

# Faisal Karmali

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

818  
citations

471509

17  
h-index

552781

26  
g-index

34  
all docs

34  
docs citations

34  
times ranked

423  
citing authors

#	ARTICLE	IF	CITATIONS
1	The dynamics of parabolic flight: Flight characteristics and passenger percepts. <i>Acta Astronautica</i> , 2008, 63, 594-602.	3.2	85
2	Visual and vestibular perceptual thresholds each demonstrate better precision at specific frequencies and also exhibit optimal integration. <i>Journal of Neurophysiology</i> , 2014, 111, 2393-2403.	1.8	61
3	Determining thresholds using adaptive procedures and psychometric fits: evaluating efficiency using theory, simulations, and human experiments. <i>Experimental Brain Research</i> , 2016, 234, 773-789.	1.5	59
4	Perceptual precision of passive body tilt is consistent with statistically optimal cue integration. <i>Journal of Neurophysiology</i> , 2017, 117, 2037-2052.	1.8	58
5	Multivariate Analyses of Balance Test Performance, Vestibular Thresholds, and Age. <i>Frontiers in Neurology</i> , 2017, 8, 578.	2.4	57
6	Whole body motion-detection tasks can yield much lower thresholds than direction-recognition tasks: implications for the role of vibration. <i>Journal of Neurophysiology</i> , 2013, 110, 2764-2772.	1.8	46
7	A distributed, dynamic, parallel computational model: the role of noise in velocity storage. <i>Journal of Neurophysiology</i> , 2012, 108, 390-405.	1.8	45
8	The role of vestibular cues in postural sway. <i>Journal of Neurophysiology</i> , 2021, 125, 672-686.	1.8	33
9	Bayesian optimal adaptation explains age-related human sensorimotor changes. <i>Journal of Neurophysiology</i> , 2018, 119, 509-520.	1.8	32
10	Mental own-body and body-part transformations in microgravity. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2008, 17, 279-287.	2.0	31
11	The Impact of Oral Promethazine on Human Whole-Body Motion Perceptual Thresholds. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2017, 18, 581-590.	1.8	30
12	Vestibular Precision at the Level of Perception, Eye Movements, Posture, and Neurons. <i>Neuroscience</i> , 2021, 468, 282-320.	2.3	29
13	Variability in the Vestibulo-Ocular Reflex and Vestibular Perception. <i>Neuroscience</i> , 2018, 393, 350-365.	2.3	27
14	Mental own-body and body-part transformations in microgravity. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2007, 17, 279-87.	2.0	26
15	Mathematical models for dynamic, multisensory spatial orientation perception. <i>Progress in Brain Research</i> , 2019, 248, 65-90.	1.4	25
16	Vestibular roll tilt thresholds partially mediate age-related effects on balance. <i>Progress in Brain Research</i> , 2019, 248, 249-267.	1.4	22
17	Human manual control precision depends on vestibular sensory precision and gravitational magnitude. <i>Journal of Neurophysiology</i> , 2018, 120, 3187-3197.	1.8	20
18	Dynamics of individual perceptual decisions. <i>Journal of Neurophysiology</i> , 2016, 115, 39-59.	1.8	19

#	ARTICLE	IF	CITATIONS
19	Neurovestibular considerations for sub-orbital space flight: A framework for future investigation. Journal of Vestibular Research: Equilibrium and Orientation, 2010, 20, 31-43.	2.0	13
20	Spatial and temporal properties of eye movements produced by electrical stimulation of semicircular canal afferents. Journal of Neurophysiology, 2012, 108, 1511-1520.	1.8	12
21	An Implanted Vestibular Prosthesis Improves Spatial Orientation in Animals with Severe Vestibular Damage. Journal of Neuroscience, 2021, 41, 3879-3888.	3.6	12
22	Human perception of whole body roll-tilt orientation in a hypogravity analog: underestimation and adaptation. Journal of Neurophysiology, 2018, 120, 3110-3121.	1.8	11
23	The velocity storage time constant: Balancing between accuracy and precision. Progress in Brain Research, 2019, 248, 269-276.	1.4	11
24	Vertical skew due to changes in gravito-inertial force: A possible consequence of otolith asymmetry. Journal of Vestibular Research: Equilibrium and Orientation, 2006, 16, 117-125.	2.0	8
25	Imbalance and dizziness caused by unilateral vestibular schwannomas correlate with vestibulo-ocular reflex precision and bias. Journal of Neurophysiology, 2022, 127, 596-606.	1.8	7
26	Compensating for Camera Translation in Video Eye Movement Recordings by Tracking a Landmark Selected Automatically by a Genetic Algorithm. , 2006, 2006, 5298-301.		6
27	Thresholds for Human Perception of Roll Tilt Motion. Otology and Neurotology, 2014, 35, 857-860.	1.3	6
28	Vertical skew due to changes in gravito-inertial force: a possible consequence of otolith asymmetry. Journal of Vestibular Research: Equilibrium and Orientation, 2006, 16, 117-25.	2.0	6
29	Automatic Detection of Camera Translation in Eye Video Recordings using Multiple Methods. Annals of the New York Academy of Sciences, 2005, 1039, 470-476.	3.8	4
30	Development of a countermeasure to enhance sensorimotor adaptation to altered gravity levels. , 2016, , .		4
31	Perception of threshold-level whole-body motion during mechanical mastoid vibration. Journal of Vestibular Research: Equilibrium and Orientation, 2018, 28, 283-294.	2.0	4
32	How Peripheral Vestibular Damage Affects Velocity Storage: a Causative Explanation. JARO - Journal of the Association for Research in Otolaryngology, 0, , .	1.8	4
33	The influence of target distance on perceptual self-motion thresholds and the vestibulo-ocular reflex during interaural translation. Progress in Brain Research, 2019, 248, 197-208.	1.4	3
34	Compensating for camera translation in video eye-movement recordings by tracking a representative landmark selected automatically by a genetic algorithm. Journal of Neuroscience Methods, 2009, 176, 157-165.	2.5	2