

Neil F Johnson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3939412/publications.pdf>

Version: 2024-02-01

102
papers

3,493
citations

172207

29
h-index

161609

54
g-index

104
all docs

104
docs citations

104
times ranked

2793
citing authors

#	ARTICLE	IF	CITATIONS
1	Objectively measured teacher and preschooler vocalizations: Phonemic diversity is associated with language abilities. <i>Developmental Science</i> , 2022, 25, e13177.	1.3	8
2	How Social Media Machinery Pulled Mainstream Parenting Communities Closer to Extremes and Their Misinformation During Covid-19. <i>IEEE Access</i> , 2022, 10, 2330-2344.	2.6	11
3	Dynamic Topic Modeling Reveals Variations in Online Hate Narratives. <i>Lecture Notes in Networks and Systems</i> , 2022, , 564-578.	0.5	1
4	Inhalation Toxicity of Talc. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2021, 34, 79-107.	0.7	4
5	Hidden order across online extremist movements can be disrupted by nudging collective chemistry. <i>Scientific Reports</i> , 2021, 11, 9965.	1.6	3
6	Online hate network spreads malicious COVID-19 content outside the control of individual social media platforms. <i>Scientific Reports</i> , 2021, 11, 11549.	1.6	30
7	A Public Health Research Agenda for Managing Infodemics: Methods and Results of the First WHO Infodemiology Conference. <i>JMIR Infodemiology</i> , 2021, 1, e30979.	1.0	78
8	Ladder of Loschmidt anomalies in the deep strong-coupling regime of a qubit-oscillator system. <i>Physical Review A</i> , 2021, 104, .	1.0	1
9	Unifying casualty distributions within and across conflicts. <i>Heliyon</i> , 2020, 6, e04808.	1.4	1
10	Quantifying COVID-19 Content in the Online Health Opinion War Using Machine Learning. <i>IEEE Access</i> , 2020, 8, 91886-91893.	2.6	90
11	The online competition between pro- and anti-vaccination views. <i>Nature</i> , 2020, 582, 230-233.	13.7	417
12	A computational science approach to understanding human conflict. <i>Journal of Computational Science</i> , 2020, 46, 101088.	1.5	4
13	Dynamics of a round object moving along curved surfaces with friction. <i>American Journal of Physics</i> , 2020, 88, 229-237.	0.3	2
14	Facebook Pages, the "Disneyland" Measles Outbreak, and Promotion of Vaccine Refusal as a Civil Right, 2009-2019. <i>American Journal of Public Health</i> , 2020, 110, S312-S318.	1.5	33
15	Emergent dynamics of extremes in a population driven by common information sources and new social media algorithms. <i>Scientific Reports</i> , 2019, 9, 11895.	1.6	2
16	Hidden resilience and adaptive dynamics of the global online hate ecology. <i>Nature</i> , 2019, 573, 261-265.	13.7	114
17	Getting closer to the goal by being less capable. <i>Science Advances</i> , 2019, 5, eaau5902.	4.7	3
18	Universality and correlations in individuals wandering through an online extremist space. <i>Physical Review E</i> , 2018, 97, 032315.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Individual heterogeneity generating explosive system network dynamics. <i>Physical Review E</i> , 2018, 97, 032311.	0.8	7
20	Pulmonary Toxicity of Benzalkonium Chloride. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2018, 31, 1-17.	0.7	27
21	Complexity in Individual Trajectories toward Online Extremism. <i>Complexity</i> , 2018, 2018, 1-9.	0.9	2
22	Impact on the topology of power-law networks from anisotropic and localized access to information. <i>Physical Review E</i> , 2018, 98, .	0.8	2
23	Fundamental patterns and predictions of event size distributions in modern wars and terrorist campaigns. <i>PLoS ONE</i> , 2018, 13, e0204639.	1.1	14
24	Pulsed Generation of Quantum Coherences and Non-classicality in Light-Matter Systems. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	6
25	Generalized Gelation Theory Describes Onset of Online Extremist Support. <i>Physical Review Letters</i> , 2018, 121, 048301.	2.9	11
26	Multiscale dynamical network mechanisms underlying aging of an online organism from birth to death. <i>Scientific Reports</i> , 2018, 8, 3552.	1.6	4
27	To slow or not? Challenges in subsecond networks. <i>Science</i> , 2017, 355, 801-802.	6.0	9
28	Impact of delayed information in sub-second complex systems. <i>Results in Physics</i> , 2017, 7, 3024-3030.	2.0	1
29	Simple visit behavior unifies complex Zika outbreaks. <i>Heliyon</i> , 2017, 3, e00482.	1.4	2
30	Using Competition to Control Congestion in Autonomous Drone Systems. <i>Electronics (Switzerland)</i> , 2017, 6, 31.	1.8	5
31	Host outdoor exposure variability affects the transmission and spread of Zika virus: Insights for epidemic control. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005851.	1.3	34
32	Subsecond Tsunamis and Delays in Decentralized Electronic Systems. <i>Electronics (Switzerland)</i> , 2017, 6, 80.	1.8	1
33	Modelling insurgent attack dynamics across geographic scales and in cyberspace. <i>European Journal of Applied Mathematics</i> , 2016, 27, 357-376.	1.4	2
34	Efficient computational testing of scale-free behavior in real-world systems. <i>Journal of Computational Science</i> , 2016, 12, 77-82.	1.5	0
35	Atypical viral dynamics from transport through popular places. <i>Physical Review E</i> , 2016, 94, 022304.	0.8	9
36	An explanation for the universal 3.5 power-law observed in currency markets. <i>Results in Physics</i> , 2016, 6, 48-49.	2.0	0

#	ARTICLE	IF	CITATIONS
37	Open source data reveals connection between online and on-street protest activity. EPJ Data Science, 2016, 5, 18.	1.5	13
38	New online ecology of adversarial aggregates: ISIS and beyond. Science, 2016, 352, 1459-1463.	6.0	83
39	Quantitative patterns in drone wars. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 380-384.	1.2	2
40	Large dynamic light-matter entanglement from driving neither too fast nor too slow. Physical Review A, 2015, 92, .	1.0	7
41	Internal character dictates transition dynamics between isolation and cohesive grouping. Physical Review E, 2015, 92, 062803.	0.8	4
42	Nonequilibrium Quantum Systems: Divergence between Global and Local Descriptions. Advances in Condensed Matter Physics, 2015, 2015, 1-7.	0.4	14
43	New Dynamical Scaling Universality for Quantum Networks Across Adiabatic Quantum Phase Transitions. Physical Review Letters, 2014, 112, 030403.	2.9	38
44	Regular transport dynamics produce chaotic travel times. Physical Review E, 2014, 89, 062922.	0.8	5
45	Short-Term Forecasting of Taiwanese Earthquakes Using a Universal Model of Fusion-Fission Processes. Scientific Reports, 2014, 4, 3624.	1.6	7
46	Crowd-Anticrowd Theory of Dynamical Behavior in Competitive, Multi-Agent Autonomous Systems and Networks. Journal of Computational Intelligence and Electronic Systems, 2014, 3, 256-277.	0.1	4
47	Modeling Insurgent Dynamics Including Heterogeneity. Journal of Statistical Physics, 2013, 151, 395-413.	0.5	12
48	Quantum Criticality Stabilizes High T_c Superconductivity Against Competing Symmetry-Breaking Instabilities. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2611-2616.	0.8	3
49	Transition in the waiting-time distribution of price-change events in a global socioeconomic system. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 6458-6469.	1.2	3
50	Simple mathematical law benchmarks human confrontations. Scientific Reports, 2013, 3, 3463.	1.6	33
51	Quantum emitters dynamically coupled to a quantum field. , 2013, , .		0
52	PERSISTENT PATTERNS IN MICROTUBULE DIPOLE LATTICES. International Journal of Modeling, Simulation, and Scientific Computing, 2013, 16, 1350033.	0.9	1
53	UNDERSTANDING COMPLEX DYNAMICS IN DERIVATIVES FINANCE: WHY DO OPTIONS MARKETS SMILE?. International Journal of Modeling, Simulation, and Scientific Computing, 2012, 15, 1250050.	0.9	4
54	Dynamical clustering of exchange rates. Quantitative Finance, 2012, 12, 1493-1520.	0.9	50

#	ARTICLE	IF	CITATIONS
55	Equivalent dynamical complexity in a many-body quantum and collective human system. AIP Advances, 2011, 1, 012114.	0.6	16
56	Ecology and economics. Nature, 2011, 469, 302-303.	13.7	55
57	NETWORK AUTOMATA: COUPLING STRUCTURE AND FUNCTION IN DYNAMIC NETWORKS. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 317-339.	0.9	16
58	Self-organized global control of carbon emissions. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3546-3551.	1.2	2
59	Effect of social group dynamics on contagion. Physical Review E, 2010, 81, 056107.	0.8	33
60	Human group formation in online guilds and offline gangs driven by a common team dynamic. Physical Review E, 2009, 79, 066117.	0.8	69
61	Anomalously Slow Attrition Times for Asymmetric Populations with Internal Group Dynamics. Physical Review Letters, 2009, 103, 148701.	2.9	14
62	DYNAMICAL CLUSTERING AS A GENERATOR OF COMPLEX SYSTEM DYNAMICS. Mathematical Models and Methods in Applied Sciences, 2009, 19, 1539-1565.	1.7	15
63	THE MIRAGE OF TRIANGULAR ARBITRAGE IN THE SPOT FOREIGN EXCHANGE MARKET. International Journal of Theoretical and Applied Finance, 2009, 12, 1105-1123.	0.2	22
64	Common ecology quantifies human insurgency. Nature, 2009, 462, 911-914.	13.7	183
65	Relating the microscopic rules in coalescence-fragmentation models to the cluster-size distribution. European Physical Journal B, 2009, 72, 289-302.	0.6	12
66	Efficiency of energy transfer in a light-harvesting system under quantum coherence. Physical Review B, 2008, 78, .	1.1	268
67	Mathematics, Physics, and Crime. Policing (Oxford), 2008, 2, 160-166.	0.9	4
68	Complexity in Human Conflict. Understanding Complex Systems, 2008, , 303-320.	0.3	7
69	Multi-agent complex systems and many-body physics. Europhysics Letters, 2006, 74, 923-929.	0.7	7
70	Interplay between function and structure in complex networks. Physical Review E, 2006, 74, 026116.	0.8	32
71	Scheme for on-resonance generation of entanglement in time-dependent asymmetric two-qubit-cavity systems. Physical Review A, 2004, 70, .	1.0	35
72	Ultrafast optical signature of quantum superpositions in a nanostructure. Physical Review B, 2002, 66, .	1.1	14

#	ARTICLE	IF	CITATIONS
73	Decoherence of quantum registers. <i>Physical Review A</i> , 2002, 65, .	1.0	167
74	Quantum Comparison Machines with One-Sided Error. <i>Quantum Information Processing</i> , 2002, 1, 253-256.	1.0	1
75	Deterministic dynamics in the minority game. <i>Physical Review E</i> , 2001, 65, 016105.	0.8	33
76	Theory of the evolutionary minority game. <i>Physical Review E</i> , 2000, 62, 4393-4396.	0.8	57
77	Quantum entanglement and information processing via excitons in optically driven quantum dots. <i>Physical Review A</i> , 2000, 62, .	1.0	107
78	NMR-based nanostructure switch for quantum logic. <i>Physical Review B</i> , 2000, 62, R2267-R2270.	1.1	16
79	Self-Organized Segregation within an Evolving Population. <i>Physical Review Letters</i> , 1999, 82, 3360-3363.	2.9	133
80	Entangled Bell and Greenberger-Horne-Zeilinger States of Excitons in Coupled Quantum Dots. <i>Physical Review Letters</i> , 1999, 83, 2270-2273.	2.9	177
81	Self-organized segregation of traders within a market. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 2013-2018.	1.6	3
82	Optics with Quantum Hall Skyrmions. <i>International Journal of Modern Physics B</i> , 1998, 12, 1-35.	1.0	6
83	A possible nanometer-scale computing device based on an adding cellular automaton. <i>Applied Physics Letters</i> , 1997, 70, 2321-2323.	1.5	42
84	Kinetics of Nasal Epithelial Cell Loss and Proliferation in F344 Rats Following a Single Exposure to 0.5 ppm Ozone. <i>Toxicology and Applied Pharmacology</i> , 1997, 143, 75-82.	1.3	28
85	Alternative Method for Determining the Shear Deformation Potential of the Valence Band in III-V Semiconductor Quantum Wells. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 343-348.	0.7	1
86	Electron correlations in mesoscopic structures. <i>Contemporary Physics</i> , 1995, 36, 377-387.	0.8	3
87	Phagosomal pH and glass fiber dissolution in cultured nasal epithelial cells and alveolar macrophages: a preliminary study.. <i>Environmental Health Perspectives</i> , 1994, 102, 97-102.	2.8	59
88	Resonant phenomena involving bound-to-continuum transitions in quantum wells. <i>Applied Physics Letters</i> , 1993, 63, 3467-3469.	1.5	2
89	Superlattice excitons and optical absorption. <i>Journal of Applied Physics</i> , 1993, 74, 7369-7378.	1.1	14
90	Fiber-induced hydroxyl radical formation: correlation with mesothelioma induction in rats and humans. <i>Carcinogenesis</i> , 1992, 13, 2035-2039.	1.3	48

#	ARTICLE	IF	CITATIONS
91	Carcinogenicity of the insulation wools: Reassessment of the IARC evaluation. <i>Regulatory Toxicology and Pharmacology</i> , 1991, 14, 12-23.	1.3	14
92	Proliferative responses of rat nasal epithelia to ozone. <i>Toxicology and Applied Pharmacology</i> , 1990, 103, 143-155.	1.3	66
93	Epithelial Progenitor Cells in the Rat Trachea. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1990, 3, 579-585.	1.4	77
94	LONG-TERM HEALTH EFFECTS IN HAMSTERS AND RATS EXPOSED CHRONICALLY TO MAN-MADE VITREOUS FIBRES [*] . <i>Annals of Occupational Hygiene</i> , 1987, 31, 731-54.	1.9	107
95	Asbestos-induced changes in rat lung parenchyma. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1987, 21, 193-203.	1.1	4
96	Multipotential behaviour of cloned rat mesothelioma cells with epithelial phenotype. <i>British Journal of Cancer</i> , 1985, 51, 245-252.	2.9	12
97	Analysis of fibres recovered from lung tissue. <i>Lung</i> , 1984, 162, 37-47.	1.4	6
98	Histology and ultrastructure of serially transplanted rat mesotheliomas. <i>British Journal of Cancer</i> , 1982, 46, 294-299.	2.9	23
99	Preliminary observations of the effect of inhalation of PVC in man and experimental animals.. <i>Environmental Health Perspectives</i> , 1981, 41, 83-84.	2.8	7
100	Sectioning and imaging hard mineral fibres in biological tissues. <i>Journal of Microscopy</i> , 1981, 122, 87-92.	0.8	6
101	Endocrine cell proliferation in the rat lung following asbestos inhalation. <i>Lung</i> , 1980, 158, 221-228.	1.4	38
102	Connectivity Between Russian Information Sources and Extremist Communities Across Social Media Platforms. <i>Frontiers in Political Science</i> , 0, 4, .	1.0	3