.6 | 53 |
| 108 | Clustering of Self-Motion Selectivity and Visual Response Properties in Macaque Area MSTd. <i>Journal of Neurophysiology</i> , 2008, 100, 2669-2683. | 1.8 | 39 |

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| 109 | Multimodal Coding of Three-Dimensional Rotation and Translation in Area MSTd: Comparison of Visual and Vestibular Selectivity. <i>Journal of Neuroscience</i> , 2007, 27, 9742-9756. | 3.6 | 178 |
| 110 | Vestibular Signals in Primate Thalamus: Properties and Origins. <i>Journal of Neuroscience</i> , 2007, 27, 13590-13602. | 3.6 | 123 |
| 111 | Purkinje Cells in Posterior Cerebellar Vermis Encode Motion in an Inertial Reference Frame. <i>Neuron</i> , 2007, 54, 973-985. | 8.1 | 176 |
| 112 | A functional link between area MSTd and heading perception based on vestibular signals. <i>Nature Neuroscience</i> , 2007, 10, 1038-1047. | 14.8 | 269 |
| 113 | Neural Correlates of the Dependence of Compensatory Eye Movements During Translation on Target Distance and Eccentricity. <i>Journal of Neurophysiology</i> , 2006, 95, 2530-2540. | 1.8 | 19 |
| 114 | Visual and Nonvisual Contributions to Three-Dimensional Heading Selectivity in the Medial Superior Temporal Area. <i>Journal of Neuroscience</i> , 2006, 26, 73-85. | 3.6 | 271 |
| 115 | Self-motion-induced eye movements: effects on visual acuity and navigation. <i>Nature Reviews Neuroscience</i> , 2005, 6, 966-976. | 10.2 | 87 |
| 116 | Sensory Convergence Solves a Motion Ambiguity Problem. <i>Current Biology</i> , 2005, 15, 1657-1662. | 3.9 | 67 |
| 117 | Properties of Cerebellar Fastigial Neurons During Translation, Rotation, and Eye Movements. <i>Journal of Neurophysiology</i> , 2005, 93, 853-863. | 1.8 | 77 |
| 118 | Pursuit-Vestibular Interactions in Brain Stem Neurons During Rotation and Translation. <i>Journal of Neurophysiology</i> , 2005, 93, 3418-3433. | 1.8 | 41 |
| 119 | Sensory vestibular contributions to constructing internal models of self-motion. <i>Journal of Neural Engineering</i> , 2005, 2, S164-S179. | 3.5 | 80 |
| 120 | Control of eye orientation: where does the brain's role end and the muscle's begin?. <i>European Journal of Neuroscience</i> , 2004, 19, 1-10. | 2.6 | 84 |
| 121 | Neurons compute internal models of the physical laws of motion. <i>Nature</i> , 2004, 430, 560-564. | 27.8 | 300 |
| 122 | Spatial tuning and dynamics of vestibular semicircular canal afferents in rhesus monkeys. <i>Experimental Brain Research</i> , 2004, 155, 81-90. | 1.5 | 58 |
| 123 | Eyes on Target: What Neurons Must do for the Vestibuloocular Reflex During Linear Motion. <i>Journal of Neurophysiology</i> , 2004, 92, 20-35. | 1.8 | 125 |
| 124 | Foveal Versus Full-Field Visual Stabilization Strategies for Translational and Rotational Head Movements. <i>Journal of Neuroscience</i> , 2003, 23, 1104-1108. | 3.6 | 36 |
| 125 | Premotor Neurons Encode Torsional Eye Velocity during Smooth-Pursuit Eye Movements. <i>Journal of Neuroscience</i> , 2003, 23, 2971-2979. | 3.6 | 26 |
| 126 | Three-Dimensional Ocular Kinematics During Eccentric Rotations: Evidence for Functional Rather Than Mechanical Constraints. <i>Journal of Neurophysiology</i> , 2003, 89, 2685-2696. | 1.8 | 25 |

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| 127 | Gravity or translation: Central processing of vestibular signals to detect motion or tilt. Journal of Vestibular Research: Equilibrium and Orientation, 2003, 13, 245-253. | 2.0 | 20 |
| 128 | Gravity or translation: central processing of vestibular signals to detect motion or tilt. Journal of Vestibular Research: Equilibrium and Orientation, 2003, 13, 245-53. | 2.0 | 13 |
| 129 | Vestibular Convergence Patterns in Vestibular Nuclei Neurons of Alert Primates. Journal of Neurophysiology, 2002, 88, 3518-3533. | 1.8 | 134 |
| 130 | Inactivation of Semicircular Canals Causes Adaptive Increases in Otolith-Driven Tilt Responses. Journal of Neurophysiology, 2002, 87, 1635-1640. | 1.8 | 25 |
| 131 | Cross-axis adaptation of the translational vestibulo-ocular reflex. Experimental Brain Research, 2001, 138, 304-312. | 1.5 | 13 |
| 132 | Head unrestrained horizontal gaze shifts after unilateral labyrinthectomy in the rhesus monkey. Experimental Brain Research, 2001, 140, 25-33. | 1.5 | 22 |
| 133 | Vestibular Discrimination of Gravity and Translational Acceleration. Annals of the New York Academy of Sciences, 2001, 942, 114-127. | 3.8 | 39 |
| 134 | Low-frequency otolith and semicircular canal interactions after canal inactivation. Experimental Brain Research, 2000, 132, 539-549. | 1.5 | 38 |
| 135 | Primate Translational Vestibuloocular Reflexes. I. High-Frequency Dynamics and Three-Dimensional Properties During Lateral Motion. Journal of Neurophysiology, 2000, 83, 1637-1647. | 1.8 | 49 |
| 136 | Primate Translational Vestibuloocular Reflexes. IV. Changes After Unilateral Labyrinthectomy. Journal of Neurophysiology, 2000, 83, 3005-3018. | 1.8 | 30 |
| 137 | Spatiotemporal Processing of Linear Acceleration: Primary Afferent and Central Vestibular Neuron Responses. Journal of Neurophysiology, 2000, 84, 2113-2132. | 1.8 | 158 |
| 138 | Computation of Inertial Motion: Neural Strategies to Resolve Ambiguous Otolith Information. Journal of Neuroscience, 1999, 19, 316-327. | 3.6 | 288 |
| 139 | Oculomotor Control of Primary Eye Position Discriminates Between Translation and Tilt. Journal of Neurophysiology, 1999, 81, 394-398. | 1.8 | 43 |
| 140 | Functional Organization of Primate Translational Vestibulo-Ocular Reflexes and Effects of Unilateral Labyrinthectomy. Annals of the New York Academy of Sciences, 1999, 871, 136-147. | 3.8 | 8 |
| 141 | Inertial Processing of Vestibulo-Ocular Signals. Annals of the New York Academy of Sciences, 1999, 871, 148-161. | 3.8 | 16 |
| 142 | Three-dimensional organization of vestibular-related eye movements to off-vertical axis rotation and linear translation in pigeons. Experimental Brain Research, 1999, 129, 0391-0400. | 1.5 | 24 |
| 143 | Visually Induced Adaptation in Three-Dimensional Organization of Primate Vestibuloocular Reflex. Journal of Neurophysiology, 1998, 79, 791-807. | 1.8 | 21 |
| 144 | Kinematic Principles of Primate Rotational Vestibulo-Ocular Reflex II. Gravity-Dependent Modulation of Primary Eye Position. Journal of Neurophysiology, 1997, 78, 2203-2216. | 1.8 | 34 |

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|-----|--|-----|-----------|
| 145 | Response properties of pigeon otolith afferents to linear acceleration. <i>Experimental Brain Research</i> , 1997, 117, 242-250. | 1.5 | 60 |
| 146 | Spatial and temporal coding in single neurons. <i>Biological Cybernetics</i> , 1993, 69, 147-154. | 1.3 | 22 |
| 147 | Non-uniform temporal scaling of hand and finger kinematics during typing. <i>Experimental Brain Research</i> , 1993, 95, 319-29. | 1.5 | 4 |
| 148 | The Algebra of Neural Response Vectors. <i>Annals of the New York Academy of Sciences</i> , 1992, 656, 190-204. | 3.8 | 53 |
| 149 | Vestibular Neurons Encoding Two-Dimensional Linear Acceleration Assist in the Estimation of Rotational Velocity during Off-Vertical Axis Rotation. <i>Annals of the New York Academy of Sciences</i> , 1992, 656, 910-913. | 3.8 | 14 |
| 150 | Two-dimensional coding of linear acceleration and the angular velocity sensitivity of the otolith system. <i>Biological Cybernetics</i> , 1992, 67, 511-521. | 1.3 | 55 |
| 151 | Detection of rotating gravity signals. <i>Biological Cybernetics</i> , 1992, 67, 523-533. | 1.3 | 29 |
| 152 | Spatio-temporal convergence (STC) in otolith neurons. <i>Biological Cybernetics</i> , 1992, 67, 83-96. | 1.3 | 44 |
| 153 | A neural mechanism for detecting object motion during self-motion. <i>ELife</i> , 0, 11, . | 6.0 | 5 |