

Giancarlo Ruocco

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.

425
papers

13,145
citations

60
h-index

95
g-index

476
ext. papers

14,509
ext. citations

4.8
avg, IF

6.35
L-index

#	Paper	IF	Citations
425	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	4.2	0
424	Inferring the stabilization effects of SARS-CoV-2 variants on the binding with ACE2 receptor.. <i>Communications Biology</i> , 2022 , 5, 1421	6.7	1
423	Thermometer: a webserver to predict protein thermal stability.. <i>Bioinformatics</i> , 2022 ,	7.2	1
422	Supervised perceptron learning vs unsupervised Hebbian unlearning: Approaching optimal memory retrieval in Hopfield-like networks.. <i>Journal of Chemical Physics</i> , 2022 , 156, 104107	3.9	0
421	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	4.9	0
420	Computational Modeling of the Thermodynamics of the Mesophilic and Thermophilic Mutants of Trp-Cage Miniprotein.. <i>ACS Omega</i> , 2022 , 7, 13448-13454	3.9	0
419	A novel computational strategy for defining the minimal protein molecular surface representation.. <i>PLoS ONE</i> , 2022 , 17, e0266004	3.7	
418	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	6.3	0
417	Alignment interactions drive structural transitions in biological tissues. <i>Physical Review E</i> , 2021 , 104, 044606	2.4	1
416	Comment on "Universal Origin of Boson Peak Vibrational Anomalies in Ordered Crystals and in Amorphous Materials". <i>Physical Review Letters</i> , 2021 , 127, 179601	7.4	2
415	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,	11.5	2
414	Does blood type affect the COVID-19 infection pattern?. <i>PLoS ONE</i> , 2021 , 16, e0251535	3.7	12
413	Comment on "Universal Effect of Excitation Dispersion on the Heat Capacity and Gapped States in Fluids". <i>Physical Review Letters</i> , 2021 , 126, 229601	7.4	
412	Computational optimization of transcranial focused ultrasound stimulation: Toward noninvasive, selective stimulation of deep brain structures. <i>Applied Physics Letters</i> , 2021 , 118, 233702	3.4	0
411	In-Silico Evidence for a Two Receptor Based Strategy of SARS-CoV-2. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 690655	5.6	18
410	A recurrent neural network model of <i>C. elegans</i> responses to aversive stimuli. <i>Neurocomputing</i> , 2021 , 430, 1-13	5.4	5
409	2D Zernike polynomial expansion: Finding the protein-protein binding regions. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 29-36	6.8	9

408	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	6.8	1
407	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	5.6	6
406	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,	11.5	1
405	Molecular Mechanisms Behind Anti SARS-CoV-2 Action of Lactoferrin. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 607443	5.6	18
404	Comment on "Collective modes and gapped momentum states in liquid Ga: Experiment, theory, and simulation" <i>Physical Review B</i> , 2021 , 103,	3.3	1
403	Spatial coherence of light inside three-dimensional media. <i>Nature Communications</i> , 2021 , 12, 4199	17.4	0
402	C. elegans-based chemosensation strategy for the early detection of cancer metabolites in urine samples. <i>Scientific Reports</i> , 2021 , 11, 17133	4.9	0
401	Quantitative Description of Surface Complementarity of Antibody-Antigen Interfaces. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 749784	5.6	0
400	Mathematics of the Hexapod 2021 , 13-18		
399	On the Number of Limit Cycles in Diluted Neural Networks. <i>Journal of Statistical Physics</i> , 2020 , 181, 2304-2321	4.3	1
398	MLL4-associated condensates counterbalance Polycomb-mediated nuclear mechanical stress in Kabuki syndrome. <i>Nature Genetics</i> , 2020 , 52, 1397-1411	36.3	17
397	A comparison of three multidisciplinary indices based on the diversity of Scopus subject areas of authors' documents, their bibliography and their citing papers. <i>Scientometrics</i> , 2020 , 125, 1145-1158	3	8
396	Characterization of molecular-atomic transformation in fluid hydrogen under pressure via long-wavelength asymptote of charge density fluctuations. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113274	6	1
395	Sound damping in glasses: Interplay between anharmonicities and elastic heterogeneities. <i>Physical Review B</i> , 2020 , 101,	3.3	8
394	Simulated Epidemics in 3D Protein Structures to Detect Functional Properties. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 1884-1891	6.1	5
393	Optonongenetic enhancement of activity in primary cortical neurons. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 643-652	1.8	3
392	Probing the Debye spectrum in glasses using small system sizes. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
391	Novel Approaches to the Development and Application of Informetric and Scientometric Tools. <i>Journal of Data and Information Science</i> , 2020 , 5, 1-4	1.2	

390	Velocity autocorrelations across the molecular-to-atomic fluid transformation in hydrogen under pressure. <i>Condensed Matter Physics</i> , 2020 , 23, 23607	1.3	2
389	Novel Approaches to the Development and Application of Informetric and Scientometric Tools. <i>Journal of Data and Information Science</i> , 2020 , 5, 1-4	1.2	
388	Sources and uses of knowledge in a dynamic network technology. <i>International Transactions in Operational Research</i> , 2020 , 27, 1821-1844	2.9	6
387	Network dilution and asymmetry in an efficient brain. <i>Philosophical Magazine</i> , 2020 , 100, 2544-2555	1.6	0
386	Bioprinting stem cells: building physiological tissues one cell at a time. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C465-C480	5.4	7
385	A novel strategy for molecular interfaces optimization: The case of Ferritin-Transferrin receptor interaction. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 2678-2686	6.8	3
384	Non-hydrodynamic modes in viscoelastic behaviour of simple fluids. <i>Philosophical Magazine</i> , 2020 , 100, 2568-2581	1.6	1
383	Reconstructing Nonparametric Productivity Networks. <i>Entropy</i> , 2020 , 22,	2.8	4
382	Exploring the Association Between Sialic Acid and SARS-CoV-2 Spike Protein Through a Molecular Dynamics-Based Approach.. <i>Frontiers in Medical Technology</i> , 2020 , 2, 614652	1.9	9
381	Investigation of the binding between olfactory receptors and odorant molecules in <i>C. elegans</i> organism. <i>Biophysical Chemistry</i> , 2019 , 255, 106264	3.5	3
380	Brillouin microscopy: an emerging tool for mechanobiology. <i>Nature Methods</i> , 2019 , 16, 969-977	21.6	99
379	On the number of limit cycles in asymmetric neural networks. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 053402	1.9	5
378	3D models in the new era of immune oncology: focus on T cells, CAF and ECM. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 117	12.8	47
377	Scattering Assisted Imaging. <i>Scientific Reports</i> , 2019 , 9, 4591	4.9	4
376	Microglia-Derived Microvesicles Affect Microglia Phenotype in Glioma. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 41	6.1	26
375	Neuroinflammatory Processes, A1 Astrocyte Activation and Protein Aggregation in the Retina of Alzheimer's Disease Patients, Possible Biomarkers for Early Diagnosis. <i>Frontiers in Neuroscience</i> , 2019 , 13, 925	5.1	45
374	Theory of elastic constants of athermal amorphous solids with internal stresses. <i>Granular Matter</i> , 2019 , 21, 1	2.6	7
373	Biophysical modeling of <i>C. elegans</i> neurons: Single ion currents and whole-cell dynamics of AWCon and RMD. <i>PLoS ONE</i> , 2019 , 14, e0218738	3.7	14

372	Beyond the Maximum Storage Capacity Limit in Hopfield Recurrent Neural Networks. <i>Entropy</i> , 2019 , 21,	2.8	6
371	Self-consistent Euclidean-random-matrix theory. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019 , 52, 464002	2	2
370	Relation between Heterogeneous Frozen Regions in Supercooled Liquids and Non-Debye Spectrum in the Corresponding Glasses. <i>Physical Review Letters</i> , 2019 , 123, 155502	7.4	6
369	Quantifying cellular forces and biomechanical properties by correlative micropillar traction force and Brillouin microscopy. <i>Biomedical Optics Express</i> , 2019 , 10, 2202-2212	3.5	11
368	Demonstration of self-healing and scattering resilience of acoustic Bessel beams. <i>Applied Physics Letters</i> , 2019 , 114, 013502	3.4	7
367	Perspectives on cavitation enhanced endothelial layer permeability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 168, 83-93	6	28
366	Effect of dilution in asymmetric recurrent neural networks. <i>Neural Networks</i> , 2018 , 104, 50-59	9.1	14
365	What is the Right Theory for Anderson Localization of Light? An Experimental Test. <i>Physical Review Letters</i> , 2018 , 120, 067401	7.4	14
364	Reply to "Comment on 'Behavior of Supercritical Fluids across the Frenkel Line'". <i>Journal of Physical Chemistry B</i> , 2018 , 122, 6120-6123	3.4	10
363	Assessing the interdependencies between scientific disciplinary profiles. <i>Scientometrics</i> , 2018 , 116, 1785-1803	4	4
362	Hyperuniformity in amorphous speckle patterns. <i>Optics Express</i> , 2018 , 26, 15594-15608	3.3	8
361	Probing the non-Debye low-frequency excitations in glasses through random pinning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8700-8704	11.5	23
360	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	9.8	75
359	Cancellation of Bessel beam side lobes for high-contrast light sheet microscopy. <i>Scientific Reports</i> , 2018 , 8, 17178	4.9	17
358	Background-deflection Brillouin microscopy reveals altered biomechanics of intracellular stress granules by ALS protein FUS. <i>Communications Biology</i> , 2018 , 1, 139	6.7	33
357	The Mixing of Polarizations in the Acoustic Excitations of Disordered Media With Local Isotropy. <i>Frontiers in Physics</i> , 2018 , 6,	3.9	1
356	Comment on "Emergence and Evolution of the k Gap in Spectra of Liquid and Supercritical States". <i>Physical Review Letters</i> , 2018 , 120, 219601	7.4	9
355	Disorder-induced single-mode transmission. <i>Nature Communications</i> , 2017 , 8, 14571	17.4	23

354	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	3.4	7
353	Do social sciences and humanities behave like life and hard sciences?. <i>Scientometrics</i> , 2017 , 112, 607-653		12
352	Diffraction-free light droplets for axially-resolved volume imaging. <i>Scientific Reports</i> , 2017 , 7, 17	4.9	40
351	Analytical description of the transverse Anderson localization of light. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 045602	1.7	1
350	Behavior of Supercritical Fluids across the "Frenkel Line". <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 4995-5001	6.4	33
349	Real-Time Monitoring of Nanoscale Polarization Switching. <i>Physics Magazine</i> , 2017 , 10,	1.1	4
348	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,	5.3	11
347	Moment-Preserving Theory of Vibrational Dynamics of Topologically Disordered Systems. <i>Frontiers in Physics</i> , 2017 , 5,	3.9	1
346	Theory of heterogeneous viscoelasticity. <i>Philosophical Magazine</i> , 2016 , 96, 620-635	1.6	4
345	On the Maximum Storage Capacity of the Hopfield Model. <i>Frontiers in Computational Neuroscience</i> , 2016 , 10, 144	3.5	17
344	Breaking the Contrast Limit in Single-Pass Fabry-Pérot Spectrometers. <i>Physical Review Applied</i> , 2016 , 6,	4.3	16
343	Structural and microscopic relaxations in a colloidal glass. <i>Soft Matter</i> , 2015 , 11, 466-71	3.6	32
342	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	3.9	22
341	Collective Excitations in Supercritical Fluids. <i>Springer Proceedings in Physics</i> , 2015 , 77-102	0.2	2
340	Theory of vibrational anomalies in glasses. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 133-140	3.9	34
339	Dynamic light scattering study of temperature and pH sensitive colloidal microgels. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 361-366	3.9	22
338	Laser propulsion of nanobullets by adiabatic compression of surface plasmon polaritons. <i>Scientific Reports</i> , 2015 , 5, 17652	4.9	2
337	Heterogeneous Viscoelasticity: A Combined Theory of Dynamic and Elastic Heterogeneity. <i>Physical Review Letters</i> , 2015 , 115, 015901	7.4	34

336	Heat capacity of liquids: A hydrodynamic approach. <i>Condensed Matter Physics</i> , 2015 , 18, 13606	1.3	3
335	Period doubling induced by thermal noise amplification in genetic circuits. <i>Scientific Reports</i> , 2014 , 4, 7088	4.9	2
334	Dual aging behaviour in a clay-polymer dispersion. <i>Soft Matter</i> , 2014 , 10, 4513-21	3.6	12
333	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	3.1	12
332	Charge-density correlations in pressurized liquid lithium calculated using ab initio molecular dynamics. <i>Physical Review B</i> , 2014 , 90,	3.3	7
331	Collective excitations in soft-sphere fluids. <i>Physical Review E</i> , 2014 , 90, 042301	2.4	20
330	Aging behavior of the localization length in a colloidal glass. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 460, 118-122	5.1	11
329	Glass-glass transition during aging of a colloidal clay. <i>Nature Communications</i> , 2014 , 5, 4049	17.4	84
328	Dynamical crossover at the liquid-liquid transformation of a compressed molten alkali metal. <i>Physical Review Letters</i> , 2013 , 111, 077801	7.4	23
327	An empirical approach to compare the performance of heterogeneous academic fields. <i>Scientometrics</i> , 2013 , 97, 601-625	3	11
326	Coherent potential approximation for diffusion and wave propagation in topologically disordered systems. <i>Physical Review B</i> , 2013 , 88,	3.3	23
325	Acoustic dynamics of network-forming glasses at mesoscopic wavelengths. <i>Nature Communications</i> , 2013 , 4, 1793	17.4	40
324	Dichotomic aging behaviour in a colloidal glass. <i>Soft Matter</i> , 2013 , 9, 10955	3.6	54
323	Dynamics and Thermodynamics beyond the critical point. <i>Scientific Reports</i> , 2013 , 3, 1203	4.9	61
322	Generalised hydrodynamic description of the time correlation functions of liquid metals: ab initio molecular dynamics study. <i>Molecular Physics</i> , 2013 , 111, 3457-3464	1.7	12
321	Structural disorder and anomalous diffusion in random packing of spheres. <i>Scientific Reports</i> , 2013 , 3, 2631	4.9	36
320	Landau-Placzek ratio for heat density dynamics and its application to heat capacity of liquids. <i>Journal of Chemical Physics</i> , 2013 , 138, 034502	3.9	12
319	Vibrational anomalies and marginal stability of glasses. <i>European Physical Journal: Special Topics</i> , 2013 , 216, 83-93	2.3	13

318	Heterogeneous shear elasticity of glasses: the origin of the boson peak. <i>Scientific Reports</i> , 2013 , 3, 1407	4.9	113
317	Molecular dynamics beyond 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	4.1	4
316	Transport of self-propelling bacteria in micro-channel flow. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 065101	1.8	50
315	Low energy neutron production by inverse β decay in metallic hydride surfaces. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	4
314	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	7.4	10
313	Single-molecule imaging with x-ray free-electron lasers: dream or reality?. <i>Physical Review Letters</i> , 2011 , 106, 105504	7.4	44
312	Vibrational dynamics and surface structure of amorphous selenium. <i>Nature Communications</i> , 2011 , 2, 195	17.4	26
311	Longitudinal acoustic compliance and tagged particle susceptibility in liquid and supercooled glycerol. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 515-517	3.9	1
310	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	3.9	6
309	Spatio-temporal anomalous diffusion in heterogeneous media by nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2011 , 135, 034504	3.9	41
308	Nonergodicity factor, fragility, and elastic properties of polymeric glassy sulfur. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14052-63	3.4	22
307	Pressure behavior of the sound velocity of liquid water at room temperature in the terahertz regime. <i>Physical Review B</i> , 2011 , 84,	3.3	5
306	Acoustic dissipation and density of states in liquid, supercooled, and glassy glycerol. <i>Physical Review Letters</i> , 2011 , 106, 155701	7.4	6
305	Visualizing coherent phonon propagation in the 100 GHz range: A broadband picosecond acoustics approach. <i>Applied Physics Letters</i> , 2011 , 98, 011901	3.4	33
304	Generalized collective excitations in supercritical argon. <i>Molecular Physics</i> , 2011 , 109, 2929-2934	1.7	6
303	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	3.4	2
302	Computer simulation study of thermodynamic scaling of dynamics of $2\text{Ca}(\text{NO}_3)_2 \cdot \text{KNO}_3$. <i>Journal of Chemical Physics</i> , 2011 , 135, 164510	3.9	19
301	The Widom line as the crossover between liquid-like and gas-like behaviour in supercritical fluids. <i>Nature Physics</i> , 2010 , 6, 503-507	16.2	308

300	Collective excitations in supercritical fluids: analytical and molecular dynamics study of "positive" and "negative" dispersion. <i>Journal of Chemical Physics</i> , 2010 , 133, 024502	3.9	43
299	Competing interactions in arrested States of colloidal clays. <i>Physical Review Letters</i> , 2010 , 104, 085701	7.4	71
298	Universal relation between viscous flow and fast dynamics in glass-forming materials. <i>Physical Review B</i> , 2010 , 81,	3.3	30
297	Elastic properties of permanently densified silica: A Raman, Brillouin light, and x-ray scattering study. <i>Physical Review B</i> , 2010 , 81,	3.3	43
296	Generalized fluctuation-dissipation relation and effective temperature in off-equilibrium colloids. <i>Physical Review B</i> , 2010 , 81,	3.3	24
295	Bacterial ratchet motors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9541-5	11.5	425
294	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	3.9	29
293	Sound attenuation and anharmonic damping in solids with correlated disorder. <i>Condensed Matter Physics</i> , 2010 , 13, 23606	1.3	9
292	Inelastic x-ray scattering from high pressure fluids in a diamond anvil cell. <i>Applied Physics Letters</i> , 2009 , 94, 074102	3.4	14
291	Reply to Comment on Phase diagram of a solution undergoing inverse melting <i>Physical Review E</i> , 2009 , 79,	2.4	4
290	Observation of a gradient catastrophe generating solitons. <i>Physical Review Letters</i> , 2009 , 102, 083902	7.4	116
289	Characterization of archeological human bone tissue by enhanced backscattering of light. <i>Applied Physics Letters</i> , 2009 , 94, 101101	3.4	4
288	Phase diagram and complexity of mode-locked lasers: from order to disorder. <i>Physical Review Letters</i> , 2009 , 102, 083901	7.4	53
287	High frequency dynamics in liquids and supercritical fluids: A comparative inelastic x-ray scattering study. <i>Journal of Chemical Physics</i> , 2009 , 130, 064501	3.9	30
286	Optical trapping studies of colloidal interactions in liquid films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 343, 133-136	5.1	2
285	Prigogine-Defay ratio for an ionic glass-former: molecular dynamics simulations. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3099-104	3.4	12
284	Collective thermal diffusion of silica colloids studied by nonlinear optics. <i>Langmuir</i> , 2009 , 25, 12495-500	4	21
283	Slow dynamics of liquid Se studied by Infrared Photon Correlation Spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 1797-1800	3.9	3

282	Ultrashort pulse propagation and the Anderson localization. <i>Optics Letters</i> , 2009 , 34, 130-2	3	29
281	Colloidal attraction induced by a temperature gradient. <i>Langmuir</i> , 2009 , 25, 4247-50	4	60
280	Self-starting micromotors in a bacterial bath. <i>Physical Review Letters</i> , 2009 , 102, 048104	7.4	189
279	Time-dependent nonlinear optical susceptibility of an out-of-equilibrium soft material. <i>Physical Review Letters</i> , 2009 , 102, 038303	7.4	19
278	Kinetics of formation of supramolecular tubules of a sodium cholate derivative. <i>Soft Matter</i> , 2009 , 5, 3018	3.6	45
277	Comparison of FaxB's correction for a microsphere translating or rotating near a surface. <i>Physical Review E</i> , 2009 , 79, 026301	2.4	104
276	Saddles of the energy landscape and folding of model proteins. <i>Europhysics Letters</i> , 2009 , 87, 18002	1.6	3
275	Dynamically correlated regions and configurational entropy in supercooled liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10652-8	3.4	115
274	Shear-banding phenomena and dynamical behavior in a Laponite suspension. <i>Physical Review E</i> , 2008 , 77, 031406	2.4	19
273	Fragility and glassy dynamics of $2Ca(NO_3)_2 \cdot 3KNO_3$ under pressure: molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2008 , 128, 191104	3.9	8
272	Very-long-range nature of capillary interactions in liquid films. <i>Physical Review Letters</i> , 2008 , 100, 106103	3.4	33
271	Nonlinear optics in the X-ray regime: nonlinear waves and self-action effects. <i>Optics Express</i> , 2008 , 16, 8324-31	3.3	12
270	Mode competitions and dynamical frequency pulling in Mie nanolasers: 3D ab-initio Maxwell-Bloch computations. <i>Optics Express</i> , 2008 , 16, 8342-9	3.3	8
269	Shear thickening in a solution undergoing inverse melting. <i>Philosophical Magazine</i> , 2008 , 88, 4109-4116	1.6	6
268	Influence of an adsorbing polymer on the aging dynamics of Laponite clay suspensions. <i>Philosophical Magazine</i> , 2008 , 88, 4213-4221	1.6	22
267	Hydrodynamic interactions in two dimensions. <i>Physical Review E</i> , 2008 , 78, 031406	2.4	36
266	Thermal conductivity and terahertz vibrational dynamics of vitreous silica. <i>Physical Review B</i> , 2008 , 77,	3.3	29
265	Nonlinear refraction of hard x rays. <i>Physical Review B</i> , 2008 , 77,	3.3	2

264	Three-dimensional ab initio investigation of light-matter interaction in Mie lasers. <i>Physical Review A</i> , 2008 , 78,	2.6	36
263	Phase diagram of a solution undergoing inverse melting. <i>Physical Review E</i> , 2008 , 78, 020502	2.4	15
262	Arrested state of clay-water suspensions: gel or glass?. <i>Physical Review E</i> , 2008 , 77, 020402	2.4	58
261	Crossover between hydrodynamic and kinetic modes in binary liquid alloys. <i>Physical Review B</i> , 2008 , 77,	3.3	8
260	Condensation in disordered lasers: theory, 3D+1 simulations, and experiments. <i>Physical Review Letters</i> , 2008 , 101, 143901	7.4	78
259	Free-energy transition in a gas of noninteracting nonlinear wave particles. <i>Physical Review Letters</i> , 2008 , 101, 044101	7.4	42
258	Role of saddles in topologically driven phase transitions: the case of the d -dimensional spherical model. <i>Physical Review E</i> , 2008 , 77, 052101	2.4	5
257	Vibrational excitations in systems with correlated disorder. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 862-866		53
256	High frequency dynamics in liquid nickel: An inelastic x-ray scattering study. <i>Journal of Chemical Physics</i> , 2008 , 128, 234502	3.9	7
255	Contribution of the terahertz vibrations to the high-temperature thermal conductivity of vitreous silica. <i>Philosophical Magazine</i> , 2008 , 88, 3915-3923	1.6	
254	The history of the "fast sound" in liquid water. <i>Condensed Matter Physics</i> , 2008 , 11, 29	1.3	32
253	Ageing dynamics in Laponite dispersions at various salt concentrations. <i>Philosophical Magazine</i> , 2007 , 87, 449-458	1.6	22
252	Viscosity measurements in a solution undergoing inverse melting. <i>Philosophical Magazine</i> , 2007 , 87, 553-558		10
251	High-frequency dynamics of liquid and supercritical nitrogen. <i>Philosophical Magazine</i> , 2007 , 87, 665-671	1.6	2
250	A glassy model for random lasers. <i>Philosophical Magazine</i> , 2007 , 87, 587-592	1.6	
249	About the formation of C60 fine particles with reprecipitation method in ethanol/carbon disulfide mixture. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 187, 402-405	4.7	1
248	Acoustic attenuation in glasses and its relation with the boson peak. <i>Physical Review Letters</i> , 2007 , 98, 025501	7.4	215
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