Roman Rozengurt

List of Publications by Year
in descending order

53 papers	2,510 citations	279798 23 h-index	206112 48 g-index
53 all docs	53 docs citations	53 times ranked	2410 citing authors

#	Article	IF	Citations
1	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). Brain, 2020, 143, 1674-1685.	7.6	188
2	How Long Is Too Long: An Individual Time-Window for Motor Planning. Frontiers in Human Neuroscience, 2019, 13, 238.	2.0	11
3	The Science of Neurofeedback: Learnability and Effects. Neuroscience, 2018, 378, 1-10.	2.3	10
4	Components of Motor Deficiencies in ADHD and Possible Interventions. Neuroscience, 2018, 378, 34-53.	2.3	28
5	Neural Correlates of User-initiated Motor Success and Failure â€“ A Brainâ€“Computer Interface Perspective. Neuroscience, 2018, 378, 100-112.	2.3	13
6	Theta Neurofeedback Effects on Motor Memory Consolidation and Performance Accuracy: An Apparent Paradox?. Neuroscience, 2018, 378, 198-210.	2.3	16
7	I act, therefore I err: EEG correlates of success and failure in a virtual throwing game. International Journal of Psychophysiology, 2017, 122, 32-41.	1.0	16
8	Enhancing early consolidation of human episodic memory by theta EEG neurofeedback. Neurobiology of Learning and Memory, 2017, 145, 165-171.	1.9	20
9	Evidence for deficient motor planning in ADHD. Scientific Reports, 2017, 7, 9631.	3.3	17
10	Cognitive enhancement: A system view. International Journal of Psychophysiology, 2017, 122, 1-5.	1.0	7
11	Recognition of the semantics and kinematics of gestures: Neural responses to â€œwhatâ€•and â€œhowâ€?. International Journal of Psychophysiology, 2017, 122, 6-16.	1.0	2
12	EEG-based cognitive load of processing events in 3D virtual worlds is lower than processing events in 2D displays. International Journal of Psychophysiology, 2017, 122, 75-84.	1.0	69
13	Monitoring brain potentials to guide neurorehabilitation of tracking impairments. , 2017, 2017, 983-988.		6
14	Theta EEG neurofeedback benefits early consolidation of motor sequence learning. Psychophysiology, 2016, 53, 965-973.	2.4	27
15	Better than sleep: Theta neurofeedback training accelerates memory consolidation. Biological Psychology, 2014, 95, 45-53.	2.2	71
16	Perspectives and possible applications of the rubber hand and virtual hand illusion in non-invasive rehabilitation: Technological improvements and their consequences. Neuroscience and Biobehavioral Reviews, 2014, 44, 33-44.	6.1	55
17	Estimating mental workload through event-related fluctuations of pupil area during a task in a virtual world. International Journal of Psychophysiology, 2014, 93, 38-44.	1.0	41
18	Applied Neuroscience: Functional enhancement, prevention, characterisation and methodology. (Hosting the Society of Applied Neuroscience). International Journal of Psychophysiology, 2014, 93, ix-xii.	1.0	5

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19	Natural stimuli from three coherent modalities enhance behavioral responses and electrophysiological cortical activity in humans. International Journal of Psychophysiology, 2014, 93, 45-55.	1.0	24
20	Multisensory integration, the MNS and enhancedÂlearning. Multisensory Research, 2013, 26, 132.	1.1	0
21	Effects of Order and Sensory Modality in Stiffness Perception. Presence: Teleoperators and Virtual Environments, 2012, 21, 295-304.	0.6	11
22	Is Learning in Low Immersive Environments Carried over to High Immersive Environments?. Advances in Human-Computer Interaction, 2012, 2012, 1-7.	2.8	4
23	Call for Papers: What Can Be Learned From Neuroscience Research to Enhance Science, Technology, Engineering, and Mathematics (STEM) Education. Mind, Brain, and Education, 2012, 6, 65-65.	1.9	0
24	The contribution of cutaneous and kinesthetic sensory modalities in haptic perception of orientation. Brain Research Bulletin, 2011, 85, 260-266.	3.0	40
25	The impact of subliminal haptic perception on the preference discrimination of roughness and compliance. Brain Research Bulletin, 2011, 85, 267-270.	3.0	6
26	Presence: Brain, virtual reality and robots. Brain Research Bulletin, 2011, 85, 243-244.	3.0	1
27	Visual recognition of shapes and textures: an fMRi study. Brain Structure and Function, 2010, 214, 355-359.	2.3	9
28	Stroop Interference and Facilitation Effects in Kinesthetic and Haptic Tasks. Advances in Human-Computer Interaction, 2010, 2010, 1-10.	2.8	9
29	Non-digitizing Data Restoration with Using Indirect Data Processing. , 2009, , .		0
30	The Impact of Unaware Perception on Bodily Interaction in Virtual Reality Environments. Presence: Teleoperators and Virtual Environments, 2009, 18, 413-420.	0.6	8
31	Repetition priming for multisensory stimuli: Task-irrelevant and task-relevant stimuli are associated if semantically related but with no advantage over uni-sensory stimuli. Brain Research, 2009, 1251, 236-244.	2.2	7
32	Sensory dominance in combinations of audio, visual and haptic stimuli. Experimental Brain Research, 2009, 193, 307-314.	1.5	135
33	Sensory Cues, Visualization and Physics Learning. International Journal of Science Education, 2009, 31, 343-364.	1.9	24
34	Behavioral Indications of Object-Presence in Haptic Virtual Environments. Cyberpsychology, Behavior and Social Networking, 2009, 12, 183-186.	2.2	10
35	Enhancement of response times to bi- and tri-modal sensory stimuli during active movements. Experimental Brain Research, 2008, 185, 655-665.	1.5	59
36	Multisensory enhancement: gains in choice and in simple response times. Experimental Brain Research, 2008, 189, 133-143.	1.5	55

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37	Understanding and Realizing Presence in the Presenccia Project. IEEE Computer Graphics and Applications, 2007, 27, 90-93.	1.2	27
38	Multimodal Virtual Environments: Response Times, Attention, and Presence. Presence: Teleoperators and Virtual Environments, 2006, 15, 515-523.	0.6	58
39	Imagery of motor actions: Differential effects of kinesthetic and visualâ€“motor mode of imagery in single-trial EEG. Cognitive Brain Research, 2005, 25, 668-677.	3.0	581
40	The symbiotic roles of empirical experimentation and thought experimentation in the learning of physics. International Journal of Science Education, 2004, 26, 1819-1834.	1.9	27
41	On the Limitations of Thought Experiments in Physics and the Consequences for Physics Education. Science and Education, 2003, 12, 365-385.	2.7	35
42	Conceptual classroom environment - a system view of learning. International Journal of Science Education, 2001, 23, 551-568.	1.9	32
43	Thought experiments in science education: potential and current realization. International Journal of Science Education, 2000, 22, 265-283.	1.9	88
44	Epistemological resources for thought experimentation in science learning. International Journal of Science Education, 2000, 22, 489-506.	1.9	106
45	Naive Physics Reasoning: A Commitment to Substance-Based Conceptions. Cognition and Instruction, 2000, 18, 1-34.	2.9	273
46	Conceptual Construction of Fields Through Tactile Interface. Interactive Learning Environments, 1999, 7, 31-55.	6.4	60
47	Thought experiments and collaborative learning in physics. International Journal of Science Education, 1998, 20, 1043-1058.	1.9	57
48	A Learning Environment for Mental Visualization in Electromagnetism. International Journal of Computers for Mathematical Learning, 1997, 2, 125-154.	0.6	6
49	Impact of simulator-based instruction on diagramming in geometrical optics by introductory physics students. Journal of Science Education and Technology, 1995, 4, 199-226.	3.9	22
50	Evaluation of a computer integration strategy in a science teacher's professional development program. Studies in Educational Evaluation, 1995, 21, 457-473.	2.3	0
51	The integration of knowledge and experimentation strategies in understanding a physical system. Applied Cognitive Psychology, 1992, 6, 321-343.	1.6	19
52	Causal Models and Experimentation Strategies in Scientific Reasoning. Journal of the Learning Sciences, 1991, 1, 201-238.	2.9	114
53	Student learning behaviours as a means for a cognitive evaluation of a physics program. Studies in Educational Evaluation, 1985, 11, 105-111.	2.3	1