

# Scott D Pauls

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2529301/publications.pdf>

Version: 2024-02-01

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	Minimal Surfaces in the Heisenberg Group. <i>Geometriae Dedicata</i> , 2004, 104, 201-231.	0.1	62
2	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. <i>European Journal of Neuroscience</i> , 2014, 40, 2528-2540.	1.2	48
3	Minimal Surfaces in the Roto-Translation Group with Applications to a Neuro-Biological Image Completion Model. <i>Journal of Mathematical Imaging and Vision</i> , 2010, 36, 1-27.	0.8	47
4	Stability of the World Trade Web over time – An extinction analysis. <i>Journal of Economic Dynamics and Control</i> , 2013, 37, 1889-1910.	0.9	47
5	A spectral clustering approach to the structure of personality: Contrasting the FFM and HEXACO models. <i>Journal of Research in Personality</i> , 2015, 57, 100-109.	0.9	44
6	Seeking and receiving social support on Facebook for surgery. <i>Social Science and Medicine</i> , 2015, 131, 40-47.	1.8	40
7	Deconstructing Circadian Rhythmicity with Models and Manipulations. <i>Trends in Neurosciences</i> , 2016, 39, 405-419.	4.2	39
8	A notion of rectifiability modeled on Carnot groups. <i>Indiana University Mathematics Journal</i> , 2004, 53, 49-82.	0.4	32
9	Topological structures in the equities market network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20589-20594.	3.3	30
10	The large scale geometry of nilpotent Lie groups. <i>Communications in Analysis and Geometry</i> , 2001, 9, 951-982.	0.2	28
11	Encoding seasonal information in a two-oscillator model of the multi-oscillator circadian clock. <i>European Journal of Neuroscience</i> , 2018, 48, 2718-2727.	1.2	18
12	Measures of centrality based on the spectrum of the Laplacian. <i>Physical Review E</i> , 2012, 85, 066127.	0.8	16
13	A network model for characterizing brine channels in sea ice. <i>Cryosphere</i> , 2018, 12, 1013-1026.	1.5	15
14	Convexity and horizontal second fundamental forms for hypersurfaces in Carnot groups. <i>Transactions of the American Mathematical Society</i> , 2010, 362, 4045-4062.	0.5	12
15	A new framework for dynamical models on multiplex networks. <i>Journal of Complex Networks</i> , 2018, 6, 353-381.	1.1	12
16	Spectral clustering methods for multiplex networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 533, 121949.	1.2	12
17	Affinity communities in United Nations voting: Implications for democracy, cooperation, and conflict. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 484, 428-439.	1.2	8
18	The social identity voting model: Ideology and community structures. <i>Research and Politics</i> , 2015, 2, 205316801557041.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Random choices facilitate solutions to collective network coloring problems by artificial agents. IScience, 2021, 24, 102340.	1.9	2
20	Cortical feature maps via geometric models. Journal of Physiology (Paris), 2009, 103, 46-51.	2.1	0
21	The dual problems of coordination and anti-coordination on random bipartite graphs. New Journal of Physics, 2021, 23, 113018.	1.2	0