

# Julyan Cartwright

## List of Publications by Year in Descending Order

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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	Filament dynamics in vertical confined chemical gardens. <i>Chaos</i> , <b>2022</b> , 32, 053107	3.3	2
138	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
137	Non-power positional number representation systems, bijective numeration, and the Mesoamerican discovery of zero. <i>Heliyon</i> , <b>2021</b> , 7, e06580	3.6	
136	Thermo-kinetic explosions: Safety first or safety last?. <i>Physics of Fluids</i> , <b>2021</b> , 33, 031401	4.4	0
135	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
134	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
133	Dynamical Systems, Celestial Mechanics, and Music: Pythagoras Revisited. <i>Mathematical Intelligencer</i> , <b>2021</b> , 43, 25-39	0.2	1
132	Filament dynamics in planar chemical gardens. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 5222-5235	3.6	3
131	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
130	Chaos and periodicities in a climatic time series of the Iberian Margin. <i>Chaos</i> , <b>2020</b> , 30, 063126	3.3	1
129	A Tungstate Chemical Garden. <i>ChemSystemsChem</i> , <b>2020</b> , 2, e2000023	3.1	2
128	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, 20190588	5.8	6
127	Convective flow driven by a chemical nanopump. <i>Physical Review Fluids</i> , <b>2020</b> , 5,	2.8	3
126	Radial spreading of turbulent bubble plumes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190513	3	
125	Nacre Is a Liquid-Crystal Thermometer of the Oceans. <i>ACS Nano</i> , <b>2020</b> , 14, 9277-9281	16.7	3
124	The bee builds its comb like a crystal. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200187	4.1	3
123	Chemobionics: From Self-Assembled Material Architectures to the Origin of Life. <i>Artificial Life</i> , <b>2020</b> , 26, 315-326	1.4	18

122	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	
121	Stokes at 200 (part 2). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200160	3	
120	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	
119	Geometric mixing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20200168	3	1
118	The fluid mechanics of poohsticks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2020</b> , 378, 20190522	3	1
117	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	0
116	Filiform corrosion as a pressure-driven delamination process. <i>Soft Matter</i> , <b>2019</b> , 15, 803-812	3.6	5
115	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
114	Exploding Chemical Gardens: A Phase-Change Clock Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6207-6213	16.4	10
113	Chemobronic Fabrication of Hierarchical Self-Assembling Nanostructures of Copper Oxide and Hydroxide. <i>ChemSystemsChem</i> , <b>2019</b> , 1, e1900011	3.1	3
112	Exploding Chemical Gardens: A Phase-Change Clock Reaction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6273-6279	3.6	4
111	The origin of life: the submarine alkaline vent theory at 30. <i>Interface Focus</i> , <b>2019</b> , 9, 20190104	3.9	11
110	Intrinsic concentration cycles and high ion fluxes in self-assembled precipitate membranes. <i>Interface Focus</i> , <b>2019</b> , 9, 20190064	3.9	5
109	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
108	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
107	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
106	Bonaventura Cavalieri and Bologna. <i>Mathematical Intelligencer</i> , <b>2018</b> , 40, 21-29	0.2	1
105	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

104	Cement nanotubes: on chemical gardens and cement. <i>Structural Chemistry</i> , <b>2017</b> , 28, 33-37	1.8	13
103	Icy hell ⅃ history of ice and snow ⅃part 2. <i>Weather</i> , <b>2017</b> , 72, 102-106	0.9	3
102	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	0
101	Hot ice and wondrous strange snow ⅃ history of ice and snow ⅃part 3. <i>Weather</i> , <b>2017</b> , 72, 272-275	0.9	1
100	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 <sup>2.4</sup>		30
99	Frontiers of chaotic advection. <i>Reviews of Modern Physics</i> , <b>2017</b> , 89,	40.5	106
98	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
97	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
96	De nive sexangula ⅃ history of ice and snow ⅃part 1. <i>Weather</i> , <b>2016</b> , 71, 291-294	0.9	4
95	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
94	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
93	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
92	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
91	The fertile physics of chemical gardens. <i>Physics Today</i> , <b>2016</b> , 69, 44-51	0.9	16
90	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
89	Möbius Strips Before Möbius: Topological Hints in Ancient Representations. <i>Mathematical Intelligencer</i> , <b>2016</b> , 38, 69-76	0.2	4
88	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
87	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

86	From Chemical Gardens to Chemobionics. <i>Chemical Reviews</i> , <b>2015</b> , 115, 8652-703	68.1	155
85	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
84	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
83	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
82	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
81	Geometric Mixing, Peristalsis, and the Geometric Phase of the Stomach. <i>PLoS ONE</i> , <b>2015</b> , 10, e0130735	3.7	11
80	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
79	Dynamics of osmosis in a porous medium. <i>Royal Society Open Science</i> , <b>2014</b> , 1, 140352	3.3	17
78	Brinicles as a case of inverse chemical gardens. <i>Langmuir</i> , <b>2013</b> , 29, 7655-60	4	29
77	Runaway electrification of friable self-replicating granular matter. <i>Langmuir</i> , <b>2013</b> , 29, 12874-8	4	1
76	Pearls are self-organized natural ratchets. <i>Langmuir</i> , <b>2013</b> , 29, 8370-6	4	10
75	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
74	Calcium carbonate polyamorphism 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
73	Ice polyamorphism in the minimal Mercedes-Benz model of water. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 244503	3.9	
72	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
71	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	
70	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
69	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

68	Mineral bridges in nacre. <i>Journal of Structural Biology</i> , <b>2011</b> , 176, 330-9	3.4	122
67	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
66	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
65	Chemical-garden formation, morphology, and composition. II. Chemical gardens in microgravity. <i>Langmuir</i> , <b>2011</b> , 27, 3294-300	4	25
64	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
63	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
62	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
61	AGENT-BASED SOCIAL SIMULATION: A DYNAMICAL-SYSTEMS VIEWPOINT. <i>Cybernetics and Systems</i> , <b>2010</b> , 41, 281-286	1.9	
60	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
59	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
58	Ice films follow structure zone model morphologies. <i>Thin Solid Films</i> , <b>2010</b> , 518, 3422-3427	2.2	6
57	Dynamics of Finite-Size Particles in Chaotic Fluid Flows. <i>Understanding Complex Systems</i> , <b>2010</b> , 51-87	0.4	34
56	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
55	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
54	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
53	Fluid dynamics in developmental biology: moving fluids that shape ontogeny. <i>HFSP Journal</i> , <b>2009</b> , 3, 77-93		51
52	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	2.4	0
51	Nonlinear Dynamics, the Missing Fundamental, and Harmony. <i>Communications in Computer and Information Science</i> , <b>2009</b> , 168-188	0.3	

50	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
49	Microstructures in the chemical gardens formation. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1097, 1097-GG07-08-01		
48	Nacre: A Unique Biomaterial Patterned by Liquid Crystals. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1094, 1		3
47	Dynamics of tidal synchronization and orbit circularization of celestial bodies. <i>Physical Review E</i> , <b>2008</b> , 78, 036216	2.4	7
46	Fluid dynamics of nodal flow and left-right patterning in development. <i>Developmental Dynamics</i> , <b>2008</b> , 237, 3477-90	2.9	22
45	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
44	The Mesoscale Morphologies of Ice Films: Porous and Biomorphic Forms of Ice under Astrophysical Conditions. <i>Astrophysical Journal</i> , <b>2008</b> , 687, 1406-1414	4.7	18
43	Ostwald ripening, chiral crystallization, and the common-ancestor effect. <i>Physical Review Letters</i> , <b>2007</b> , 98, 165501	7.4	69
42	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
41	The dynamics of nacre self-assembly. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 491-504	4.1	191
40	Fronts between rhythms: spatiotemporal dynamics of extended polyrhythmic media. <i>Physical Review Letters</i> , <b>2007</b> , 99, 174101	7.4	1
39	Is the Mexican wave really a ripple of excitation?. <i>Europhysics News</i> , <b>2006</b> , 37, 22-23	0.2	3
38	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
37	Chiral symmetry breaking during crystallization: an advection-mediated nonlinear autocatalytic process. <i>Physical Review Letters</i> , <b>2004</b> , 93, 035502	7.4	58
36	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
35	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
34	Bubbling and on-off intermittency in bailout embeddings. <i>Physical Review E</i> , <b>2003</b> , 68, 016217	2.4	3
33	Formation of Chemical Gardens. <i>Journal of Colloid and Interface Science</i> , <b>2002</b> , 256, 351-359	9.3	156

32	Labyrinthine Turing pattern formation in the cerebral cortex. <i>Journal of Theoretical Biology</i> , <b>2002</b> , 217, 97-103	2.3	59
31	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
30	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
29	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
28	Bailout embeddings and neutrally buoyant particles in three-dimensional flows. <i>Physical Review Letters</i> , <b>2002</b> , 89, 264501	7.4	26
27	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
26	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
25	NOISE-INDUCED ORDER OUT OF CHAOS BY BAILOUT EMBEDDING. <i>Fluctuation and Noise Letters</i> , <b>2002</b> , 02, R161-R174	1.2	2
24	Aesthetics, Dynamics, and Musical Scales: A Golden Connection. <i>Journal of New Music Research</i> , <b>2002</b> , 31, 51-58	1.1	11
23	Stranger than fiction. <i>Nature</i> , <b>2001</b> , 412, 683	50.4	1
22	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
21	The Transport of Small Particles by a Fluid. <i>Lecture Notes in Physics</i> , <b>2001</b> , 114-124	0.8	1
20	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
19	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
18	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
17	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
16	Universality in three-frequency resonances. <i>Physical Review E</i> , <b>1999</b> , 59, 2902-2906	2.4	12
15	Nonlinear Dynamics of the Perceived Pitch of Complex Sounds. <i>Physical Review Letters</i> , <b>1999</b> , 82, 5389-5392	3.2	41



14	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
13	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
12	Pattern formation in crystal growth: Liesegang rings. <i>Computer Physics Communications</i> , <b>1999</b> , 121-122, 411-413	4.2	20
11	Newton maps: fractals from Newton's method for the circle map. <i>Computers and Graphics</i> , <b>1999</b> , 23, 607-632	4	4
10	A new nonlinear model for pitch perception. <i>Lecture Notes in Physics</i> , <b>1999</b> , 205-216	0.8	2
9	An Introduction to Chaotic Advection. <i>NATO ASI Series Series B: Physics</i> , <b>1999</b> , 307-342		8
8	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
7	Burridge-Knopoff Models as Elastic Excitable Media. <i>Physical Review Letters</i> , <b>1997</b> , 79, 527-530	7.4	56
6	Chaotic advection in three-dimensional unsteady incompressible laminar flow. <i>Journal of Fluid Mechanics</i> , <b>1996</b> , 316, 259-284	3.7	80
5	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
4	Passive scalars and three-dimensional Liouvillian maps. <i>Physica D: Nonlinear Phenomena</i> , <b>1994</b> , 76, 22-33	3.3	21
3	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
2	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
1	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