Torin K Clark

List of Publications by Year in Descending Order

37 papers	365 citations	10 h-index	18 g-index
42 ext. papers	500 ext. citations	3.1 avg, IF	3.88 L-index

#	Paper	IF	Citations
37	Effects of Spaceflight on the Vestibular System **2022**, 273-311		
36	A Machine Learning Approach to Identify Stochastic Resonance in Human Perceptual Thresholds.. *Journal of Neuroscience Methods*, **2022**, 109559	3	
35	The Effect of Noisy Galvanic Vestibular Stimulation on Learning of Functional Mobility and Manual Control Nulling Sensorimotor Tasks. *Frontiers in Human Neuroscience*, **2021**, 15, 756674	3.3	0
34	COMPASS: Computations for Orientation and Motion Perception in Altered Sensorimotor States. *Frontiers in Neural Circuits*, **2021**, 15, 757817	3.5	0
33	Galvanic Vestibular Stimulation Produces Cross-Modal Improvements in Visual Thresholds. *Frontiers in Neuroscience*, **2021**, 15, 640984	5.1	3
32	Statistical approaches to identifying lapses in psychometric response data. *Psychonomic Bulletin and Review*, **2021**, 28, 1433-1457	4.1	6
31	Development of an Achievability Propellant Limit Algorithm for a Piloted, Lunar Lander. *Journal of Spacecraft and Rockets*, **2020**, 57, 484-495	1.5	0
30	Human vestibular perceptual thresholds for pitch tilt are slightly worse than for roll tilt across a range of frequencies. *Experimental Brain Research*, **2020**, 238, 1499-1509	2.3	8
29	The Confidence Database. *Nature Human Behaviour*, **2020**, 4, 317-325	12.8	32
28	Sensorimotor impairment from a new analog of spaceflight-altered neurovestibular cues. *Journal of Neurophysiology*, **2020**, 123, 209-223	3.2	3
27	**2020**,		1
26	Improved feasibility of astronaut short-radius artificial gravity through a 50-day incremental, personalized, vestibular acclimation protocol. *Npj Microgravity*, **2020**, 6, 22	5.3	1
25	Tolerable acclimation to the cross-coupled illusion through a 10-day, incremental, personalized protocol. *Journal of Vestibular Research: Equilibrium and Orientation*, **2019**, 29, 97-110	2.5	3
24	A standardized, incremental protocol to increase human tolerance to the cross-coupled illusion. *Journal of Vestibular Research: Equilibrium and Orientation*, **2019**, 29, 229-240	2.5	1
23	Mathematical models for dynamic, multisensory spatial orientation perception. *Progress in Brain Research*, **2019**, 248, 65-90	2.9	10
22	Tolerable Acclimation to the Cross-Coupled Illusion through a 10-day, Incremental, Personalized Protocol. *Journal of Vestibular Research: Equilibrium and Orientation*, **2019**, 1-14	2.5	
21	Effects of Spaceflight on the Vestibular System **2019**, 1-39		4

20	A Mathematical Model-based Metric of Spatial Disorientation for Use in Triggering Active Countermeasures. *Proceedings of the Human Factors and Ergonomics Society*, **2019**, 63, 1724-1728	0.4	0
19	When uncertain, does human self-motion decision-making fully utilize complete information?. *Journal of Neurophysiology*, **2018**, 119, 1485-1496	3.2	5
18	Human manual control precision depends on vestibular sensory precision and gravitational magnitude. *Journal of Neurophysiology*, **2018**, 120, 3187-3197	3.2	15
17	Intraocular pressure and cardiovascular alterations investigated in artificial gravity as a countermeasure to spaceflight associated neuro-ocular syndrome. *Journal of Applied Physiology*, **2018**, 125, 567-576	3.7	9
16	Analysis of artificial gravity paradigms using a mathematical model of spatial orientation. *Acta Astronautica*, **2018**, 152, 602-610	2.9	4
15	Human perception of whole body roll-tilt orientation in a hypogravity analog: underestimation and adaptation. *Journal of Neurophysiology*, **2018**, 120, 3110-3121	3.2	8
14	**2018**,		5
13	A Case Study of Human Roll Tilt Perception in Hypogravity. *Aerospace Medicine and Human Performance*, **2017**, 88, 682-687	1.1	7
12	Multivariate Analyses of Balance Test Performance, Vestibular Thresholds, and Age. *Frontiers in Neurology*, **2017**, 8, 578	4.1	36
11	Balance Screening of Vestibular Function in Subjects Aged 4 Years and Older: A Living Laboratory Experience. *Frontiers in Neurology*, **2017**, 8, 631	4.1	8
10	The Impact of Oral Promethazine on Human Whole-Body Motion Perceptual Thresholds. *JARO - Journal of the Association for Research in Otolaryngology*, **2017**, 18, 581-590	3.3	26
9	Dynamics of individual perceptual decisions. *Journal of Neurophysiology*, **2016**, 115, 39-59	3.2	16
8	Vestibular Perceptual Thresholds Increase above the Age of 40. *Frontiers in Neurology*, **2016**, 7, 162	4.1	70
7	Development of a countermeasure to enhance sensorimotor adaptation to altered gravity levels **2016**,		4
6	Human manual control performance in hyper-gravity. *Experimental Brain Research*, **2015**, 233, 1409-20	2.3	15
5	Human perceptual overestimation of whole body roll tilt in hypergravity. *Journal of Neurophysiology*, **2015**, 113, 2062-77	3.2	29
4	Modeling human perception of orientation in altered gravity. *Frontiers in Systems Neuroscience*, **2015**, 9, 68	3.5	23
3	Human Spatial Orientation Perception During Simulated Lunar Landing Motions. *Journal of Spacecraft and Rockets*, **2014**, 51, 267-280	1.5	2

2	Numerical simulation of human orientation perception during lunar landing. *Acta Astronautica*, **2011**, 69, 420-428	2.9	8
1	The Confidence Database		2