

David M Jacobs

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,214
citations

471509

17
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

614
citing authors

#	ARTICLE	IF	CITATIONS
1	Task difficulty and physiological measures of mental workload in air traffic control: a scoping review. <i>Ergonomics</i> , 2022, 65, 1095-1118.	2.1	10
2	Height After Side: Goalkeepers Detect the Vertical Direction of Association-Football Penalty Kicks From the Ball Trajectory. <i>Frontiers in Psychology</i> , 2020, 11, 311.	2.1	9
3	Dynamic Touch as Common Ground for Enactivism and Ecological Psychology. <i>Frontiers in Psychology</i> , 2020, 11, 1257.	2.1	14
4	Sensory substitution: The affordance of passability, body-scaled perception, and exploratory movements. <i>PLoS ONE</i> , 2019, 14, e0213342.	2.5	9
5	The direct learning theory: a naturalistic approach to learning for the post-cognitivist era. <i>Adaptive Behavior</i> , 2019, 27, 389-403.	1.9	11
6	Route selection and obstacle avoidance with a short-range haptic sensory substitution device. <i>International Journal of Human Computer Studies</i> , 2019, 132, 25-33.	5.6	13
7	Eye position affects flight altitude in visual approach to landing independent of level of expertise of pilot. <i>PLoS ONE</i> , 2018, 13, e0197585.	2.5	8
8	Sensory substitution: Using a vibrotactile device to orient and walk to targets.. <i>Journal of Experimental Psychology: Applied</i> , 2018, 24, 108-124.	1.2	13
9	Anticipating the Lateral Direction of Penalty Kicks in Football From PCA-Reduced Point-Light Displays. <i>Ecological Psychology</i> , 2017, 29, 23-34.	1.1	3
10	<i>Corrigendum to</i> Tactile-Sight: A Sensory Substitution Device Based on Distance-Related Vibrotactile Flow. <i>International Journal of Advanced Robotic Systems</i> , 2015, 12, 69.	2.1	0
11	Body-scaled affordances in sensory substitution. <i>Consciousness and Cognition</i> , 2015, 38, 130-138.	1.5	10
12	Stepping on Obstacles with a Sensory Substitution Device on the Lower Leg: Practice without Vision Is More Beneficial than Practice with Vision. <i>PLoS ONE</i> , 2014, 9, e98801.	2.5	13
13	Predicting the lateral direction of deceptive and non-deceptive penalty kicks in football from the kinematics of the kicker. <i>Human Movement Science</i> , 2014, 36, 199-216.	1.4	39
14	On the Ecological Approach to Information and Control for Roboticists. <i>International Journal of Advanced Robotic Systems</i> , 2013, 10, 265.	2.1	4
15	Tactile-Sight: A Sensory Substitution Device Based on Distance-Related Vibrotactile Flow. <i>International Journal of Advanced Robotic Systems</i> , 2013, 10, 272.	2.1	25
16	When Less Is More: Reduced Usefulness Training for the Learning of Anticipation Skill in Tennis. <i>PLoS ONE</i> , 2013, 8, e79811.	2.5	19
17	The learning of visually guided action: An information-space analysis of pole balancing.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2012, 38, 1215-1227.	0.9	20
18	Action-contingent vibrotactile flow facilitates the detection of ground level obstacles with a partly virtual sensory substitution device. <i>Human Movement Science</i> , 2012, 31, 1571-1584.	1.4	18

#	ARTICLE	IF	CITATIONS
19	Decision, Sensation, and Habituation: A Multi-Layer Dynamic Field Model for Inhibition of Return. PLoS ONE, 2012, 7, e33169.	2.5	4
20	On Potential-Based and Direct Movements in Information Spaces. Ecological Psychology, 2011, 23, 123-145.	1.1	14
21	The education of attention as explanation of variability of practice effects: Learning the final approach phase in a flight simulator.. Journal of Experimental Psychology: Human Perception and Performance, 2011, 37, 1841-1854.	0.9	51
22	Environmental constraints modify the way an interceptive action is controlled. Experimental Brain Research, 2010, 202, 397-411.	1.5	19
23	Judgements of time to contact are affected by rate of appearance of visible texture. Quarterly Journal of Experimental Psychology, 2010, 63, 1041-1048.	1.1	10
24	Self-Controlled Concurrent Feedback Facilitates the Learning of the Final Approach Phase in a Fixed-Base Flight Simulator. Human Factors, 2009, 51, 858-871.	3.5	20
25	Self-controlled concurrent feedback and the education of attention towards perceptual invariants. Human Movement Science, 2009, 28, 450-467.	1.4	48
26	The Ecological Level of Analysis: Can Neogibsonian Principles be Applied Beyond Perception and Action?. Integrative Psychological and Behavioral Science, 2009, 43, 393-405.	0.9	8
27	An Empirical Illustration and Formalization of the Theory of Direct Learning: The Muscle-Based Perception of Kinetic Properties. Ecological Psychology, 2009, 21, 245-289.	1.1	33
28	Testing the role of expansion in the prospective control of locomotion. Experimental Brain Research, 2008, 191, 301-312.	1.5	14
29	Direct learning in dynamic touch.. Journal of Experimental Psychology: Human Perception and Performance, 2008, 34, 944-957.	0.9	50
30	The Role of Concurrent Feedback in Learning to Walk Through Sliding Doors. Ecological Psychology, 2007, 19, 367-382.	1.1	11
31	Direct Learning. Ecological Psychology, 2007, 19, 321-349.	1.1	255
32	Lateral interception I: Operative optical variables, attunement, and calibration.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 443-458.	0.9	100
33	Lateral interception II: Predicting hand movements.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 459-472.	0.9	21
34	Mode Transition and Change in Variable Use in Perceptual Learning. Ecological Psychology, 2006, 18, 67-91.	1.1	6
35	On the Apparent Paradox of Learning and Realism. Ecological Psychology, 2002, 14, 127-139.	1.1	72
36	Information, Perception, and Action: A Reply to Commentators. Ecological Psychology, 2001, 13, 227-244.	1.1	44

#	ARTICLE	IF	CITATIONS
37	Specificity is always contingent on constraints: Global versus individual arrays is not the issue. Behavioral and Brain Sciences, 2001, 24, 240-241.	0.7	17
38	Reliance on constraints means detection of information. Behavioral and Brain Sciences, 2001, 24, 679-680.	0.7	6
39	Learning to visually perceive the relative mass of colliding balls in globally and locally constrained task ecologies.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 1019-1038.	0.9	79
40	Individual differences and the use of nonspecifying variables in learning to perceive distance and size: Comments on McConnell, Muchisky, and Bingham (1998). Perception & Psychophysics, 2001, 63, 563-571.	2.3	8
41	Learning to perceive the relative mass of colliding balls: The effects of ratio scaling and feedback. Perception & Psychophysics, 2000, 62, 1332-1340.	2.3	86