

# Szabolcs Horváth

## List of Publications by Year in descending order

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14  
papers

265  
citations

1163117

8  
h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational analysis of the effects of nitrogen source and <i>sin1</i> knockout on biosilica morphology in the model diatom <i>Thalassiosira pseudonana</i> . <i>Discover Materials</i> , 2021, 1, 1.	2.8	3
2	Connectedness matters: construction and exact random sampling of connected networks. <i>Journal of Physics Complexity</i> , 2021, 2, 015008.	2.2	3
3	Spatial Embedding and Wiring Cost Constrain the Functional Layout of the Cortical Network of Rodents and Primates. <i>PLoS Biology</i> , 2016, 14, e1002512.	5.6	158
4	Reducing Degeneracy in Maximum Entropy Models of Networks. <i>Physical Review Letters</i> , 2015, 114, 158701.	7.8	22
5	The complex parameter space of a two-mode oscillator model. <i>Physica D: Nonlinear Phenomena</i> , 2013, 256-257, 43-50.	2.8	4
6	Quark Number Scaling in Fluid Dynamics and Hadronization via Quarkyonic Matter. <i>EPJ Web of Conferences</i> , 2011, 13, 07003.	0.3	0
7	Nonequilibrium hadronization and constituent quark number scaling. <i>Physical Review C</i> , 2011, 83, .	2.9	8
8	Quarkyonic Matter and Quark Number Scaling of Elliptic Flow. , 2011, , .		0
9	A spatially explicit model for tropical tree diversity patterns. <i>Journal of Theoretical Biology</i> , 2010, 265, 517-523.	1.7	15
10	Entropy development in ideal relativistic fluid dynamics with the Bag Model equation of state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 692, 277-280.	4.1	10
11	Flow analysis with 3-dim ultra-relativistic hydro. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2009, 36, 064032.	3.6	12
12	Unexpected synchronization. <i>Journal of Physics: Conference Series</i> , 2009, 182, 012026.	0.4	2
13	Pattern formation induced by ion-selective surfaces: Models and simulations. <i>Journal of Chemical Physics</i> , 2005, 123, 034707.	3.0	15
14	Ion-Selective Membranes Involved in Pattern-Forming Processes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18135-18139.	2.6	11