

Thomas A Stoffregen

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

3,847
citations

185998

28
h-index

133063

59
g-index

81
all docs

81
docs citations

81
times ranked

1818
citing authors

#	ARTICLE	IF	CITATIONS
1	An ecological Theory of Motion Sickness and Postural Instability. <i>Ecological Psychology</i> , 1991, 3, 195-240.	0.7	559
2	The virtual reality head-mounted display Oculus Rift induces motion sickness and is sexist in its effects. <i>Experimental Brain Research</i> , 2017, 235, 889-901.	0.7	353
3	Postural instability precedes motion sickness. <i>Brain Research Bulletin</i> , 1998, 47, 437-448.	1.4	306
4	On specification and the senses. <i>Behavioral and Brain Sciences</i> , 2001, 24, 195-213.	0.4	235
5	Motion Sickness, Console Video Games, and Head-Mounted Displays. <i>Human Factors</i> , 2007, 49, 920-934.	2.1	188
6	An Ecological Critique of the Sensory Conflict Theory of Motion Sickness. <i>Ecological Psychology</i> , 1991, 3, 159-194.	0.7	144
7	Postural Instability and Motion Sickness in a Fixed-Base Flight Simulator. <i>Human Factors</i> , 2000, 42, 458-469.	2.1	143
8	Motion Sickness and Postural Sway in Console Video Games. <i>Human Factors</i> , 2008, 50, 322-331.	2.1	111
9	Postural Instability and Motion Sickness in a Virtual Moving Room. <i>Human Factors</i> , 2008, 50, 332-345.	2.1	100
10	Postural Stabilization of Perceptual But Not Cognitive Performance. <i>Journal of Motor Behavior</i> , 2007, 39, 126-138.	0.5	97
11	Identifying Causes of and Solutions for Cybersickness in Immersive Technology: Reformulation of a Research and Development Agenda. <i>International Journal of Human-Computer Interaction</i> , 2020, 36, 1783-1803.	3.3	86
12	Control of a virtual vehicle influences postural activity and motion sickness.. <i>Journal of Experimental Psychology: Applied</i> , 2011, 17, 128-138.	0.9	84
13	Getting Your Sea Legs. <i>PLoS ONE</i> , 2013, 8, e66949.	1.1	81
14	Motion sickness preceded by unstable displacements of the center of pressure. <i>Human Movement Science</i> , 2006, 25, 800-820.	0.6	77
15	Stance Width Influences Postural Stability and Motion Sickness. <i>Ecological Psychology</i> , 2010, 22, 169-191.	0.7	77
16	Postural activity and motion sickness during video game play in children and adults. <i>Experimental Brain Research</i> , 2012, 217, 299-309.	0.7	73
17	Nintendo Wii Balance Board is sensitive to effects of visual tasks on standing sway in healthy elderly adults. <i>Gait and Posture</i> , 2012, 36, 605-608.	0.6	62
18	Motion control, motion sickness, and the postural dynamics of mobile devices. <i>Experimental Brain Research</i> , 2014, 232, 1389-1397.	0.7	57

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19	Sex differences in visual performance and postural sway precede sex differences in visually induced motion sickness. <i>Experimental Brain Research</i> , 2016, 234, 313-322.	0.7	54
20	Movement in the Perception of an Affordance for Wheelchair Locomotion. <i>Ecological Psychology</i> , 2009, 21, 1-36.	0.7	51
21	The Senses Considered as One Perceptual System. <i>Ecological Psychology</i> , 2017, 29, 165-197.	0.7	50
22	Postural sway in men and women during nauseogenic motion of the illuminated environment. <i>Experimental Brain Research</i> , 2016, 234, 2709-2720.	0.7	46
23	Cybersickness in Virtual Reality Head-Mounted Displays: Examining the Influence of Sex Differences and Vehicle Control. <i>International Journal of Human-Computer Interaction</i> , 2020, 36, 1161-1167.	3.3	42
24	Motion sickness, body movement, and claustrophobia during passive restraint. <i>Experimental Brain Research</i> , 2007, 177, 520-532.	0.7	40
25	Voluntary and Involuntary Postural Responses to Imposed Optic Flow. <i>Motor Control</i> , 2006, 10, 24-33.	0.3	36
26	Control of a Virtual Avatar Influences Postural Activity and Motion Sickness. <i>Ecological Psychology</i> , 2012, 24, 279-299.	0.7	34
27	Effects of decades of physical driving on body movement and motion sickness during virtual driving. <i>PLoS ONE</i> , 2017, 12, e0187120.	1.1	34
28	The distance of visual targets affects the spatial magnitude and multifractal scaling of standing body sway in younger and older adults. <i>Experimental Brain Research</i> , 2016, 234, 2721-2730.	0.7	33
29	Standing body sway in women with and without morning sickness in pregnancy. <i>Gait and Posture</i> , 2013, 37, 103-107.	0.6	32
30	Body load and the postural precursors of motion sickness. <i>Gait and Posture</i> , 2014, 39, 606-610.	0.6	29
31	Passive restraint reduces visually induced motion sickness in older adults.. <i>Journal of Experimental Psychology: Applied</i> , 2017, 23, 85-99.	0.9	28
32	Hierarchical nesting of affordances in a tool use task.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016, 42, 1627-1642.	0.7	28
33	Affordances in the design of enactive systems. <i>Virtual Reality</i> , 2006, 10, 4-10.	4.1	26
34	Body Sway at Sea for Two Visual Tasks and Three Stance Widths. <i>Aviation, Space, and Environmental Medicine</i> , 2009, 80, 1039-1043.	0.6	25
35	Coupling of postural activity with motion of a ship at sea. <i>Experimental Brain Research</i> , 2015, 233, 1607-1616.	0.7	24
36	Coupling of head and body movement with motion of the audible environment.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2009, 35, 1221-1231.	0.7	23

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37	Standing Posture on Land and at Sea. <i>Ecological Psychology</i> , 2011, 23, 19-36.	0.7	21
38	Interpersonal Postural Coordination on Rigid and Non-Rigid Surfaces. <i>Motor Control</i> , 2009, 13, 471-483.	0.3	20
39	Just the sight of you: Postural effects of interpersonal visual contact at sea.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 2310-2318.	0.7	20
40	Postural time-to-contact as a precursor of visually induced motion sickness. <i>Experimental Brain Research</i> , 2018, 236, 1631-1641.	0.7	19
41	Self-Induced Motion Sickness and Body Movement During Passive Restraint. <i>Ecological Psychology</i> , 2008, 20, 121-145.	0.7	18
42	Unstable coupling of body sway with imposed motion precedes visually induced motion sickness. <i>Human Movement Science</i> , 2019, 64, 389-397.	0.6	18
43	Effects of Physical Driving Experience on Body Movement and Motion Sickness During Virtual Driving. <i>Aerospace Medicine and Human Performance</i> , 2017, 88, 985-992.	0.2	17
44	Stance Width and Angle at Sea: Effects of Sea State and Body Orientation. <i>Aviation, Space, and Environmental Medicine</i> , 2009, 80, 845-849.	0.6	14
45	Dynamic perception of dynamic affordances: walking on a ship at sea. <i>Experimental Brain Research</i> , 2017, 235, 517-524.	0.7	14
46	Higher order affordances for reaching: Perception and performance. <i>Quarterly Journal of Experimental Psychology</i> , 2019, 72, 1200-1211.	0.6	14
47	It doesn't add up: Nested affordances for reaching are perceived as a complex particular. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 3832-3841.	0.7	12
48	Multimodal Perception of Reachability Expressed Through Locomotion. <i>Ecological Psychology</i> , 2010, 22, 192-211.	0.7	11
49	Adaptive perception of changes in affordances for walking on a ship at sea. <i>Human Movement Science</i> , 2019, 64, 28-37.	0.6	11
50	Subjective Reports and Postural Performance Among Older Adult Passengers on a Sea Voyage. <i>Ecological Psychology</i> , 2015, 27, 127-143.	0.7	10
51	Dementia alters standing postural adaptation during a visual search task in older adult men. <i>Neuroscience Letters</i> , 2015, 593, 101-106.	1.0	10
52	Postural precursors of motion sickness in head-mounted displays: drivers and passengers, women and men. <i>Ergonomics</i> , 2020, 63, 1502-1511.	1.1	10
53	Social interaction in the emergence of toddler's mealtime spoon use. <i>Developmental Psychobiology</i> , 2020, 62, 1124-1133.	0.9	10
54	Postural responses to a moving room in children with and without developmental coordination disorder. <i>Research in Developmental Disabilities</i> , 2011, 32, 2571-2576.	1.2	9

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55	Exploratory movement and affordances in design. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , 2015, 29, 257-265.	0.7	9
56	Visual tasks and stance width influence the spatial magnitude and temporal dynamics of standing body sway in 6- to 12-year old children. <i>Human Movement Science</i> , 2018, 59, 56-65.	0.6	9
57	Real-time visual feedback about postural activity increases postural instability and visually induced motion sickness. <i>Gait and Posture</i> , 2018, 65, 251-255.	0.6	9
58	It's Turtles all the Way Down: A Comparative Analysis of Visually Induced Motion Sickness. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2007, 51, 1631-1634.	0.2	7
59	Pre-Bout Standing Body Sway Differs between Adult Boxers Who Do and Do Not Report Post-Bout Motion Sickness. <i>PLoS ONE</i> , 2012, 7, e46136.	1.1	7
60	The Rim and the Ancient Mariner: The Nautical Horizon Affects Postural Sway in Older Adults. <i>PLoS ONE</i> , 2016, 11, e0166900.	1.1	7
61	Effects of Linear Acceleration on Passenger Comfort During Physical Driving on an Urban Road. <i>International Journal of Civil Engineering</i> , 2020, 18, 1-8.	0.9	7
62	Effects of physical driving experience on body movement and motion sickness among passengers in a virtual vehicle. <i>Experimental Brain Research</i> , 2021, 239, 491-500.	0.7	7
63	Control of a virtual vehicle influences postural activity and motion sickness in pre-adolescent children. <i>Human Movement Science</i> , 2021, 78, 102832.	0.6	7
64	Perception of Affordances in Soccer: Kicking for Power Versus Kicking for Precision. <i>Research Quarterly for Exercise and Sport</i> , 2022, 93, 144-152.	0.8	6
65	Precursors of post-bout motion sickness in adolescent female boxers. <i>Experimental Brain Research</i> , 2014, 232, 2571-2579.	0.7	5
66	Perception of Object Length Via Manual Welding in Children With and Without Developmental Coordination Disorder. <i>Journal of Motor Behavior</i> , 2016, 48, 13-19.	0.5	5
67	Sensitivity to changes in dynamic affordances for walking on land and at sea. <i>PLoS ONE</i> , 2019, 14, e0221974.	1.1	5
68	Structure of variability in scanning movement predicts braille reading performance in children. <i>Scientific Reports</i> , 2021, 11, 7182.	1.6	5
69	Perceiving Nested Affordances for Another Person's Actions. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 17470218.2016.1.	0.6	4
70	Postural Activity During Use of a Head-Mounted Display: Sex Differences in the "Driver" vs "Passenger" Effect. <i>Frontiers in Virtual Reality</i> , 2020, 1, .	2.5	4
71	Theory testing and the global array. <i>Behavioral and Brain Sciences</i> , 2004, 27, 892-900.	0.4	3
72	Walking Before and During a Sea Voyage. <i>Ecological Psychology</i> , 2015, 27, 87-101.	0.7	3

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73	Perception of Affordances for Vertical and Horizontal Jumping in Children: Gymnasts Versus Non-Athletes. <i>Research Quarterly for Exercise and Sport</i> , 2020, 92, 1-9.	0.8	3
74	When the WBB is useful, and when it isn't. <i>Gait and Posture</i> , 2014, 39, 1154.	0.6	2
75	The role of age and postural stability for visually induced motion sickness in a simulated driving task. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2015, 59, 770-770.	0.2	2
76	Postural Precursors of Postboxing Motion Sickness in a Manual Aiming Task. <i>Ecological Psychology</i> , 2015, 27, 26-42.	0.7	2
77	The Role of Visual Feedback about Motion of the Ground on Postural Sway. <i>Journal of Motor Behavior</i> , 2020, 52, 352-359.	0.5	2
78	Postural Control Supports Visual Perceptual but not Cognitive Performance. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 1420-1423.	0.2	1
79	Modulation of Postural Sway during Manual Aiming. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2001, 45, 1931-1934.	0.2	0
80	There may not be an A-not-B error. <i>Behavioral and Brain Sciences</i> , 2004, 27, 708-709.	0.4	0
81	Letter to the Editor: On the Advantages and disadvantages of stiffness instructions when studying postural control by C.T. Bonnet: Quiet stance and the real world. <i>Gait and Posture</i> , 2016, 46, 210-212.	0.6	0