

# Julyan Cartwright

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1145153/julyan-cartwright-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139  
papers

3,797  
citations

34  
h-index

59  
g-index

149  
ext. papers

4,303  
ext. citations

5.3  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
139	Calcium carbonate polymorphism and its role in biomineralization: how many amorphous calcium carbonates are there?. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11960-70	16.4	252
138	Ice structures, patterns, and processes: A view across the icefields. <i>Reviews of Modern Physics</i> , <b>2012</b> , 84, 885-944	40.5	242
137	The dynamics of nacre self-assembly. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 491-504	4.1	191
136	Dynamics of a small neutrally buoyant sphere in a fluid and targeting in Hamiltonian systems. <i>Physical Review Letters</i> , <b>2000</b> , 84, 5764-7	7.4	157
135	Formation of Chemical Gardens. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 256, 351-359	9.3	156
134	From Chemical Gardens to Chemobrionics. <i>Chemical Reviews</i> , <b>2015</b> , 115, 8652-703	68.1	155
133	Fluid-dynamical basis of the embryonic development of left-right asymmetry in vertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 7234-9	11.5	154
132	Mineral bridges in nacre. <i>Journal of Structural Biology</i> , <b>2011</b> , 176, 330-9	3.4	122
131	Frontiers of chaotic advection. <i>Reviews of Modern Physics</i> , <b>2017</b> , 89,	40.5	106
130	THE DYNAMICS OF RUNGE-KUTTA METHODS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1992</b> , 02, 427-449	2	100
129	Spiral precipitation patterns in confined chemical gardens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17363-7	11.5	90
128	Chaotic advection in three-dimensional unsteady incompressible laminar flow. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 316, 259-284	3.7	80
127	From Chemical Gardens to Fuel Cells: Generation of Electrical Potential and Current Across Self-Assembling Iron Mineral Membranes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8184-7	16.4	72
126	The key role of the surface membrane in why gastropod nacre grows in towers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 38-43	11.5	72
125	Ostwald ripening, chiral crystallization, and the common-ancestor effect. <i>Physical Review Letters</i> , <b>2007</b> , 98, 165501	7.4	69
124	DYNAMICS OF ELASTIC EXCITABLE MEDIA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1999</b> , 09, 2197-2202	2	66
123	Labyrinthine Turing pattern formation in the cerebral cortex. <i>Journal of Theoretical Biology</i> , <b>2002</b> , 217, 97-103	2.3	59

122	Chiral symmetry breaking during crystallization: an advection-mediated nonlinear autocatalytic process. <i>Physical Review Letters</i> , <b>2004</b> , 93, 035502	7.4	58
121	The cuttlefish <i>Sepia officinalis</i> (Sepiidae, Cephalopoda) constructs cuttlebone from a liquid-crystal precursor. <i>Scientific Reports</i> , <b>2015</b> , 5, 11513	4.9	56
120	Burrige-Knopoff Models as Elastic Excitable Media. <i>Physical Review Letters</i> , <b>1997</b> , 79, 527-530	7.4	56
119	Chemical-garden formation, morphology, and composition. I. Effect of the nature of the cations. <i>Langmuir</i> , <b>2011</b> , 27, 3286-93	4	52
118	Spiral and target patterns in bivalve nacre manifest a natural excitable medium from layer growth of a biological liquid crystal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 10499-504	11.5	52
117	Fluid dynamics in developmental biology: moving fluids that shape ontogeny. <i>HFSP Journal</i> , <b>2009</b> , 3, 77-93		51
116	Physics and chemistry of icy particles in the universe: answers from microgravity. <i>Planetary and Space Science</i> , <b>2003</b> , 51, 473-494	2	50
115	Genericity of confined chemical garden patterns with regard to changes in the reactants. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 12804-11	3.6	48
114	Emergent global oscillations in heterogeneous excitable media: the example of pancreatic beta cells. <i>Physical Review E</i> , <b>2000</b> , 62, 1149-54	2.4	46
113	THE BOGDANOV MAP: BIFURCATIONS, MODE LOCKING, AND CHAOS IN A DISSIPATIVE SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1993</b> , 03, 803-842	2	43
112	Nonlinear Dynamics of the Perceived Pitch of Complex Sounds. <i>Physical Review Letters</i> , <b>1999</b> , 82, 5389-5392	3.2	41
111	Fuzzy Control of Chaos. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1998</b> , 08, 1743-1747	2	40
110	Embryonic nodal flow and the dynamics of nodal vesicular parcels. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 49-55	4.1	39
109	Chemical gardens from silicates and cations of group 2: a comparative study of composition, morphology and microstructure. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 1030-6	3.6	38
108	Thermodynamics, Disequilibrium, Evolution: Far-From-Equilibrium Geological and Chemical Considerations for Origin-Of-Life Research. <i>Origins of Life and Evolution of Biospheres</i> , <b>2017</b> , 47, 39-56	1.5	36
107	Wavy membranes and the growth rate of a planar chemical garden: Enhanced diffusion and bioenergetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 9182-6	11.5	35
106	Organic membranes determine the pattern of the columnar prismatic layer of mollusc shells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	35
105	Dynamics of Finite-Size Particles in Chaotic Fluid Flows. <i>Understanding Complex Systems</i> , <b>2010</b> , 51-87	0.4	34

104	Beyond crystals: the dialectic of materials and information. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 2807-22	3	33
103	Direct and Reverse Chemical Garden Patterns Grown upon Injection in Confined Geometries. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 15067-15076	3.8	31
102	On the differing growth mechanisms of black-smoker and Lost City-type hydrothermal vents. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2017</b> , 473, 20170387	2.4	30
101	Brinicles as a case of inverse chemical gardens. <i>Langmuir</i> , <b>2013</b> , 29, 7655-60	4	29
100	Nonlinear stiffness, Lyapunov exponents, and attractor dimension. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1999</b> , 264, 298-302	2.3	28
99	Global diffusion in a realistic three-dimensional time-dependent nonturbulent fluid flow. <i>Physical Review Letters</i> , <b>1995</b> , 75, 3669-3672	7.4	28
98	Bailout embeddings and neutrally buoyant particles in three-dimensional flows. <i>Physical Review Letters</i> , <b>2002</b> , 89, 264501	7.4	26
97	Bailout embeddings, targeting of invariant tori, and the control of Hamiltonian chaos. <i>Physical Review E</i> , <b>2002</b> , 65, 045203	2.4	26
96	Chemical-garden formation, morphology, and composition. II. Chemical gardens in microgravity. <i>Langmuir</i> , <b>2011</b> , 27, 3294-300	4	25
95	Pitch perception: a dynamical-systems perspective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 4855-9	11.5	25
94	From Chemical Gardens to Fuel Cells: Generation of Electrical Potential and Current Across Self-Assembling Iron Mineral Membranes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8302-8305	3.6	22
93	Fluid dynamics of nodal flow and left-right patterning in development. <i>Developmental Dynamics</i> , <b>2008</b> , 237, 3477-90	2.9	22
92	Die Polyamorphie von Calciumcarbonat und ihre Bedeutung für die Biomineralisation: Wie viele amorphe Calciumcarbonat-Phasen gibt es?. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12126-12137	3.6	21
91	Passive scalars and three-dimensional Liouvillean maps. <i>Physica D: Nonlinear Phenomena</i> , <b>1994</b> , 76, 22-33	3.3	21
90	Pattern formation in crystal growth: Liesegang rings. <i>Computer Physics Communications</i> , <b>1999</b> , 121-122, 411-413	4.2	20
89	The Mesoscale Morphologies of Ice Films: Porous and Biomorphous Forms of Ice under Astrophysical Conditions. <i>Astrophysical Journal</i> , <b>2008</b> , 687, 1406-1414	4.7	18
88	Chemobionics: From Self-Assembled Material Architectures to the Origin of Life. <i>Artificial Life</i> , <b>2020</b> , 26, 315-326	1.4	18
87	Dynamics of osmosis in a porous medium. <i>Royal Society Open Science</i> , <b>2014</b> , 1, 140352	3.3	17

86	Chiral symmetry breaking and polymorphism in 1,1'-binaphthyl melt crystallization. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 18758-64	3.4	16
85	The fertile physics of chemical gardens. <i>Physics Today</i> , <b>2016</b> , 69, 44-51	0.9	16
84	Filament dynamics in confined chemical gardens and in filiform corrosion. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 784-793	3.6	16
83	Cement nanotubes: on chemical gardens and cement. <i>Structural Chemistry</i> , <b>2017</b> , 28, 33-37	1.8	13
82	Carbonate-hydroxide chemical-garden tubes in the soda ocean of Enceladus: Abiotic membranes and microtubular forms of calcium carbonate. <i>Icarus</i> , <b>2019</b> , 319, 337-348	3.8	13
81	Noise- and inertia-induced inhomogeneity in the distribution of small particles in fluid flows. <i>Chaos</i> , <b>2002</b> , 12, 489-495	3.3	12
80	Universality in three-frequency resonances. <i>Physical Review E</i> , <b>1999</b> , 59, 2902-2906	2.4	12
79	Self-Assembling Ice Membranes on Europa: Brinicle Properties, Field Examples, and Possible Energetic Systems in Icy Ocean Worlds. <i>Astrobiology</i> , <b>2019</b> , 19, 685-695	3.7	11
78	DNA as information: at the crossroads between biology, mathematics, physics and chemistry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	11
77	The origin of life: the submarine alkaline vent theory at 30. <i>Interface Focus</i> , <b>2019</b> , 9, 20190104	3.9	11
76	Geometric Mixing, Peristalsis, and the Geometric Phase of the Stomach. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130735	3.7	11
75	Aesthetics, Dynamics, and Musical Scales: A Golden Connection. <i>Journal of New Music Research</i> , <b>2002</b> , 31, 51-58	1.1	11
74	Exploding Chemical Gardens: A Phase-Change Clock Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6207-6213	16.4	10
73	Self-assembling iron oxyhydroxide/oxide tubular structures: laboratory-grown and field examples from Rio Tinto. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2016</b> , 472, 20160466	2.4	10
72	Crystal growth as an excitable medium. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 2866-76	3	10
71	Pearls are self-organized natural ratchets. <i>Langmuir</i> , <b>2013</b> , 29, 8370-6	4	10
70	Tsunami: a history of the term and of scientific understanding of the phenomenon in Japanese and Western culture. <i>Notes and Records of the Royal Society</i> , <b>2008</b> , 62, 151-66	0.4	10
69	Fluid-flow-templated self-assembly of calcium carbonate tubes in the laboratory and in biomineralization: The tubules of the watering-pot shells, Clavagelloidea. <i>Acta Biomaterialia</i> , <b>2016</b> , 43, 338-347	10.8	10

68	Theory and simulation of buoyancy-driven convection around growing protein crystals in microgravity. <i>Microgravity Science and Technology</i> , <b>2002</b> , 13, 14-21	1.6	9
67	What kind of a wave is Hokusai's Great wave off Kanagawa ?. <i>Notes and Records of the Royal Society</i> , <b>2009</b> , 63, 119-135	0.4	8
66	An Introduction to Chaotic Advection. <i>NATO ASI Series Series B: Physics</i> , <b>1999</b> , 307-342		8
65	Chaotic dynamics and reversal statistics of the forced spherical pendulum: comparing the Miles equations with experiment. <i>Dynamical Systems</i> , <b>2010</b> , 25, 1-16	0.6	7
64	Dynamics of tidal synchronization and orbit circularization of celestial bodies. <i>Physical Review E</i> , <b>2008</b> , 78, 036216	2.4	7
63	Three-frequency resonances in coupled phase-locked loops. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , <b>2000</b> , 47, 491-497		7
62	Increased methane emissions from deep osmotic and buoyant convection beneath submarine seeps as climate warms. <i>Nature Communications</i> , <b>2016</b> , 7, 13266	17.4	7
61	Chemosensing versus mechanosensing in nodal and Kupffer's vesicle cilia and in other left-right organizer organs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190566	5.8	6
60	Two musical paths to the Farey series and devil's staircase. <i>Journal of Mathematics and Music</i> , <b>2010</b> , 4, 57-74	0.3	6
59	Ice films follow structure zone model morphologies. <i>Thin Solid Films</i> , <b>2010</b> , 518, 3422-3427	2.2	6
58	Pattern formation in solutal convection: vermiculated rolls and isolated cells. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2002</b> , 314, 291-298	3.3	6
57	Filiform corrosion as a pressure-driven delamination process. <i>Soft Matter</i> , <b>2019</b> , 15, 803-812	3.6	5
56	Influence of microstructure on the transitions between mesoscopic thin-film morphologies in ballistic-diffusive models. <i>Physical Review E</i> , <b>2010</b> , 81, 011140	2.4	5
55	Fluid dynamics of establishing left-right patterning in development. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , <b>2008</b> , 84, 95-101		5
54	On modular smoothing and scaling functions for mode locking. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1992</b> , 163, 63-67	2.3	5
53	Intrinsic concentration cycles and high ion fluxes in self-assembled precipitate membranes. <i>Interface Focus</i> , <b>2019</b> , 9, 20190064	3.9	5
52	De nive sexangula: a history of ice and snow [part 1]. <i>Weather</i> , <b>2016</b> , 71, 291-294	0.9	4
51	Exploding Chemical Gardens: A Phase-Change Clock Reaction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6273-6279	3.6	4

50	THREE-FREQUENCY RESONANCES IN DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>1999</b> , 09, 2181-2187	2	4
49	Newton maps: fractals from Newton's method for the circle map. <i>Computers and Graphics</i> , <b>1999</b> , 23, 607-682		4
48	Möbius Strips Before Möbius: Topological Hints in Ancient Representations. <i>Mathematical Intelligencer</i> , <b>2016</b> , 38, 69-76	0.2	4
47	Icy hell in history of ice and snow [part 2]. <i>Weather</i> , <b>2017</b> , 72, 102-106	0.9	3
46	Growth of Self-Assembling Tubular Structures of Magnesium Oxy/Hydroxide and Silicate Related With Seafloor Hydrothermal Systems Driven by Serpentinization. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 2813-2822	3.6	3
45	Chemobronic Fabrication of Hierarchical Self-Assembling Nanostructures of Copper Oxide and Hydroxide. <i>ChemSystemsChem</i> , <b>2019</b> , 1, e1900011	3.1	3
44	Nacre: A Unique Biomaterial Patterned by Liquid Crystals. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1094, 1		3
43	Is the Mexican wave really a ripple of excitation?. <i>Europhysics News</i> , <b>2006</b> , 37, 22-23	0.2	3
42	Bubbling and on-off intermittency in bailout embeddings. <i>Physical Review E</i> , <b>2003</b> , 68, 016217	2.4	3
41	Convective flow driven by a chemical nanopump. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	3
40	Nacre Is a Liquid-Crystal Thermometer of the Oceans. <i>ACS Nano</i> , <b>2020</b> , 14, 9277-9281	16.7	3
39	The bee builds its comb like a crystal. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200187	4.1	3
38	Filament dynamics in planar chemical gardens. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 5222-5235	3.6	3
37	A Tungstate Chemical Garden. <i>ChemSystemsChem</i> , <b>2020</b> , 2, e2000023	3.1	2
36	Geometric phases in discrete dynamical systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2016</b> , 380, 3485-3489	2.3	2
35	Directed self-assembly, genomic assembly complexity and the formation of biological structure, or, what are the genes for nacre?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2016</b> , 374,	3	2
34	A minimal dynamical model for tidal synchronization and orbit circularization. <i>Celestial Mechanics and Dynamical Astronomy</i> , <b>2011</b> , 109, 181-200	1.4	2
33	Publisher's Note: Bailout embeddings, targeting of invariant tori, and the control of Hamiltonian chaos [Phys. Rev. E 65, 045203 (2002)]. <i>Physical Review E</i> , <b>2002</b> , 65,	2.4	2

32	NOISE-INDUCED ORDER OUT OF CHAOS BY BAILOUT EMBEDDING. <i>Fluctuation and Noise Letters</i> , <b>2002</b> , 02, R161-R174	1.2	2
31	A new nonlinear model for pitch perception. <i>Lecture Notes in Physics</i> , <b>1999</b> , 205-216	0.8	2
30	Chemical Gardens Under Mars Conditions: Imaging Chemical Garden Growth In Situ in an Environmental Scanning Electron Microscope. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL092883	4.9	2
29	Evidence for a liquid-crystal precursor involved in the formation of the crossed-lamellar microstructure of the mollusc shell. <i>Acta Biomaterialia</i> , <b>2021</b> , 120, 12-19	10.8	2
28	Filament dynamics in vertical confined chemical gardens. <i>Chaos</i> , <b>2022</b> , 32, 053107	3.3	2
27	Stokes at 200: a celebration of the remarkable achievements of Sir George Gabriel Stokes two hundred years after his birth. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190505	3	1
26	Chaos and periodicities in a climatic time series of the Iberian Margin. <i>Chaos</i> , <b>2020</b> , 30, 063126	3.3	1
25	Runaway electrification of friable self-replicating granular matter. <i>Langmuir</i> , <b>2013</b> , 29, 12874-8	4	1
24	Hot ice and wondrous strange snow in history of ice and snow in part 3. <i>Weather</i> , <b>2017</b> , 72, 272-275	0.9	1
23	Turbulent skin-friction drag on a slender body of revolution and Gray's Paradox. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 318, 022042	0.3	1
22	Fronts between rhythms: spatiotemporal dynamics of extended polyrhythmic media. <i>Physical Review Letters</i> , <b>2007</b> , 99, 174101	7.4	1
21	Stranger than fiction. <i>Nature</i> , <b>2001</b> , 412, 683	50.4	1
20	Formation and Structures of Horizontal Submarine Fluid Conduit and Venting Systems Associated With Marine Seeps. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2021GC009724	3.6	1
19	Geometric mixing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200168	3	1
18	The fluid mechanics of poohsticks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190522	3	1
17	Dynamical Systems, Celestial Mechanics, and Music: Pythagoras Revisited. <i>Mathematical Intelligencer</i> , <b>2021</b> , 43, 25-39	0.2	1
16	Bonaventura Cavalieri and Bologna. <i>Mathematical Intelligencer</i> , <b>2018</b> , 40, 21-29	0.2	1
15	The Transport of Small Particles by a Fluid. <i>Lecture Notes in Physics</i> , <b>2001</b> , 114-124	0.8	1



14	Why Eastern snowflakes are six-sided while Western snowflakes are unique  history of ice and snow  part 4. <i>Weather</i> , <b>2017</b> , 72, 306-309	0.9	○
13	Effects of microstructures on mesoscopic morphological transitions in deposition growth models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2009</b> , 465, 3875-3884 <sup>2.4</sup>	2.4	○
12	Stokes' law, viscometry, and the Stokes falling sphere clock. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200214	3	○
11	Thermo-kinetic explosions: Safety first or safety last?. <i>Physics of Fluids</i> , <b>2021</b> , 33, 031401	4.4	○
10	Ice polyamorphism in the minimal Mercedes-Benz model of water. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 244503	3.9	
9	Happy birthday Alan: a Festschrift for Alan Mackay. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2012</b> , 370, 2823-2823	3	
8	AGENT-BASED SOCIAL SIMULATION: A DYNAMICAL-SYSTEMS VIEWPOINT. <i>Cybernetics and Systems</i> , <b>2010</b> , 41, 281-286	1.9	
7	Microstructures in the chemical gardens formation. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1097, 1097-GG07-08-01		
6	Nonlinear Dynamics, the Missing Fundamental, and Harmony. <i>Communications in Computer and Information Science</i> , <b>2009</b> , 168-188	0.3	
5	Radial spreading of turbulent bubble plumes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190513	3	
4	Stokes, Tyndall, Ruskin and the nineteenth-century beginnings of climate science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200064	3	
3	Stokes at 200 (part 2). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200160	3	
2	Nonlinear dynamics determines the thermodynamic instability of condensed matter. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190534	3	
1	Non-power positional number representation systems, bijective numeration, and the Mesoamerican discovery of zero. <i>Heliyon</i> , <b>2021</b> , 7, e06580	3.6	