Scott D Pauls

List of Publications by Year
in descending order

21 papers	516 citations	758635 12 h-index	794141 19 g-index
21 all docs	21 docs citations	21 times ranked	490 citing authors

#	Article	IF	Citations
1	Random choices facilitate solutions to collective network coloring problems by artificial agents. IScience, 2021, 24, 102340.	1.9	2
2	The dual problems of coordination and anti-coordination on random bipartite graphs. New Journal of Physics, 2021, 23, 113018.	1.2	0
3	Spectral clustering methods for multiplex networks. Physica A: Statistical Mechanics and Its Applications, 2019, 533, 121949.	1.2	12
4	Encoding seasonal information in a two‐oscillator model of the multi‐oscillator circadian clock. European Journal of Neuroscience, 2018, 48, 2718-2727.	1.2	18
5	A network model for characterizing brine channels in sea ice. Cryosphere, 2018, 12, 1013-1026.	1.5	15
6	A new framework for dynamical models on multiplex networks. Journal of Complex Networks, 2018, 6, 353-381.	1.1	12
7	Affinity communities in United Nations voting: Implications for democracy, cooperation, and conflict. Physica A: Statistical Mechanics and Its Applications, 2017, 484, 428-439.	1.2	8
8	Deconstructing Circadian Rhythmicity with Models and Manipulations. Trends in Neurosciences, 2016, 39, 405-419.	4.2	39
9	The social identity voting model: Ideology and community structures. Research and Politics, 2015, 2, 205316801557041.	0.7	4
10	A spectral clustering approach to the structure of personality: Contrasting the FFM and HEXACO models. Journal of Research in Personality, 2015, 57, 100-109.	0.9	44
11	Seeking and receiving social support on Facebook for surgery. Social Science and Medicine, 2015, 131, 40-47.	1.8	40
12	Differential contributions of intra‐cellular and inter‐cellular mechanisms to the spatial and temporal architecture of the suprachiasmatic nucleus circadian circuitry in wild‐type, cryptochrome‐null and vasoactive intestinal peptide receptor 2‐null mutant mice. European Journal of Neuroscience, 2014, 40, 2528-2540.	1.2	48
13	Stability of the World Trade Web over time â€" An extinction analysis. Journal of Economic Dynamics and Control, 2013, 37, 1889-1910.	0.9	47
14	Measures of centrality based on the spectrum of the Laplacian. Physical Review E, 2012, 85, 066127.	0.8	16
15	Minimal Surfaces in the Roto-Translation Group withÂApplications to a Neuro-Biological Image Completion Model. Journal of Mathematical Imaging and Vision, 2010, 36, 1-27.	0.8	47
16	Convexity and horizontal second fundamental forms for hypersurfaces in Carnot groups. Transactions of the American Mathematical Society, 2010, 362, 4045-4062.	0.5	12
17	Cortical feature maps via geometric models. Journal of Physiology (Paris), 2009, 103, 46-51.	2.1	0
18	Topological structures in the equities market network. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20589-20594.	3.3	30

#	Article	IF	Citations
19	A notion of rectifiability modeled on Carnot groups. Indiana University Mathematics Journal, 2004, 53, 49-82.	0.4	32
20	Minimal Surfaces in the Heisenberg Group. Geometriae Dedicata, 2004, 104, 201-231.	0.1	62
21	The large scale geometry of nilpotent Lie groups. Communications in Analysis and Geometry, 2001, 9, 951-982.	0.2	28