

Giancarlo Ruocco

List of Publications by Year in descending order

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Version: 2024-02-01

458
papers

15,854
citations

16411

64
h-index

28224

105
g-index

476
all docs

476
docs citations

476
times ranked

9476
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring the stabilization effects of SARS-CoV-2 variants on the binding with ACE2 receptor. <i>Communications Biology</i> , 2022, 5, 1421.	2.0	19
2	Thermometer: a webserver to predict protein thermal stability. <i>Bioinformatics</i> , 2022, 38, 2060-2061.	1.8	9
3	Binding site identification of G protein-coupled receptors through a 3D Zernike polynomials-based method: application to <i>C. elegans</i> olfactory receptors. <i>Journal of Computer-Aided Molecular Design</i> , 2022, 36, 11-24.	1.3	8
4	Modeling the instantaneous normal mode spectra of liquids as that of unstable elastic media. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	6
5	Supervised perceptron learning vs unsupervised Hebbian unlearning: Approaching optimal memory retrieval in Hopfield-like networks. <i>Journal of Chemical Physics</i> , 2022, 156, 104107.	1.2	8
6	Rational design and synthesis of a novel BODIPY-based probe for selective imaging of tau tangles in human iPSC-derived cortical neurons. <i>Scientific Reports</i> , 2022, 12, 5257.	1.6	11
7	Computational Modeling of the Thermodynamics of the Mesophilic and Thermophilic Mutants of Trp-Cage Miniprotein. <i>ACS Omega</i> , 2022, 7, 13448-13454.	1.6	3
8	A novel computational strategy for defining the minimal protein molecular surface representation. <i>PLoS ONE</i> , 2022, 17, e0266004.	1.1	2
9	Lactoferrin Inhibition of the Complex Formation between ACE2 Receptor and SARS CoV-2 Recognition Binding Domain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5436.	1.8	12
10	Deep learning for blind structured illumination microscopy. <i>Scientific Reports</i> , 2022, 12, .	1.6	12
11	Direct Visualization and Identification of Membrane Voltage-gated Sodium Channels from Human iPSC-derived Neurons by Multiple Imaging and Light Enhanced Spectroscopy. <i>Small Methods</i> , 2022, 6, .	4.6	2
12	Shape Complementarity Optimization of Antibody-Antigen Interfaces: The Application to SARS-CoV-2 Spike Protein. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, .	1.6	5
13	Worldwide bilateral geopolitical interactions network inferred from national disciplinary profiles. <i>Physical Review Research</i> , 2022, 4, .	1.3	1
14	Spatial organization of hydrophobic and charged residues affects protein thermal stability and binding affinity. <i>Scientific Reports</i> , 2022, 12, .	1.6	21
15	A recurrent neural network model of <i>C. elegans</i> responses to aversive stimuli. <i>Neurocomputing</i> , 2021, 430, 1-13.	3.5	9
16	2D Zernike polynomial expansion: Finding the protein-protein binding regions. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 29-36.	1.9	27
17	Computational optimization of angiotensin-converting enzyme 2 for SARS-CoV-2 Spike molecular recognition. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3006-3014.	1.9	9
18	Optical computation of the spin glass dynamics. , 2021, , .		0

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19	Characterizing Hydropathy of Amino Acid Side Chain in a Protein Environment by Investigating the Structural Changes of Water Molecules Network. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 626837.	1.6	25
20	Do we understand the solid-like elastic properties of confined liquids?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2021288118.	3.3	1
21	Molecular Mechanisms Behind Anti SARS-CoV-2 Action of Lactoferrin. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 607443.	1.6	39
22	Comment on "Collective modes and gapped momentum states in liquid Ga: Experiment, theory, and simulation". <i>Physical Review B</i> , 2021, 103, .	1.1	3
23	MLL4 protein tunes chromatin compaction and regulates nuclear mechanical stress. , 2021, , .		0
24	DMD based scalable computation of the spin glass thermodynamics. , 2021, , .		0
25	Scalable optical computation of the spin glass thermodynamics. , 2021, , .		0
26	Optical computation of a spin glass dynamics with tunable complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	16
27	Does blood type affect the COVID-19 infection pattern?. <i>PLoS ONE</i> , 2021, 16, e0251535.	1.1	23
28	Comment on "Universal Effect of Excitation Dispersion on the Heat Capacity and Gapped States in Fluids". <i>Physical Review Letters</i> , 2021, 126, 229601.	2.9	1
29	Computational optimization of transcranial focused ultrasound stimulation: Toward noninvasive, selective stimulation of deep brain structures. <i>Applied Physics Letters</i> , 2021, 118, 233702.	1.5	1
30	In-Silico Evidence for a Two Receptor Based Strategy of SARS-CoV-2. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 690655.	1.6	57
31	Spatial coherence of light inside three-dimensional media. <i>Nature Communications</i> , 2021, 12, 4199.	5.8	9
32	Asymmetric binomial statistics explains organelle partitioning variance in cancer cell proliferation. <i>Communications Physics</i> , 2021, 4, .	2.0	6
33	Transverse and Quantum Localization of Light: A Review on Theory and Experiments. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
34	C. elegans-based chemosensation strategy for the early detection of cancer metabolites in urine samples. <i>Scientific Reports</i> , 2021, 11, 17133.	1.6	22
35	Quantitative Description of Surface Complementarity of Antibody-Antigen Interfaces. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 749784.	1.6	3
36	Alignment interactions drive structural transitions in biological tissues. <i>Physical Review E</i> , 2021, 104, 044606.	0.8	7

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37	Comment on "Universal Origin of Boson Peak Vibrational Anomalies in Ordered Crystals and in Amorphous Materials". Physical Review Letters, 2021, 127, 179601.	2.9	4
38	A Computational Approach to Investigate TDP-43 RNA-Recognition Motif 2 C-Terminal Fragments Aggregation in Amyotrophic Lateral Sclerosis. Biomolecules, 2021, 11, 1905.	1.8	5
39	Sources and uses of knowledge in a dynamic network technology. International Transactions in Operational Research, 2020, 27, 1821-1844.	1.8	6
40	Mathematical modeling of the Caenorhabditis elegans RMD motor neurons. , 2020, , .		0
41	Network dilution and asymmetry in an efficient brain. Philosophical Magazine, 2020, 100, 2544-2555.	0.7	6
42	Bioprinting stem cells: building physiological tissues one cell at a time. American Journal of Physiology - Cell Physiology, 2020, 319, C465-C480.	2.1	18
43	AWC C. elegans neuron: a biological sensor model. , 2020, , .		1
44	A novel strategy for molecular interfaces optimization: The case of Ferritin-Transferrin receptor interaction. Computational and Structural Biotechnology Journal, 2020, 18, 2678-2686.	1.9	7
45	Non-hydrodynamic modes in viscoelastic behaviour of simple fluids. Philosophical Magazine, 2020, 100, 2568-2581.	0.7	3
46	Reconstructing Nonparametric Productivity Networks. Entropy, 2020, 22, 1401.	1.1	5
47	On the Number of Limit Cycles in Diluted Neural Networks. Journal of Statistical Physics, 2020, 181, 2304-2321.	0.5	5
48	The 17th International Conference on Scientometrics and Informetrics. Scientometrics, 2020, 125, 831-834.	1.6	2
49	MLL4-associated condensates counterbalance Polycomb-mediated nuclear mechanical stress in Kabuki syndrome. Nature Genetics, 2020, 52, 1397-1411.	9.4	53
50	A comparison of three multidisciplinary indices based on the diversity of Scopus subject areas of authors' documents, their bibliography and their citing papers. Scientometrics, 2020, 125, 1145-1158.	1.6	17
51	Characterization of molecular-atomic transformation in fluid hydrogen under pressure via long-wavelength asymptote of charge density fluctuations. Journal of Molecular Liquids, 2020, 312, 113274.	2.3	6
52	Sound damping in glasses: Interplay between anharmonicities and elastic heterogeneities. Physical Review B, 2020, 101, .	1.1	15
53	Simulated Epidemics in 3D Protein Structures to Detect Functional Properties. Journal of Chemical Information and Modeling, 2020, 60, 1884-1891.	2.5	12
54	Exploring the Association Between Sialic Acid and SARS-CoV-2 Spike Protein Through a Molecular Dynamics-Based Approach. Frontiers in Medical Technology, 2020, 2, 614652.	1.3	25

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55	Optonongenetic enhancement of activity in primary cortical neurons. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 643.	0.8	6
56	Velocity autocorrelations across the molecularâ€™atomic fluid transformation in hydrogen under pressure. Condensed Matter Physics, 2020, 23, 23607.	0.3	3
57	Scattering assisted imaging (Conference Presentation). , 2020, , .		0
58	Novel Approaches to the Development and Application of Informetric and Scientometric Tools. Journal of Data and Information Science, 2020, 5, 1-4.	0.5	0
59	Rayleigh scattering and disorder-induced mixing of polarizations in amorphous solids at the nanoscale: 1-octyl-3-methylimidazolium chloride glass. Physical Review B, 2020, 102, .	1.1	1
60	DMD-based scattering assisted imaging with unknown speckle patterns (Conference Presentation). , 2020, , .		0
61	Towards intracellular phase transitions in ALS disease by noncontact Brillouin microscopy (Conference Presentation). , 2020, , .		0
62	Probing the Debye spectrum in glasses using small system sizes. Physical Review Research, 2020, 2, .	1.3	5
63	Novel Approaches to the Development and Application of Informetric and Scientometric Tools. Journal of Data and Information Science, 2020, 5, 1-4.	0.5	0
64	Neuroinflammatory Processes, A1 Astrocyte Activation and Protein Aggregation in the Retina of Alzheimerâ€™s Disease Patients, Possible Biomarkers for Early Diagnosis. Frontiers in Neuroscience, 2019, 13, 925.	1.4	98
65	Theory of elastic constants of athermal amorphous solids with internal stresses. Granular Matter, 2019, 21, 1.	1.1	14
66	Biophysical modeling of C. elegans neurons: Single ion currents and whole-cell dynamics of AWCon and RMD. PLoS ONE, 2019, 14, e0218738.	1.1	27
67	Beyond the Maximum Storage Capacity Limit in Hopfield Recurrent Neural Networks. Entropy, 2019, 21, 726.	1.1	21
68	Self-consistent Euclidean-random-matrix theory. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 464002.	0.7	6
69	Relation between Heterogeneous Frozen Regions in Supercooled Liquids and Non-Debye Spectrum in the Corresponding Glasses. Physical Review Letters, 2019, 123, 155502.	2.9	11
70	Investigation of the binding between olfactory receptors and odorant molecules in C. elegans organism. Biophysical Chemistry, 2019, 255, 106264.	1.5	6
71	Brillouin microscopy: an emerging tool for mechanobiology. Nature Methods, 2019, 16, 969-977.	9.0	244
72	On the number of limit cycles in asymmetric neural networks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 053402.	0.9	7

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73	3D models in the new era of immune oncology: focus on T cells, CAF and ECM. Journal of Experimental and Clinical Cancer Research, 2019, 38, 117.	3.5	78
74	Scattering Assisted Imaging. Scientific Reports, 2019, 9, 4591.	1.6	9
75	Microglia-Derived Microvesicles Affect Microglia Phenotype in Glioma. Frontiers in Cellular Neuroscience, 2019, 13, 41.	1.8	52
76	Demonstration of self-healing and scattering resilience of acoustic Bessel beams. Applied Physics Letters, 2019, 114, .	1.5	12
77	Quantifying cellular forces and biomechanical properties by correlative micropillar traction force and Brillouin microscopy. Biomedical Optics Express, 2019, 10, 2202.	1.5	16
78	Analysis of high frame-rate movies by variational methods. Mathematics for Applications, 2019, 8, 59-77.	0.1	0
79	Gel and glass transition in fragile colloidal clays. Condensed Matter Physics, 2019, 22, 43607.	0.3	1
80	Perspectives on cavitation enhanced endothelial layer permeability. Colloids and Surfaces B: Biointerfaces, 2018, 168, 83-93.	2.5	39
81	Effect of dilution in asymmetric recurrent neural networks. Neural Networks, 2018, 104, 50-59.	3.3	26
82	What is the Right Theory for Anderson Localization of Light? An Experimental Test. Physical Review Letters, 2018, 120, 067401.	2.9	23
83	Reply to "Comment on "Behavior of Supercritical Fluids across the Frenkel Line" Journal of Physical Chemistry B, 2018, 122, 6120-6123.	1.2	13
84	Cancellation of Bessel beam side lobes for high-contrast light sheet microscopy. Scientific Reports, 2018, 8, 17178.	1.6	35
85	Background-deflection Brillouin microscopy reveals altered biomechanics of intracellular stress granules by ALS protein FUS. Communications Biology, 2018, 1, 139.	2.0	45
86	The Mixing of Polarizations in the Acoustic Excitations of Disordered Media With Local Isotropy. Frontiers in Physics, 2018, 6, .	1.0	3
87	Comment on "Emergence and Evolution of the $\langle mml:mrow \langle mml:mi \rangle k \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ Gap in Spectra of Liquid and Supercritical States". Physical Review Letters, 2018, 120, 219601.	2.9	13
88	Assessing the interdependencies between scientific disciplinary profiles. Scientometrics, 2018, 116, 1785-1803.	1.6	6
89	Hyperuniformity in amorphous speckle patterns. Optics Express, 2018, 26, 15594.	1.7	13
90	Probing the non-Debye low-frequency excitations in glasses through random pinning. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8700-8704.	3.3	46

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91	Inflammation, neurodegeneration and protein aggregation in the retina as ocular biomarkers for Alzheimer's disease in the 3xTg-AD mouse model. <i>Cell Death and Disease</i> , 2018, 9, 685.	2.7	120
92	Disorder-induced single-mode transmission. <i>Nature Communications</i> , 2017, 8, 14571.	5.8	37
93	Isotopic Effect on the Gel and Glass Formation of a Charged Colloidal Clay: Laponite. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4576-4582.	1.2	9
94	Do social sciences and humanities behave like life and hard sciences?. <i>Scientometrics</i> , 2017, 112, 607-653.	1.6	22
95	Diffraction-free light droplets for axially-resolved volume imaging. <i>Scientific Reports</i> , 2017, 7, 17.	1.6	73
96	Analytical description of the transverse Anderson localization of light. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 102102.	1.0	2
97	Behavior of Supercritical Fluids across the Frenkel Line. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4995-5001.	2.1	45
98	Relaxation is a Two-Step Process for Metallic Glasses. <i>Physics Magazine</i> , 2017, 10, .	0.1	4
99	Bibliometric indicators: the origin of their log-normal distribution and why they are not a reliable proxy for an individual scholar's talent. <i>Palgrave Communications</i> , 2017, 3, .	4.7	19
100	Moment-Preserving Theory of Vibrational Dynamics of Topologically Disordered Systems. <i>Frontiers in Physics</i> , 2017, 5, .	1.0	2
101	Transverse localization of light for single-mode and secure information transport. , 2017, , .		0
102	A 1000-fold contrast enhancement in Fabry-Pérot interferometers. , 2017, , .		0
103	Breaking the Contrast Limit in Single-Pass Fabry-Pérot Spectrometers. <i>Physical Review Applied</i> , 2016, 6, .	1.5	20
104	Theory of heterogeneous viscoelasticity. <i>Philosophical Magazine</i> , 2016, 96, 620-635.	0.7	6
105	On the Maximum Storage Capacity of the Hopfield Model. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 144.	1.2	30
106	Laser propulsion of nanobullets by adiabatic compression of surface plasmon polaritons. <i>Scientific Reports</i> , 2015, 5, 17652.	1.6	2
107	Heterogeneous Viscoelasticity: A Combined Theory of Dynamic and Elastic Heterogeneity. <i>Physical Review Letters</i> , 2015, 115, 015901.	2.9	37
108	P0532 : HBx-DLEU2 lncRNA complex affects transcription of new target promoters. <i>Journal of Hepatology</i> , 2015, 62, S514-S515.	1.8	1

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109	Structural and microscopic relaxations in a colloidal glass. <i>Soft Matter</i> , 2015, 11, 466-471.	1.2	39
110	HBxâ€œDLEU2 lncRNA complex affects transcription of new target promoters. <i>Digestive and Liver Disease</i> , 2015, 47, e30.	0.4	0
111	Pressure-induced emergence of unusually high-frequency transverse excitations in a liquid alkali metal: Evidence of two types of collective excitations contributing to the transverse dynamics at high pressures. <i>Journal of Chemical Physics</i> , 2015, 143, 104502.	1.2	32
112	Collective Excitations in Supercritical Fluids. <i>Springer Proceedings in Physics</i> , 2015, , 77-102.	0.1	3
113	Theory of vibrational anomalies in glasses. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 133-140.	1.5	46
114	Dynamic light scattering study of temperature and pH sensitive colloidal microgels. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 361-366.	1.5	23
115	Period doubling induced by thermal noise amplification in genetic circuits. <i>Scientific Reports</i> , 2015, 4, 7088.	1.6	3
116	Heat capacity of liquids: A hydrodynamic approach. <i>Condensed Matter Physics</i> , 2015, 18, 13606.	0.3	5
117	Dual aging behaviour in a clayâ€œpolymer dispersion. <i>Soft Matter</i> , 2014, 10, 4513.	1.2	16
118	A quantitative measure to compare the disciplinary profiles of research systems and their evolution over time. <i>Journal of Informetrics</i> , 2014, 8, 710-727.	1.4	14
119	Charge-density correlations in pressurized liquid lithium calculated using <i>ab initio</i> molecular dynamics. <i>Physical Review B</i> , 2014, 90, .	1.1	9
120	Collective excitations in soft-sphere fluids. <i>Physical Review E</i> , 2014, 90, 042301.	0.8	24
121	Aging behavior of the localization length in a colloidal glass. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 118-122.	2.3	16
122	Glassâ€œglass transition during aging of a colloidal clay. <i>Nature Communications</i> , 2014, 5, 4049.	5.8	101
123	Dynamical Crossover at the Liquid-Liquid Transformation of a Compressed Molten Alkali Metal. <i>Physical Review Letters</i> , 2013, 111, 077801.	2.9	28
124	An empirical approach to compare the performance of heterogeneous academic fields. <i>Scientometrics</i> , 2013, 97, 601-625.	1.6	12
125	Coherent potential approximation for diffusion and wave propagation in topologically disordered systems. <i>Physical Review B</i> , 2013, 88, .	1.1	31
126	Acoustic dynamics of network-forming glasses at mesoscopic wavelengths. <i>Nature Communications</i> , 2013, 4, 1793.	5.8	51

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127	Dichotomic aging behaviour in a colloidal glass. <i>Soft Matter</i> , 2013, 9, 10955.	1.2	63
128	Dynamics and Thermodynamics beyond the critical point. <i>Scientific Reports</i> , 2013, 3, 1203.	1.6	69
129	Generalised hydrodynamic description of the time correlation functions of liquid metals: an ab initio molecular dynamics study. <i>Molecular Physics</i> , 2013, 111, 3457-3464.	0.8	15
130	Structural disorder and anomalous diffusion in random packing of spheres. <i>Scientific Reports</i> , 2013, 3, 2631.	1.6	41
131	Landau-Placzek ratio for heat density dynamics and its application to heat capacity of liquids. <i>Journal of Chemical Physics</i> , 2013, 138, 034502.	1.2	14
132	Vibrational anomalies and marginal stability of glasses. <i>European Physical Journal: Special Topics</i> , 2013, 216, 83-93.	1.2	21
133	Heterogeneous shear elasticity of glasses: the origin of the boson peak. <i>Scientific Reports</i> , 2013, 3, 1407.	1.6	151
134	Measurement of the Four-Point Susceptibility of an Out-of-Equilibrium Colloidal Solution of Nanoparticles Using Time-Resolved Light Scattering. <i>Physical Review Letters</i> , 2012, 109, 097401.	2.9	10
135	Transport of self-propelling bacteria in micro-channel flow. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 065101.	0.7	54
136	Low energy neutron production by inverse \hat{I}^2 decay in metallic hydride surfaces. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	4
137	Molecular dynamics beyonds the limits: Massive scaling on 72 racks of a BlueGene/P and supercooled glass dynamics of a 1 billion particles system. <i>Journal of Computational Physics</i> , 2012, 231, 3432-3445.	1.9	7
138	Single-Molecule Imaging with X-Ray Free-Electron Lasers: Dream or Reality?. <i>Physical Review Letters</i> , 2011, 106, 105504.	2.9	51
139	Vibrational dynamics and surface structure of amorphous selenium. <i>Nature Communications</i> , 2011, 2, 195.	5.8	32
140	Longitudinal acoustic compliance and tagged particle susceptibility in liquid and supercooled glycerol. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 515-517.	1.5	1
141	6th International discussion meeting on relaxations in complex systems New results, directions and opportunities August 30th – September 5th 2009, Rome, Italy. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 241-242.	1.5	7
142	Spatio-temporal anomalous diffusion in heterogeneous media by nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2011, 135, 034504.	1.2	47
143	Nonergodicity Factor, Fragility, and Elastic Properties of Polymeric Glassy Sulfur. <i>Journal of Physical Chemistry B</i> , 2011, 115, 14052-14063.	1.2	25
144	Pressure behavior of the sound velocity of liquid water at room temperature in the terahertz regime. <i>Physical Review B</i> , 2011, 84, .	1.1	6

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145	Acoustic Dissipation and Density of States in Liquid, Supercooled, and Glassy Glycerol. <i>Physical Review Letters</i> , 2011, 106, 155701.	2.9	6
146	Visualizing coherent phonon propagation in the 100 GHz range: A broadband picosecond acoustics approach. , 2011, , .		0
147	Visualizing coherent phonon propagation in the 100 GHz range: A broadband picosecond acoustics approach. <i>Applied Physics Letters</i> , 2011, 98, 011901.	1.5	37
148	Generalized collective excitations in supercritical argon. <i>Molecular Physics</i> , 2011, 109, 2929-2934.	0.8	7
149	Response to "Comment on "Visualizing coherent phonon propagation in the 100 GHz range: A broadband picosecond acoustic approach" [Appl. Phys. Lett. 98, 246101 (2011)]. <i>Applied Physics Letters</i> , 2011, 98, 246102.	1.5	2
150	Computer simulation study of thermodynamic scaling of dynamics of $2\text{Ca}(\text{NO}_3)_2 \cdot 3\text{KNO}_3$. <i>Journal of Chemical Physics</i> , 2011, 135, 164510.	1.2	22
151	The Widom line as the crossover between liquid-like and gas-like behaviour in supercritical fluids. <i>Nature Physics</i> , 2010, 6, 503-507.	6.5	418
152	Collective excitations in supercritical fluids: Analytical and molecular dynamics study of "positive" and "negative" dispersion. <i>Journal of Chemical Physics</i> , 2010, 133, 024502.	1.2	51
153	Competing Interactions in Arrested States of Colloidal Clays. <i>Physical Review Letters</i> , 2010, 104, 085701.	2.9	78
154	Universal relation between viscous flow and fast dynamics in glass-forming materials. <i>Physical Review B</i> , 2010, 81, .	1.1	34
155	Elastic properties of permanently densified silica: A Raman, Brillouin light, and x-ray scattering study. <i>Physical Review B</i> , 2010, 81, .	1.1	49
156	Generalized fluctuation-dissipation relation and effective temperature in off-equilibrium colloids. <i>Physical Review B</i> , 2010, 81, .	1.1	27
157	Bacterial ratchet motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 9541-9545.	3.3	559
158	Relation among optical, thermal and thermo-optical properties and niobium concentration in tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2146-2150.	1.5	32
159	Sound attenuation and anharmonic damping in solids with correlated disorder. <i>Condensed Matter Physics</i> , 2010, 13, 23606.	0.3	10
160	Inelastic x-ray scattering from high pressure fluids in a diamond anvil cell. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	14
161	Reply to "Comment on "Phase diagram of a solution undergoing inverse melting" [Physical Review E, 2009, 79, .	0.8	4
162	Observation of a Gradient Catastrophe Generating Solitons. <i>Physical Review Letters</i> , 2009, 102, 083902.	2.9	136

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163	Characterization of archeological human bone tissue by enhanced backscattering of light. Applied Physics Letters, 2009, 94, 101101.	1.5	4
164	Phase Diagram and Complexity of Mode-Locked Lasers: From Order to Disorder. Physical Review Letters, 2009, 102, 083901.	2.9	61
165	High frequency dynamics in liquids and supercritical fluids: A comparative inelastic x-ray scattering study. Journal of Chemical Physics, 2009, 130, 064501.	1.2	31
166	Optical trapping studies of colloidal interactions in liquid films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 133-136.	2.3	3
167	Prigogine's Defay Ratio for an Ionic Glass-Former: Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2009, 113, 3099-3104.	1.2	13
168	Collective Thermal Diffusion of Silica Colloids Studied by Nonlinear Optics. Langmuir, 2009, 25, 12495-12500.	1.6	22
169	Slow dynamics of liquid Se studied by Infrared Photon Correlation Spectroscopy. Journal of Non-Crystalline Solids, 2009, 355, 1797-1800.	1.5	3
170	Ultrashort pulse propagation and the Anderson localization. Optics Letters, 2009, 34, 130.	1.7	36
171	Colloidal Attraction Induced by a Temperature Gradient. Langmuir, 2009, 25, 4247-4250.	1.6	70
172	Self-Starting Micromotors in a Bacterial Bath. Physical Review Letters, 2009, 102, 048104.	2.9	227
173	Time-Dependent Nonlinear Optical Susceptibility of an Out-of-Equilibrium Soft Material. Physical Review Letters, 2009, 102, 038303.	2.9	20
174	Kinetics of formation of supramolecular tubules of a sodium cholate derivative. Soft Matter, 2009, 5, 3018.	1.2	46
175	Comparison of FaxÅ©n's correction for a microsphere translating or rotating near a surface. Physical Review E, 2009, 79, 026301.	0.8	137
176	Saddles of the energy landscape and folding of model proteins. Europhysics Letters, 2009, 87, 18002.	0.7	4
177	Vibrational excitations in systems with correlated disorder. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 862-866.	0.8	61
178	High frequency dynamics in liquid nickel: An inelastic x-ray scattering study. Journal of Chemical Physics, 2008, 128, 234502.	1.2	9
179	Contribution of the terahertz vibrations to the high-temperature thermal conductivity of vitreous silica. Philosophical Magazine, 2008, 88, 3915-3923.	0.7	0
180	When disorder helps. Nature Materials, 2008, 7, 842-843.	13.3	16

#	ARTICLE	IF	CITATIONS
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182	Shear-banding phenomena and dynamical behavior in a Laponite suspension. Physical Review E, 2008, 77, 031406.	0.8	20
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