

Julyan Cartwright

List of Publications by Year in descending order

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144
papers

4,799
citations

94381

37
h-index

106281

65
g-index

149
all docs

149
docs citations

149
times ranked

4083
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Calcium Carbonate Polyamorphism and Its Role in Biomineralization: How Many Amorphous Calcium Carbonates Are There?. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11960-11970. | 7.2 | 341 |
| 2 | Ice structures, patterns, and processes: A view across the icefields. <i>Reviews of Modern Physics</i> , 2012, 84, 885-944. | 16.4 | 277 |
| 3 | The dynamics of nacre self-assembly. <i>Journal of the Royal Society Interface</i> , 2007, 4, 491-504. | 1.5 | 225 |
| 4 | From Chemical Gardens to Chemobrionics. <i>Chemical Reviews</i> , 2015, 115, 8652-8703. | 23.0 | 216 |
| 5 | Formation of Chemical Gardens. <i>Journal of Colloid and Interface Science</i> , 2002, 256, 351-359. | 5.0 | 185 |
| 6 | 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> , 2004, 101, 7234-7239. | 3.3 | 177 |
| 7 | Dynamics of a Small Neutrally Buoyant Sphere in a Fluid and Targeting in Hamiltonian Systems. <i>Physical Review Letters</i> , 2000, 84, 5764-5767. | 2.9 | 170 |
| 8 | Mineral bridges in nacre. <i>Journal of Structural Biology</i> , 2011, 176, 330-339. | 1.3 | 155 |
| 9 | Frontiers of chaotic advection. <i>Reviews of Modern Physics</i> , 2017, 89, . | 16.4 | 146 |
| 10 | THE DYNAMICS OF RUNGE-KUTTA METHODS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1992, 02, 427-449. | 0.7 | 130 |
| 11 | Spiral precipitation patterns in confined chemical gardens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17363-17367. | 3.3 | 108 |
| 12 | DYNAMICS OF ELASTIC EXCITABLE MEDIA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 2197-2202. | 0.7 | 95 |
| 13 | From Chemical Gardens to Fuel Cells: Generation of Electrical Potential and Current Across Self-Assembling Iron Mineral Membranes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8184-8187. | 7.2 | 92 |
| 14 | 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> , 2009, 106, 38-43. | 3.3 | 89 |
| 15 | Chaotic advection in three-dimensional unsteady incompressible laminar flow. <i>Journal of Fluid Mechanics</i> , 1996, 316, 259-284. | 1.4 | 84 |
| 16 | Ostwald Ripening, Chiral Crystallization, and the Common-Ancestor Effect. <i>Physical Review Letters</i> , 2007, 98, 165501. | 2.9 | 78 |
| 17 | The cuttlefish <i>Sepia officinalis</i> (Sepiidae, Cephalopoda) constructs cuttlebone from a liquid-crystal precursor. <i>Scientific Reports</i> , 2015, 5, 11513. | 1.6 | 71 |
| 18 | Burrige-Knopoff Models as Elastic Excitable Media. <i>Physical Review Letters</i> , 1997, 79, 527-530. | 2.9 | 68 |

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|----|--|-----|-----------|
| 19 | Chiral Symmetry Breaking during Crystallization: An Advection-Mediated Nonlinear Autocatalytic Process. <i>Physical Review Letters</i> , 2004, 93, 035502. | 2.9 | 65 |
| 20 | Labyrinthine Turing Pattern Formation in the Cerebral Cortex. <i>Journal of Theoretical Biology</i> , 2002, 217, 97-103. | 0.8 | 64 |
| 21 | 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> , 2009, 106, 10499-10504. | 3.3 | 63 |
| 22 | Fluid dynamics in developmental biology: Moving fluids that shape ontogeny. <i>HFSP Journal</i> , 2009, 3, 77-93. | 2.5 | 63 |
| 23 | Chemical-Garden Formation, Morphology, and Composition. I. Effect of the Nature of the Cations. <i>Langmuir</i> , 2011, 27, 3286-3293. | 1.6 | 62 |
| 24 | Fuzzy Control of Chaos. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998, 08, 1743-1747. | 0.7 | 61 |
| 25 | Genericity of confined chemical garden patterns with regard to changes in the reactants. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12804-12811. | 1.3 | 54 |
| 26 | Thermodynamics, Disequilibrium, Evolution: Far-From-Equilibrium Geological and Chemical Considerations for Origin-Of-Life Research. <i>Origins of Life and Evolution of Biospheres</i> , 2017, 47, 39-56. | 0.8 | 54 |
| 27 | 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> , 1993, 03, 803-842. | 0.7 | 53 |
| 28 | Physics and chemistry of icy particles in the universe: answers from microgravity. <i>Planetary and Space Science</i> , 2003, 51, 473-494. | 0.9 | 53 |
| 29 | Emergent global oscillations in heterogeneous excitable media: The example of pancreatic β cells. <i>Physical Review E</i> , 2000, 62, 1149-1154. | 0.8 | 50 |
| 30 | 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> , 2016, 113, 9182-9186. | 3.3 | 48 |
| 31 | Organic membranes determine the pattern of the columnar prismatic layer of mollusc shells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160032. | 1.2 | 47 |
| 32 | Embryonic nodal flow and the dynamics of nodal vesicular parcels. <i>Journal of the Royal Society Interface</i> , 2007, 4, 49-56. | 1.5 | 46 |
| 33 | Nonlinear Dynamics of the Perceived Pitch of Complex Sounds. <i>Physical Review Letters</i> , 1999, 82, 5389-5392. | 2.9 | 43 |
| 34 | Chemical gardens from silicates and cations of group 2: a comparative study of composition, morphology and microstructure. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1030-1036. | 1.3 | 42 |
| 35 | Beyond crystals: the dialectic of materials and information. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 2807-2822. | 1.6 | 39 |
| 36 | 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> , 2017, 473, 20170387. | 1.0 | 39 |

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|----|---|-----|-----------|
| 37 | Direct and Reverse Chemical Garden Patterns Grown upon Injection in Confined Geometries. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15067-15076. | 1.5 | 38 |
| 38 | Chemobrionics: From Self-Assembled Material Architectures to the Origin of Life. <i>Artificial Life</i> , 2020, 26, 315-326. | 1.0 | 37 |
| 39 | Dynamics of Finite-Size Particles in Chaotic Fluid Flows. <i>Understanding Complex Systems</i> , 2010, , 51-87. | 0.3 | 37 |
| 40 | What kind of a wave is Hokusai's <i>Great wave off Kanagawa</i> ?. <i>Notes and Records of the Royal Society</i> , 2009, 63, 119-135. | 0.1 | 35 |
| 41 | Nonlinear stiffness, Lyapunov exponents, and attractor dimension. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 264, 298-302. | 0.9 | 34 |
| 42 | Brinicles as a Case of Inverse Chemical Gardens. <i>Langmuir</i> , 2013, 29, 7655-7660. | 1.6 | 33 |
| 43 | Pitch perception: A dynamical-systems perspective. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4855-4859. | 3.3 | 32 |
| 44 | Chemical-Garden Formation, Morphology, and Composition. II. Chemical Gardens in Microgravity. <i>Langmuir</i> , 2011, 27, 3294-3300. | 1.6 | 31 |
| 45 | Global Diffusion in a Realistic Three-Dimensional Time-Dependent Nonturbulent Fluid Flow. <i>Physical Review Letters</i> , 1995, 75, 3669-3672. | 2.9 | 30 |
| 46 | Bailout Embeddings and Neutrally Buoyant Particles in Three-Dimensional Flows. <i>Physical Review Letters</i> , 2002, 89, 264501. | 2.9 | 28 |
| 47 | Bailout embeddings, targeting of invariant tori, and the control of Hamiltonian chaos. <i>Physical Review E</i> , 2002, 65, 045203. | 0.8 | 28 |
| 48 | Pattern formation in crystal growth: Liesegang rings. <i>Computer Physics Communications</i> , 1999, 121-122, 411-413. | 3.0 | 24 |
| 49 | Fluid dynamics of nodal flow and left-right patterning in development. <i>Developmental Dynamics</i> , 2008, 237, 3477-3490. | 0.8 | 24 |
| 50 | Filament dynamics in confined chemical gardens and in filiform corrosion. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 784-793. | 1.3 | 23 |
| 51 | Passive scalars and three-dimensional Liouvillian maps. <i>Physica D: Nonlinear Phenomena</i> , 1994, 76, 22-33. | 1.3 | 22 |
| 52 | From Chemical Gardens to Fuel Cells: Generation of Electrical Potential and Current Across Self-Assembling Iron Mineral Membranes. <i>Angewandte Chemie</i> , 2015, 127, 8302-8305. | 1.6 | 22 |
| 53 | The fertile physics of chemical gardens. <i>Physics Today</i> , 2016, 69, 44-51. | 0.3 | 22 |
| 54 | The origin of life: the submarine alkaline vent theory at 30. <i>Interface Focus</i> , 2019, 9, 20190104. | 1.5 | 21 |

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|----|---|-----|-----------|
| 55 | Self-Assembling Ice Membranes on Europa: Brinicle Properties, Field Examples, and Possible Energetic Systems in Icy Ocean Worlds. <i>Astrobiology</i> , 2019, 19, 685-695. | 1.5 | 21 |
| 56 | Carbonate-hydroxide chemical-garden tubes in the soda ocean of Enceladus: Abiotic membranes and microtubular forms of calcium carbonate. <i>Icarus</i> , 2019, 319, 337-348. | 1.1 | 21 |
| 57 | Universality in three-frequency resonances. <i>Physical Review E</i> , 1999, 59, 2902-2906. | 0.8 | 20 |
| 58 | Dynamics of osmosis in a porous medium. <i>Royal Society Open Science</i> , 2014, 1, 140352. | 1.1 | 20 |
| 59 | Cement nanotubes: on chemical gardens and cement. <i>Structural Chemistry</i> , 2017, 28, 33-37. | 1.0 | 20 |
| 60 | Chiral Symmetry Breaking and Polymorphism in 1,1'-Binaphthyl Melt Crystallization. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18758-18764. | 1.2 | 19 |
| 61 | The Mesoscale Morphologies of Ice Films: Porous and Biomorphic Forms of Ice under Astrophysical Conditions. <i>Astrophysical Journal</i> , 2008, 687, 1406-1414. | 1.6 | 19 |
| 62 | 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> , 2020, 375, 20190566. | 1.8 | 16 |
| 63 | Exploding Chemical Gardens: A Phase-Change Clock Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6207-6213. | 7.2 | 15 |
| 64 | Aesthetics, Dynamics, and Musical Scales: A Golden Connection. <i>Journal of New Music Research</i> , 2002, 31, 51-58. | 0.6 | 14 |
| 65 | Pearls Are Self-Organized Natural Ratchets. <i>Langmuir</i> , 2013, 29, 8370-8376. | 1.6 | 14 |
| 66 | Noise- and inertia-induced inhomogeneity in the distribution of small particles in fluid flows. <i>Chaos</i> , 2002, 12, 489-495. | 1.0 | 13 |
| 67 | 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> , 2008, 62, 151-166. | 0.1 | 13 |
| 68 | Crystal growth as an excitable medium. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 2866-2876. | 1.6 | 13 |
| 69 | Fluid-flow-templated self-assembly of calcium carbonate tubes in the laboratory and in biomineralization: The tubules of the watering-pot shells, <i>Clavagelloidea</i> . <i>Acta Biomaterialia</i> , 2016, 43, 338-347. | 4.1 | 13 |
| 70 | 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> , 2016, 472, 20160466. | 1.0 | 13 |
| 71 | DNA as information: at the crossroads between biology, mathematics, physics and chemistry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150071. | 1.6 | 13 |
| 72 | 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> , 2018, 19, 2813-2822. | 1.0 | 13 |

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|----|---|-----|-----------|
| 73 | Geometric Mixing, Peristalsis, and the Geometric Phase of the Stomach. PLoS ONE, 2015, 10, e0130735. | 1.1 | 12 |
| 74 | Increased methane emissions from deep osmotic and buoyant convection beneath submarine seeps as climate warms. Nature Communications, 2016, 7, 13266. | 5.8 | 12 |
| 75 | Filiform corrosion as a pressure-driven delamination process. Soft Matter, 2019, 15, 803-812. | 1.2 | 11 |
| 76 | Theory and simulation of buoyancy-driven convection around growing protein crystals in microgravity. Microgravity Science and Technology, 2002, 13, 14-21. | 0.7 | 10 |
| 77 | Dynamics of tidal synchronization and orbit circularization of celestial bodies. Physical Review E, 2008, 78, 036216. | 0.8 | 10 |
| 78 | Filament dynamics in planar chemical gardens. Physical Chemistry Chemical Physics, 2021, 23, 5222-5235. | 1.3 | 10 |
| 79 | An Introduction to Chaotic Advection. NATO ASI Series Series B: Physics, 1999, , 307-342. | 0.2 | 10 |
| 80 | Möbius Strips Before Möbius: Topological Hints in Ancient Representations. Mathematical Intelligencer, 2016, 38, 69-76. | 0.1 | 9 |
| 81 | Evidence for a liquid-crystal precursor involved in the formation of the crossed-lamellar microstructure of the mollusc shell. Acta Biomaterialia, 2021, 120, 12-19. | 4.1 | 9 |
| 82 | Chaotic dynamics and reversal statistics of the forced spherical pendulum: comparing the Miles equations with experiment. Dynamical Systems, 2010, 25, 1-16. | 0.2 | 8 |
| 83 | Chemobronic Fabrication of Hierarchical Self-Assembling Nanostructures of Copper Oxide and Hydroxide. ChemSystemsChem, 2019, 1, e1900011. | 1.1 | 8 |
| 84 | Nacre Is a Liquid-Crystal Thermometer of the Oceans. ACS Nano, 2020, 14, 9277-9281. | 7.3 | 8 |
| 85 | The bee <i>Tetragonula</i> builds its comb like a crystal. Journal of the Royal Society Interface, 2020, 17, 20200187. | 1.5 | 8 |
| 86 | Chemical Gardens Under Mars Conditions: Imaging Chemical Garden Growth In Situ in an Environmental Scanning Electron Microscope. Geophysical Research Letters, 2021, 48, e2021GL092883. | 1.5 | 8 |
| 87 | Three-frequency resonances in coupled phase-locked loops. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 491-497. | 0.1 | 7 |
| 88 | Pattern formation in solutal convection: vermiculated rolls and isolated cells. Physica A: Statistical Mechanics and Its Applications, 2002, 314, 291-298. | 1.2 | 7 |
| 89 | Ice films follow structure zone model morphologies. Thin Solid Films, 2010, 518, 3422-3427. | 0.8 | 7 |
| 90 | Two musical paths to the Farey series and devil's staircase. Journal of Mathematics and Music, 2010, 4, 57-74. | 0.3 | 7 |

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| 91 | Exploding Chemical Gardens: A Phase-Change Clock Reaction. <i>Angewandte Chemie</i> , 2019, 131, 6273-6279. | 1.6 | 7 |
| 92 | Intrinsic concentration cycles and high ion fluxes in self-assembled precipitate membranes. <i>Interface Focus</i> , 2019, 9, 20190064. | 1.5 | 7 |
| 93 | A Tungstate Chemical Garden. <i>ChemSystemsChem</i> , 2020, 2, e2000023. | 1.1 | 7 |
| 94 | Archimedean Spirals Form at Low Flow Rates in Confined Chemical Gardens. <i>Langmuir</i> , 2022, 38, 6700-6710. | 1.6 | 7 |
| 95 | On modular smoothing and scaling functions for mode locking. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 163, 63-67. | 0.9 | 6 |
| 96 | Fluid dynamics of establishing left-right patterning in development. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2008, 84, 95-101. | 3.6 | 6 |
| 97 | THREE-FREQUENCY RESONANCES IN DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 2181-2187. | 0.7 | 5 |
| 98 | Newton maps: fractals from Newton's method for the circle map. <i>Computers and Graphics</i> , 1999, 23, 607-612. | 1.4 | 5 |
| 99 | Bubbling and on-off intermittency in bailout embeddings. <i>Physical Review E</i> , 2003, 68, 016217. | 0.8 | 5 |
| 100 | Is the Mexican wave really a ripple of excitation?. <i>Europhysics News</i> , 2006, 37, 22-23. | 0.1 | 5 |
| 101 | Influence of microstructure on the transitions between mesoscopic thin-film morphologies in ballistic-diffusive models. <i>Physical Review E</i> , 2010, 81, 011140. | 0.8 | 5 |
| 102 | The present scope of Biomineralization. <i>Journal of Structural Biology</i> , 2016, 196, 65-66. | 1.3 | 5 |
| 103 | De nive sexangula – a history of ice and snow – part 1. <i>Weather</i> , 2016, 71, 291-294. | 0.6 | 5 |
| 104 | Stokes' law, viscometry, and the Stokes falling sphere clock. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200214. | 1.6 | 5 |
| 105 | Thermo-kinetic explosions: Safety first or safety last?. <i>Physics of Fluids</i> , 2021, 33, . | 1.6 | 5 |
| 106 | Formation and Structures of Horizontal Submarine Fluid Conduit and Venting Systems Associated With Marine Seeps. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009724. | 1.0 | 5 |
| 107 | Nacre: A Unique Biomaterial Patterned by Liquid Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1094, 1. | 0.1 | 4 |
| 108 | Icy hell – a history of ice and snow – part 2. <i>Weather</i> , 2017, 72, 102-106. | 0.6 | 4 |

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|-----|---|------|-----------|
| 109 | Filament dynamics in vertical confined chemical gardens. <i>Chaos</i> , 2022, 32, 053107. | 1.0 | 4 |
| 110 | A minimal dynamical model for tidal synchronization and orbit circularization. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2011, 109, 181-200. | 0.5 | 3 |
| 111 | The fluid mechanics of poohsticks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190522. | 1.6 | 3 |
| 112 | Dynamical Systems, Celestial Mechanics, and Music: Pythagoras Revisited. <i>Mathematical Intelligencer</i> , 2021, 43, 25-39. | 0.1 | 3 |
| 113 | Non-power positional number representation systems, bijective numeration, and the Mesoamerican discovery of zero. <i>Heliyon</i> , 2021, 7, e06580. | 1.4 | 3 |
| 114 | Convective flow driven by a chemical nanopump. <i>Physical Review Fluids</i> , 2020, 5, . | 1.0 | 3 |
| 115 | Publisher's Note: Bailout embeddings, targeting of invariant tori, and the control of Hamiltonian chaos [<i>Phys. Rev. E</i> 65, 045203 (2002)]. <i>Physical Review E</i> , 2002, 65, . | 0.8 | 2 |
| 116 | NOISE-INDUCED ORDER OUT OF CHAOS BY BAILOUT EMBEDDING. <i>Fluctuation and Noise Letters</i> , 2002, 02, R161-R174. | 1.0 | 2 |
| 117 | Geometric phases in discrete dynamical systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3485-3489. | 0.9 | 2 |
| 118 | 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> , 2016, 374, 20150449. | 1.6 | 2 |
| 119 | Hot ice and wondrous strange snow - a history of ice and snow - part 3. <i>Weather</i> , 2017, 72, 272-275. | 0.6 | 2 |
| 120 | A Festschrift for Michael Russell. <i>Interface Focus</i> , 2019, 9, 20190107. | 1.5 | 2 |
| 121 | Chaos and periodicities in a climatic time series of the Iberian Margin. <i>Chaos</i> , 2020, 30, 063126. | 1.0 | 2 |
| 122 | Chemobionics and Systems Chemistry. <i>ChemSystemsChem</i> , 2022, 4, . | 1.1 | 2 |
| 123 | Stranger than fiction. <i>Nature</i> , 2001, 412, 683-683. | 13.7 | 1 |
| 124 | Fronts between Rhythms: Spatiotemporal Dynamics of Extended Polyhythmic Media. <i>Physical Review Letters</i> , 2007, 99, 174101. | 2.9 | 1 |
| 125 | Ice Film Morphologies and the Structure Zone Model. <i>AIP Conference Proceedings</i> , 2008, , . | 0.3 | 1 |
| 126 | Effects of microstructures on mesoscopic morphological transitions in deposition growth models. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2009, 465, 3875-3884. | 1.0 | 1 |

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| 127 | AGENT-BASED SOCIAL SIMULATION: A DYNAMICAL-SYSTEMS VIEWPOINT. <i>Cybernetics and Systems</i> , 2010, 41, 281-286. | 1.6 | 1 |
| 128 | Turbulent skin-friction drag on a slender body of revolution and Gray's Paradox. <i>Journal of Physics: Conference Series</i> , 2011, 318, 022042. | 0.3 | 1 |
| 129 | Runaway Electrification of Friable Self-Replicating Granular Matter. <i>Langmuir</i> , 2013, 29, 12874-12878. | 1.6 | 1 |
| 130 | Why Eastern snowflakes are six-sided while Western snowflakes are unique - a history of ice and snow - part 4. <i>Weather</i> , 2017, 72, 306-309. | 0.6 | 1 |
| 131 | Bonaventura Cavalieri and Bologna. <i>Mathematical Intelligencer</i> , 2018, 40, 21-29. | 0.1 | 1 |
| 132 | Radial spreading of turbulent bubble plumes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190513. | 1.6 | 1 |
| 133 | Geometric mixing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200168. | 1.6 | 1 |
| 134 | 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> , 2020, 378, 20190505. | 1.6 | 1 |
| 135 | The Transport of Small Particles by a Fluid. <i>Lecture Notes in Physics</i> , 2001, , 114-124. | 0.3 | 1 |
| 136 | The dynamics of a sensory apparatus: The case of the auditory system. <i>AIP Conference Proceedings</i> , 2007, , . | 0.3 | 0 |
| 137 | Microstructures in the Formation of Chemical Gardens. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1097, 1097-GG07-08-01. | 0.1 | 0 |
| 138 | Ice polymorphism in the minimal Mercedes-Benz model of water. <i>Journal of Chemical Physics</i> , 2012, 137, 244503. | 1.2 | 0 |
| 139 | Happy birthday Alan: a Festschrift for Alan Mackay. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 2823-2823. | 1.6 | 0 |
| 140 | Stokes, Tyndall, Ruskin and the nineteenth-century beginnings of climate science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200064. | 1.6 | 0 |
| 141 | Stokes at 200 (part 2). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20200160. | 1.6 | 0 |
| 142 | Nonlinear dynamics determines the thermodynamic instability of condensed matter in vacuo. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190534. | 1.6 | 0 |
| 143 | Nonlinear Dynamics, the Missing Fundamental, and Harmony. <i>Communications in Computer and Information Science</i> , 2009, , 168-188. | 0.4 | 0 |
| 144 | Self-Assembled Structures Formed in CO ₂ -Enriched Atmospheres: A Case-Study for Martian Biomimetic Forms. <i>Astrobiology</i> , 0, , . | 1.5 | 0 |