Marko Puljic

List of Publications by Year
in descending order

22 papers	468 citations	933447 10 h-index	996975 15 g-index
23 all docs	23 docs citations	23 times ranked	257 citing authors

#	Article	IF	Citations
1	Phase transitions in the neuropercolation model of neural populations with mixed local and non-local interactions. Biological Cybernetics, 2005, 92, 367-379.	1.3	138
2	Genome-wide analysis of the RpoN regulon in Geobacter sulfurreducens. BMC Genomics, 2009, 10, 331.	2.8	51
3	Random graph theory and neuropercolation for modeling brain oscillations at criticality. Current Opinion in Neurobiology, 2015, 31, 181-188.	4.2	37
4	Hierarchical random cellular neural networks for system-level brain-like signal processing. Neural Networks, 2013, 45, 101-110.	5.9	31
5	Neuropercolation: A Random Cellular Automata Approach to Spatio-temporal Neurodynamics. Lecture Notes in Computer Science, 2004, , 435-443.	1.3	29
6	Narrow-band oscillations in probabilistic cellular automata. Physical Review E, 2008, 78, 026214.	2.1	27
7	Activation clustering in neural and social networks. Complexity, 2005, 10, 42-50.	1.6	26
8	Computational prediction of RpoS and RpoD regulatory sites in Geobacter sulfurreducens using sequence and gene expression information. Gene, 2006, 384, 73-95.	2.2	26
9	Genome-wide survey for PilR recognition sites of the metal-reducing prokaryote Geobacter sulfurreducens. Gene, 2010, 469, 31-44.	2.2	23
10	Genome-wide expression profiling in Geobacter sulfurreducens: identification of Fur and RpoS transcription regulatory sites in a rel Gsu mutant. Functional and Integrative Genomics, 2007, 7, 229-255.	3.5	21
11	MODELING GOAL-ORIENTED DECISION MAKING THROUGH COGNITIVE PHASE TRANSITIONS. New Mathematics and Natural Computation, 2009, 05, 143-157.	0.7	11
12	Learning Effects in Coupled Arrays of Cellular Neural Oscillators. Cognitive Computation, 2013, 5, 164-169.	5.2	10
13	Diversity of promoter elements in a Geobacter sulfurreducens mutant adapted to disruption in electron transfer. Functional and Integrative Genomics, 2009, 9, 15-25.	3.5	8
14	GSEL Version 2, an Online Genome-Wide Query System of Operon Organization and Regulatory Sequence Elements of Geobacter sulfurreducens. OMICS A Journal of Integrative Biology, 2009, 13, 439-449.	2.0	7
15	Pattern-based computing via sequential phase transitions in hierarchical mean field neuropercolation. Theoretical Computer Science, 2016, 633, 54-70.	0.9	5
16	Metastability of Mean Field Neuropercolation â€" The Role of Inhibitory Populations. , 2011, , 41-46.		2
17	Modeling learning and strategy formation as phase transitions in cortical networks. , 2016, , .		1
18	Limit Cycle Oscillations in Random Cellular Automata. , 2005, , .		0

#	Article	IF	Citations
19	Modeling scale‑free neurodynamics using neuropercolation approach. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 1122001-1122002.	0.2	0
20	Genome Regions Involved in Multiple Regulatory Pathways Identified Using GSEL, A Genome-Wide Database of Regulatory Sequence Elements of Geobacter sulfurreducens. , 2008, , .		0
21	Chaotic behavior in probabilistic cellular neural networks. , 2010, , .		0
22	Neural Population Dynamics Modeled by Mean-Field Graphs. , 2011, , .		0