Ivilin Peev Stoianov

List of Publications by Year
in descending order

26 papers	1,018 citations	566801 15 h-index	552369 26 g-index
30 all docs	30 docs citations	30 times ranked	1051 citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a Multifunctional Operating Station Based on Augmented Reality (MOSAR). Cybernetics and Information Technologies, 2021, 21, 119-136.	0.4	3
2	The dynamics of reading complex words: evidence from steady-state visual evoked potentials. Scientific Reports, 2021, 11, 15919.	1.6	1
3	Planning at decision time and in the background during spatial navigation. Current Opinion in Behavioral Sciences, 2019, 29, 69-76.	2.0	29
4	Steady state visual evoked potentials in reading aloud: Effects of lexicality, frequency and orthographic familiarity. Brain and Language, 2019, 192, 1-14.	0.8	11
5	Model-based spatial navigation in the hippocampus-ventral striatum circuit: A computational analysis. PLoS Computational Biology, 2018, 14, e1006316.	1.5	26
6	Neuroplus biofeedback improves attention, resilience, and injury prevention in elite soccer players. Psychophysiology, 2017, 54, 916-926.	1.2	20
7	Letter perception emerges from unsupervised deep learning and recycling of natural image features. Nature Human Behaviour, 2017, 1, 657-664.	6.2	42
8	Computational foundations of the visual number sense. Behavioral and Brain Sciences, 2017, 40, e191.	0.4	7
9	Model-Based Approaches to Active Perception and Control. Entropy, 2017, 19, 266.	1.1	31
10	Learning Orthographic Structure With Sequential Generative Neural Networks. Cognitive Science, 2016, 40, 579-606.	0.8	14
11	Prefrontal Goal Codes Emerge as Latent States in Probabilistic Value Learning. Journal of Cognitive Neuroscience, 2016, 28, 140-157.	1.1	47
12	Generative processing underlies the mutual enhancement of arithmetic fluency and math-grounding number sense. Frontiers in Psychology, 2014, 5, 1326.	1.1	7
13	Number skills are maintained in healthy ageing. Cognitive Psychology, 2014, 69, 25-45.	0.9	94
14	Deep Unsupervised Learning on a Desktop PC: A Primer for Cognitive Scientists. Frontiers in Psychology, 2013, 4, 251.	1.1	28
15	Modeling language and cognition with deep unsupervised learning: a tutorial overview. Frontiers in Psychology, 2013, 4, 515.	1.1	56
16	Emergence of a 'visual number sense' in hierarchical generative models. Nature Neuroscience, 2012, 15, 194-196.	7.1	268
17	Functional organization of the insula and inner perisylvian regions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10077-10082.	3.3	118
18	Interactions between perceptual and numerical space. Psychonomic Bulletin and Review, 2011, 18, 722-728.	1.4	33

#	Article	IF	Citations
19	Through Neural Stimulation to Behavior Manipulation: A Novel Method for Analyzing Dynamical Cognitive Models. Cognitive Science, 2010, 34, 406-433.	0.8	13
20	Perinatal Asphyxia Affects Rat Auditory Processing: Implications for Auditory Perceptual Impairments in Neurodevelopmental Disorders. PLoS ONE, 2010, 5, e15326.	1.1	8
21	When Action Meets Emotions: How Facial Displays of Emotion Influence Goal-Related Behavior. PLoS ONE, 2010, 5, e13126.	1.1	29
22	Visuospatial priming of the mental number line. Cognition, 2008, 106, 770-779.	1.1	90
23	The role of phonology in the inflection of Italian verbs. Mental Lexicon, 2006, 1, 147-181.	0.2	8
24	Searching for Emergent Representations in Evolved Dynamical Systems. Lecture Notes in Computer Science, 2006, , 522-533.	1.0	0
25	The Role of Semantic and Symbolic Representations in Arithmetic Processing: Insights from Simulated Dyscalculia in a Connectionist Model. Cortex, 2004, 40, 194-196.	1.1	15
26	Associative Arithmetic with Boltzmann Machines: The Role of Number Representations. Lecture Notes in Computer Science, 2002, , 277-283.	1.0	7