Thomas A Stoffregen

List of Publications by Year
in descending order

81	3,847	186265 28	133252 59
papers	citations	h-index	g-index

81	81	81	1818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An ecological Theory of Motion Sickness and Postural Instability. Ecological Psychology, 1991, 3, 195-240.	1.1	559
2	The virtual reality head-mounted display Oculus Rift induces motion sickness and is sexist in its effects. Experimental Brain Research, 2017, 235, 889-901.	1.5	353
3	Postural instability precedes motion sickness. Brain Research Bulletin, 1998, 47, 437-448.	3.0	306
4	On specification and the senses. Behavioral and Brain Sciences, 2001, 24, 195-213.	0.7	235
5	Motion Sickness, Console Video Games, and Head-Mounted Displays. Human Factors, 2007, 49, 920-934.	3.5	188
6	An Ecological Critique of the Sensory Conflict Theory of Motion Sickness. Ecological Psychology, 1991, 3, 159-194.	1.1	144
7	Postural Instability and Motion Sickness in a Fixed-Base Flight Simulator. Human Factors, 2000, 42, 458-469.	3.5	143
8	Motion Sickness and Postural Sway in Console Video Games. Human Factors, 2008, 50, 322-331.	3.5	111
9	Postural Instability and Motion Sickness in a Virtual Moving Room. Human Factors, 2008, 50, 332-345.	3.5	100
10	Postural Stabilization of Perceptual But Not Cognitive Performance. Journal of Motor Behavior, 2007, 39, 126-138.	0.9	97
11	Identifying Causes of and Solutions for Cybersickness in Immersive Technology: Reformulation of a Research and Development Agenda. International Journal of Human-Computer Interaction, 2020, 36, 1783-1803.	4.8	86
12	Control of a virtual vehicle influences postural activity and motion sickness.. Journal of Experimental Psychology: Applied, 2011, 17, 128-138.	1.2	84
13	Getting Your Sea Legs. PLoS ONE, 2013, 8, e66949.	2.5	81
14	Motion sickness preceded by unstable displacements of the center of pressure. Human Movement Science, 2006, 25, 800-820.	1.4	77
15	Stance Width Influences Postural Stability and Motion Sickness. Ecological Psychology, 2010, 22, 169-191.	1.1	77
16	Postural activity and motion sickness during video game play in children and adults. Experimental Brain Research, 2012, 217, 299-309.	1.5	73
17	Nintendo Wii Balance Board is sensitive to effects of visual tasks on standing sway in healthy elderly adults. Gait and Posture, 2012, 36, 605-608.	1.4	62
18	Motion control, motion sickness, and the postural dynamics of mobile devices. Experimental Brain Research, 2014, 232, 1389-1397.	1.5	57

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19	Sex differences in visual performance and postural sway precede sex differences in visually induced motion sickness. Experimental Brain Research, 2016, 234, 313-322.	1.5	54
20	Movement in the Perception of an Affordance for Wheelchair Locomotion. Ecological Psychology, 2009, 21, 1-36.	1.1	51
21	The Senses Considered as One Perceptual System. Ecological Psychology, 2017, 29, 165-197.	1.1	50
22	Postural sway in men and women during nauseogenic motion of the illuminated environment. Experimental Brain Research, 2016, 234, 2709-2720.	1.5	46
23	Cybersickness in Virtual Reality Head-Mounted Displays: Examining the Influence of Sex Differences and Vehicle Control. International Journal of Human-Computer Interaction, 2020, 36, 1161-1167.	4.8	42
24	Motion sickness, body movement, and claustrophobia during passive restraint. Experimental Brain Research, 2007, 177, 520-532.	1.5	40
25	Voluntary and Involuntary Postural Responses to Imposed Optic Flow. Motor Control, 2006, 10, 24-33.	0.6	36
26	Control of a Virtual Avatar Influences Postural Activity and Motion Sickness. Ecological Psychology, 2012, 24, 279-299.	1.1	34
27	Effects of decades of physical driving on body movement and motion sickness during virtual driving. PLoS ONE, 2017, 12, e0187120.	2.5	34
28	The distance of visual targets affects the spatial magnitude and multifractal scaling of standing body sway in younger and older adults. Experimental Brain Research, 2016, 234, 2721-2730.	1.5	33
29	Standing body sway in women with and without morning sickness in pregnancy. Gait and Posture, 2013, 37, 103-107.	1.4	32
30	Body load and the postural precursors of motion sickness. Gait and Posture, 2014, 39, 606-610.	1.4	29
31	Passive restraint reduces visually induced motion sickness in older adults.. Journal of Experimental Psychology: Applied, 2017, 23, 85-99.	1.2	28
32	Hierarchical nesting of affordances in a tool use task.. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1627-1642.	0.9	28
33	Affordances in the design of enactive systems. Virtual Reality, 2006, 10, 4-10.	6.1	26
34	Body Sway at Sea for Two Visual Tasks and Three Stance Widths. Aviation, Space, and Environmental Medicine, 2009, 80, 1039-1043.	0.5	25
35	Coupling of postural activity with motion of a ship at sea. Experimental Brain Research, 2015, 233, 1607-1616.	1.5	24
36	Coupling of head and body movement with motion of the audible environment.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1221-1231.	0.9	23

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37	Standing Posture on Land and at Sea. Ecological Psychology, 2011, 23, 19-36.	1.1	21
38	Interpersonal Postural Coordination on Rigid and Non-Rigid Surfaces. Motor Control, 2009, 13, 471-483.	0.6	20
39	Just the sight of you: Postural effects of interpersonal visual contact at sea.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 2310-2318.	0.9	20
40	Postural time-to-contact as a precursor of visually induced motion sickness. Experimental Brain Research, 2018, 236, 1631-1641.	1.5	19
41	Self-Induced Motion Sickness and Body Movement During Passive Restraint. Ecological Psychology, 2008, 20, 121-145.	1.1	18
42	Unstable coupling of body sway with imposed motion precedes visually induced motion sickness. Human Movement Science, 2019, 64, 389-397.	1.4	18
43	Effects of Physical Driving Experience on Body Movement and Motion Sickness During Virtual Driving. Aerospace Medicine and Human Performance, 2017, 88, 985-992.	0.4	17
44	Stance Width and Angle at Sea: Effects of Sea State and Body Orientation. Aviation, Space, and Environmental Medicine, 2009, 80, 845-849.	0.5	14
45	Dynamic perception of dynamic affordances: walking on a ship at sea. Experimental Brain Research, 2017, 235, 517-524.	1.5	14
46	Higher order affordances for reaching: Perception and performance. Quarterly Journal of Experimental Psychology, 2019, 72, 1200-1211.	1.1	14
47	It doesnâ€™t add up: Nested affordances for reaching are perceived as a complex particular. Attention, Perception, and Psychophysics, 2020, 82, 3832-3841.	1.3	12
48	Multimodal Perception of Reachability Expressed Through Locomotion. Ecological Psychology, 2010, 22, 192-211.	1.1	11
49	Adaptive perception of changes in affordances for walking on a ship at sea. Human Movement Science, 2019, 64, 28-37.	1.4	11
50	Subjective Reports and Postural Performance Among Older Adult Passengers on a Sea Voyage. Ecological Psychology, 2015, 27, 127-143.	1.1	10
51	Dementia alters standing postural adaptation during a visual search task in older adult men. Neuroscience Letters, 2015, 593, 101-106.	2.1	10
52	Postural precursors of motion sickness in head-mounted displays: drivers and passengers, women and men. Ergonomics, 2020, 63, 1502-1511.	2.1	10
53	Social interaction in the emergence of toddlerâ€™s mealtime spoon use. Developmental Psychobiology, 2020, 62, 1124-1133.	1.6	10
54	Postural responses to a moving room in children with and without developmental coordination disorder. Research in Developmental Disabilities, 2011, 32, 2571-2576.	2.2	9

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55	Exploratory movement and affordances in design. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2015, 29, 257-265.	1.1	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. Human Movement Science, 2018, 59, 56-65.	1.4	9
57	Real-time visual feedback about postural activity increases postural instability and visually induced motion sickness. Gait and Posture, 2018, 65, 251-255.	1.4	9
58	It's Turtles all the Way Down: A Comparative Analysis of Visually Induced Motion Sickness. Proceedings of the Human Factors and Ergonomics Society, 2007, 51, 1631-1634.	0.3	7
59	Pre-Bout Standing Body Sway Differs between Adult Boxers Who Do and Do Not Report Post-Bout Motion Sickness. PLoS ONE, 2012, 7, e46136.	2.5	7
60	The Rim and the Ancient Mariner: The Nautical Horizon Affects Postural Sway in Older Adults. PLoS ONE, 2016, 11, e0166900.	2.5	7
61	Effects of Linear Acceleration on Passenger Comfort During Physical Driving on an Urban Road. International Journal of Civil Engineering, 2020, 18, 1-8.	2.0	7
62	Effects of physical driving experience on body movement and motion sickness among passengers in a virtual vehicle. Experimental Brain Research, 2021, 239, 491-500.	1.5	7
63	Control of a virtual vehicle influences postural activity and motion sickness in pre-adolescent children. Human Movement Science, 2021, 78, 102832.	1.4	7
64	Perception of Affordances in Soccer: Kicking for Power Versus Kicking for Precision. Research Quarterly for Exercise and Sport, 2022, 93, 144-152.	1.4	6
65	Precursors of post-bout motion sickness in adolescent female boxers. Experimental Brain Research, 2014, 232, 2571-2579.	1.5	5
66	Perception of Object Length Via Manual Wielding in Children With and Without Developmental Coordination Disorder. Journal of Motor Behavior, 2016, 48, 13-19.	0.9	5
67	Sensitivity to changes in dynamic affordances for walking on land and at sea. PLoS ONE, 2019, 14, e0221974.	2.5	5
68	Structure of variability in scanning movement predicts braille reading performance in children. Scientific Reports, 2021, 11, 7182.	3.3	5
69	Perceiving Nested Affordances for Another Person's Actions. Quarterly Journal of Experimental Psychology, 2018, 71, 17470218.2016.1.	1.1	4
70	Postural Activity During Use of a Head-Mounted Display: Sex Differences in the â€œDriverâ€“Passengerâ€• Effect. Frontiers in Virtual Reality, 2020, 1, .	3.7	4
71	Theory testing and the global array. Behavioral and Brain Sciences, 2004, 27, 892-900.	0.7	3
72	Walking Before and During a Sea Voyage. Ecological Psychology, 2015, 27, 87-101.	1.1	3

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73	Perception of Affordances for Vertical and Horizontal Jumping in Children: Gymnasts Versus Non-Athletes. Research Quarterly for Exercise and Sport, 2020, 92, 1-9.	1.4	3
74	When the WBB is useful, and when it isnâ€™t. Gait and Posture, 2014, 39, 1154.	1.4	2
75	The role of age and postural stability for visually induced motion sickness in a simulated driving task. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 770-770.	0.3	2
76	Postural Precursors of Postboxing Motion Sickness in a Manual Aiming Task. Ecological Psychology, 2015, 27, 26-42.	1.1	2
77	The Role of Visual Feedback about Motion of the Ground on Postural Sway. Journal of Motor Behavior, 2020, 52, 352-359.	0.9	2
78	Postural Control Supports Visual Perceptual but not Cognitive Performance. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1420-1423.	0.3	1
79	Modulation of Postural Sway during Manual Aiming. Proceedings of the Human Factors and Ergonomics Society, 2001, 45, 1931-1934.	0.3	0
80	There may not be an A-not-B error. Behavioral and Brain Sciences, 2004, 27, 708-709.	0.7	0
81	Letter to the Editor: On â€œAdvantages and disadvantages of stiffness instructions when studying postural controlâ€•by C.T. Bonnet: Quiet stance and the real world. Gait and Posture, 2016, 46, 210-212.	1.4	0