

Lei Xu

List of Publications by Year in descending order

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151
papers

5,814
citations

71102

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h-index

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g-index

157
all docs

157
docs citations

157
times ranked

5481
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of vehicle-track related dynamics: a development of multi-finite-element coupling method and multi-time-step solution method. <i>Vehicle System Dynamics</i> , 2022, 60, 1097-1124.	3.7	28
2	Deep CNN Based Lmsr and Strengths of Two Built-In Dualities. <i>Neural Processing Letters</i> , 2022, 54, 3565-3581.	3.2	1
3	Unraveling Membrane Fouling Induced by Chlorinated Water Versus Surface Water: Biofouling Properties and Microbiological Investigation. <i>Engineering</i> , 2022, 15, 154-164.	6.7	13
4	The effects of different electrode materials on seed germination of <i>Solanum nigrum</i> L. and its Cd accumulation in soil. <i>Journal of Environmental Sciences</i> , 2022, 113, 291-299.	6.1	2
5	Deep Rival Penalized Competitive Learning for low-resolution face recognition. <i>Neural Networks</i> , 2022, 148, 183-193.	5.9	15
6	Integrated survey on the heavy metal distribution, sources and risk assessment of soil in a commonly developed industrial area. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113462.	6.0	23
7	Co-high-efficiency washing agents for simultaneous removal of Cd, Pb and As from smelting soil with risk assessment. <i>Chemosphere</i> , 2022, 300, 134581.	8.2	13
8	Efficient statistics of the wheel-rail contact stress: cases on track geometric excitation. <i>Vehicle System Dynamics</i> , 2021, 59, 1355-1375.	3.7	0
9	A near-fault vertical scenario earthquakes-based generic simulation framework for elastoplastic seismic analysis of light rail vehicle-viaduct system. <i>Vehicle System Dynamics</i> , 2021, 59, 949-973.	3.7	15
10	Dynamic solution for vehicle-track interaction considering the elastoplasticity of track slabs. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 1668-1680.	2.6	9
11	Matrix coupled model for the vehicle-track interaction analysis featured to the railway crossing. <i>Mechanical Systems and Signal Processing</i> , 2021, 152, 107485.	8.0	26
12	In-situ and triple-collocation based evaluations of eight global root zone soil moisture products. <i>Remote Sensing of Environment</i> , 2021, 254, 112248.	11.0	77
13	Effective abatement of 29 pesticides in full-scale advanced treatment processes of drinking water: From concentration to human exposure risk. <i>Journal of Hazardous Materials</i> , 2021, 403, 123986.	12.4	35
14	Influence of track flexibility and spatial coherence of track irregularity on vehicle-slab track interaction: frequency-domain analysis. <i>International Journal of Rail Transportation</i> , 2021, 9, 342-367.	2.7	3
15	Numerical simulation platform for slab track systems subjected to a moving vehicle. <i>Advances in Engineering Software</i> , 2021, 154, 102984.	3.8	14
16	The role of drop shape in impact and splash. <i>Nature Communications</i> , 2021, 12, 3068.	12.8	35
17	Fast crystal growth at ultra-low temperatures. <i>Nature Materials</i> , 2021, 20, 1431-1439.	27.5	36
18	The Influence of Small Organic Molecules on Coagulation from the Perspective of Hydrolysis Competition and Crystallization. <i>Environmental Science & Technology</i> , 2021, 55, 7456-7465.	10.0	29

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19	Enhancing ultrafiltration performance by gravity-driven up-flow slow biofilter pre-treatment to remove natural organic matters and biopolymer foulants. <i>Water Research</i> , 2021, 195, 117010.	11.3	21
20	A scalable parallel unstructured finite volume lattice Boltzmann method for three-dimensional incompressible flow simulations. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2744-2762.	1.6	5
21	Identification of a Novel Class of Photolyases as Possible Ancestors of Their Family. <i>Molecular Biology and Evolution</i> , 2021, 38, 4505-4519.	8.9	8
22	Sub-regional groundwater storage recovery in North China Plain after the South-to-North water diversion project. <i>Journal of Hydrology</i> , 2021, 597, 126156.	5.4	70
23	NDVI Variation and Yield Prediction in Growing Season: A Case Study with Tea in Tanuyen Vietnam. <i>Atmosphere</i> , 2021, 12, 962.	2.3	11
24	Detection of Phenotype-Related Mutations of COVID-19 via the Whole Genomic Data. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1242-1249.	3.0	3
25	Achieving adjustable elasticity with non-affine to affine transition. <i>Nature Materials</i> , 2021, 20, 1635-1642.	27.5	9
26	A parametric multivariate drought index for drought monitoring and assessment under climate change. <i>Agricultural and Forest Meteorology</i> , 2021, 310, 108657.	4.8	34
27	Self-powered adjustable UV and NIR photodetectors based on one-step synthesized TeO ₂ doped ZnO composite nanorods/Si heterojunction. <i>Sensors and Actuators A: Physical</i> , 2021, 331, 113009.	4.1	11
28	Comprehensive exploration of heavy metal contamination and risk assessment at two common smelter sites. <i>Chemosphere</i> , 2021, 285, 131350.	8.2	44
29	Influence of the finite element type of the sleeper on vehicle-track interaction: a numerical study. <i>Vehicle System Dynamics</i> , 2021, 59, 1533-1556.	3.7	8
30	A Consistency Enhanced Deep Lmser Network for Face Sketch Synthesis. <i>Lecture Notes in Computer Science</i> , 2021, , 127-138.	1.3	1
31	From a dimer to a monomer: Construction of a chimeric monomeric isocitrate dehydrogenase. <i>Protein Science</i> , 2021, 30, 2396-2407.	7.6	2
32	Spatiotemporal forecasting in earth system science: Methods, uncertainties, predictability and future directions. <i>Earth-Science Reviews</i> , 2021, 222, 103828.	9.1	46
33	A spectral evolution model for track geometric degradation in train-track long-term dynamics. <i>Vehicle System Dynamics</i> , 2020, 58, 1-27.	3.7	10
34	A matrix coupled model for vehicle-slab track-subgrade interactions at 3-D space. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 128, 105894.	3.8	45
35	Investigation of the vibration isolation performance of floating slab track with rubber bearings using a stochastic fractional derivative model. <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 2020, 234, 992-1004.	2.0	13
36	Construction of a dynamic model for the interaction between the versatile tracks and a vehicle. <i>Engineering Structures</i> , 2020, 206, 110067.	5.3	17

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37	The effects of different electric fields and electrodes on <i>Solanum nigrum</i> L. Cd hyperaccumulation in soil. <i>Chemosphere</i> , 2020, 246, 125666.	8.2	23
38	Role of macrophyte species in constructed wetland-microbial fuel cell for simultaneous wastewater treatment and bioenergy generation. <i>Chemical Engineering Journal</i> , 2020, 392, 123708.	12.7	82
39	Drop expansion driven by bubbling on microscale patterned substrates under low air pressure. <i>Chemical Engineering Journal</i> , 2020, 391, 123547.	12.7	0
40	Enhanced Ultra-violet Photodetection Based on a Heterojunction Consisted of ZnO Nanowires and Single-Layer Graphene on Silicon Substrate. <i>Electronic Materials Letters</i> , 2020, 16, 81-88.	2.2	10
41	A novel median dual finite volume lattice Boltzmann method for incompressible flows on unstructured grids. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050173.	1.7	1
42	Continental drought monitoring using satellite soil moisture, data assimilation and an integrated drought index. <i>Remote Sensing of Environment</i> , 2020, 250, 112028.	11.0	94
43	Cryptochrome 1 Alleviates the Antiproliferative Effect of Isoproterenol on Human Gastric Cancer Cells. <i>Dose-Response</i> , 2020, 18, 155932582093902.	1.6	5
44	Potential Precipitation Predictability Decreases Under Future Warming. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090798.	4.0	9
45	Learning deep IA bidirectional intelligence. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020, 21, 558-562.	2.6	2
46	An efficient approach for numerical simulation of concrete-filled round-ended steel tubes. <i>Journal of Constructional Steel Research</i> , 2020, 170, 106086.	3.9	14
47	Three-dimensional vehicle-ballasted track-subgrade interaction: Model construction and numerical analysis. <i>Applied Mathematical Modelling</i> , 2020, 86, 424-445.	4.2	25
48	Abatement of the membrane biofouling: Performance of an in-situ integrated bioelectrochemical-ultrafiltration system. <i>Water Research</i> , 2020, 179, 115892.	11.3	24
49	Using Multi-Temporal MODIS NDVI Data to Monitor Tea Status and Forecast Yield: A Case Study at Tanuyen, Laichau, Vietnam. <i>Remote Sensing</i> , 2020, 12, 1814.	4.0	19
50	Insight into the effect of in-situ galvanic micro-coagulation on membrane fouling mitigation treating surface water. <i>Journal of Membrane Science</i> , 2020, 610, 118234.	8.2	5
51	Occurrences of 29 pesticides in the Huangpu River, China: Highest ecological risk identified in Shanghai metropolitan area. <i>Chemosphere</i> , 2020, 251, 126411.	8.2	71
52	Improving Global Monthly and Daily Precipitation Estimation by Fusing Gauge Observations, Remote Sensing, and Reanalysis Data Sets. <i>Water Resources Research</i> , 2020, 56, e2019WR026444.	4.2	64
53	A data-driven multi-model ensemble for deterministic and probabilistic precipitation forecasting at seasonal scale. <i>Climate Dynamics</i> , 2020, 54, 3355-3374.	3.8	26
54	Train-track coupled dynamics analysis: system spatial variation on geometry, physics and mechanics. <i>Railway Engineering Science</i> , 2020, 28, 36-53.	4.4	56

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55	Vehicle-track interaction with consideration of rail irregularities at three-dimensional space. <i>JVC/Journal of Vibration and Control</i> , 2020, 26, 1228-1240.	2.6	9
56	Optimal voltage and treatment time of electric field with assistant <i>Solanum nigrum</i> L. cadmium hyperaccumulation in soil. <i>Chemosphere</i> , 2020, 253, 126575.	8.2	17
57	A model for vehicle-track random interactions on effects of crosswinds and track irregularities. <i>Vehicle System Dynamics</i> , 2019, 57, 444-469.	3.7	13
58	A three-dimensional model for train-track-bridge dynamic interactions with hypothesis of wheel-rail rigid contact. <i>Mechanical Systems and Signal Processing</i> , 2019, 132, 471-489.	8.0	50
59	A three-dimensional dynamic model for train-track interactions. <i>Applied Mathematical Modelling</i> , 2019, 76, 443-465.	4.2	50
60	A spatiotemporal deep learning model for sea surface temperature field prediction using time-series satellite data. <i>Environmental Modelling and Software</i> , 2019, 120, 104502.	4.5	122
61	Application of Microfluidics in Wearable Devices. <i>Small Methods</i> , 2019, 3, 1900688.	8.6	37
62	Diffusion-Dominated Pinch-Off of Ultralow Surface Tension Fluids. <i>Physical Review Letters</i> , 2019, 123, 134501.	7.8	22
63	Application of Integrated Bioelectrochemical-Wetland Systems for Future Sustainable Wastewater Treatment. <i>Environmental Science & Technology</i> , 2019, 53, 1741-1743.	10.0	33
64	Towards concurrent pollutants removal and high energy harvesting in a pilot-scale CW-MFC: Insight into the cathode conditions and electrodes connection. <i>Chemical Engineering Journal</i> , 2019, 373, 150-160.	12.7	120
65	A universal state and its relaxation mechanisms of long-range interacting polygons. <i>Nature Communications</i> , 2019, 10, 1737.	12.8	7
66	The effects of pH and salts on nucleic acid partitioning during phenol extraction. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 305-320.	1.1	8
67	Bond strength and corrosion behavior of rebar embedded in straw ash concrete. <i>Construction and Building Materials</i> , 2019, 205, 21-30.	7.2	19
68	Effects of micro-/nano-hydroxyapatite and phytoremediation on fungal community structure in copper contaminated soil. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 100-109.	6.0	32
69	Assessment of bacterial communities in Cu-contaminated soil immobilized by a one-time application of micro-/nano-hydroxyapatite and phytoremediation for 3 years. <i>Chemosphere</i> , 2019, 223, 240-249.	8.2	26
70	Spatiotemporal Changes in China's Terrestrial Water Storage From GRACE Satellites and Its Possible Drivers. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11976-11993.	3.3	44
71	Improving the North American multi-model ensemble (NMME) precipitation forecasts at local areas using wavelet and machine learning. <i>Climate Dynamics</i> , 2019, 53, 601-615.	3.8	42
72	Effects of yttrium doping on the electrical performances and stability of ZnO thin-film transistors. <i>Applied Surface Science</i> , 2019, 475, 565-570.	6.1	55

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73	Cross Wind Effects on Vehicle-Track Interactions: A Methodology for Dynamic Model Construction. <i>Journal of Computational and Nonlinear Dynamics</i> , 2019, 14, .	1.2	8
74	Impacts of Cys392, Asp393, and ATP on the FAD Binding, Photoreduction, and the Stability of the Radical State of <i>Chlamydomonas reinhardtii</i> Cryptochrome. <i>ChemBioChem</i> , 2019, 20, 940-948.	2.6	4
75	Global drought trends under 1.5 and 2 °C warming. <i>International Journal of Climatology</i> , 2019, 39, 2375-2385.	3.5	100
76	Deep IA-BI and Five Actions in Circling. <i>Lecture Notes in Computer Science</i> , 2019, , 1-21.	1.3	4
77	Emergence of Droplets at the Nonequilibrium All-Aqueous Interface in a Vertical Hele-Shaw Cell. <i>Langmuir</i> , 2018, 34, 3030-3036.	3.5	14
78	Probabilistic assessment of railway vehicle-curved track systems considering track random irregularities. <i>Vehicle System Dynamics</i> , 2018, 56, 1552-1576.	3.7	24
79	Global Sensitivity Analysis for Vehicle-Track Interactions: Special Attention on Track Irregularities. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	1.2	6
80	A comparison of large-scale climate signals and the North American Multi-Model Ensemble (NMME) for drought prediction in China. <i>Journal of Hydrology</i> , 2018, 557, 378-390.	5.4	26
81	Track Random Irregularity Analysis for Heavy-Haul Railway. , 2018, , .		1
82	Development of a railway wagon-track interaction model: Case studies on excited tracks. <i>Mechanical Systems and Signal Processing</i> , 2018, 100, 877-898.	8.0	20
83	An advanced vehicle-slab track interaction model considering rail random irregularities. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 4592-4603.	2.6	31
84	On use of characteristic wavelengths of track irregularities to predict track portions with deteriorated wheel/rail forces. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 264-278.	8.0	28
85	Machine learning and causal analyses for modeling financial and economic data. <i>Applied Informatics</i> , 2018, 5, .	0.5	7
86	Research on the Peaks of Elevated Box Bridge Structure Noise of High Speed Railway. , 2018, , .		0
87	Formulation of Track Irregularities Boundary PSD Based on a 3-D Nonlinear Vehicle-Track Interaction Model. , 2018, , .		0
88	Deep bidirectional intelligence: AlphaZero, deep IA-search, deep IA-infer, and TPC causal learning. <i>Applied Informatics</i> , 2018, 5, .	0.5	14
89	Investigation on the Detrimental Wavelength of Track Irregularity for the Suspended Monorail Vehicle System. , 2018, , .		1
90	Researches on Vibration and Noise Reduction of CRTS-III Slab Track Arranged on Box Bridge. , 2018, , .		0

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91	An evaluation of statistical, NMME and hybrid models for drought prediction in China. <i>Journal of Hydrology</i> , 2018, 566, 235-249.	5.4	65
92	A Three-Dimensional Dynamic Model for Railway Vehicle–Track Interactions. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	1.2	11
93	A coupled model for train-track-bridge stochastic analysis with consideration of spatial variation and temporal evolution. <i>Applied Mathematical Modelling</i> , 2018, 63, 709-731.	4.2	39
94	Ornamental hyperaccumulator <i>Mirabilis jalapa</i> L. phytoremediating combine contaminated soil enhanced by some chelators and surfactants. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29699-29704.	5.3	14
95	Enhanced phytoremediation of cadmium and/or benzo(a)pyrene contaminated soil by hyperaccumulator <i>Solanum nigrum</i> L.. <i>International Journal of Phytoremediation</i> , 2018, 20, 862-868.	3.1	10
96	A fancy eco-compatible wastewater treatment system: Green Bio-sorption Reactor. <i>Bioresource Technology</i> , 2017, 234, 224-232.	9.6	17
97	Embedding constructed wetland in sequencing batch reactor for enhancing nutrients removal: A comparative evaluation. <i>Journal of Environmental Management</i> , 2017, 192, 302-308.	7.8	21
98	Residues at a Single Site Differentiate Animal Cryptochromes from Cyclobutane Pyrimidine Dimer Photolyases by Affecting the Proteins' Preferences for Reduced FAD. <i>ChemBioChem</i> , 2017, 18, 1129-1137.	2.6	6
99	Constructed wetland integrated microbial fuel cell system: looking back, moving forward. <i>Water Science and Technology</i> , 2017, 76, 471-477.	2.5	37
100	Extended applications of track irregularity probabilistic model and vehicle–slab track coupled model on dynamics of railway systems. <i>Vehicle System Dynamics</i> , 2017, 55, 1686-1706.	3.7	18
101	Comparative investigation of the deactivation behaviors over HZSM-5 and HSAPO-34 catalysts during low-temperature methanol conversion. <i>Catalysis Science and Technology</i> , 2017, 7, 2022-2031.	4.1	26
102	Energy capture and nutrients removal enhancement through a stacked constructed wetland incorporated with microbial fuel cell. <i>Water Science and Technology</i> , 2017, 76, 28-34.	2.5	34
103	A new model for temporal–spatial stochastic analysis of vehicle–track coupled systems. <i>Vehicle System Dynamics</i> , 2017, 55, 427-448.	3.7	48
104	Unusual deactivation of HZSM-5 zeolite in the methanol to hydrocarbon reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 894-901.	4.1	13
105	Hyperaccumulating potential of <i>Bidens pilosa</i> L. for Cd and elucidation of its translocation behavior based on cell membrane permeability. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23161-23167.	5.3	38
106	Will China make a difference in its carbon intensity reduction targets by 2020 and 2030?. <i>Applied Energy</i> , 2017, 203, 874-882.	10.1	93
107	Environmental efficiency analysis of the Yangtze River Economic Zone using super efficiency data envelopment analysis (SEDEA) and tobit models. <i>Energy</i> , 2017, 134, 659-671.	8.8	108
108	On effects of track random irregularities on random vibrations of vehicle–track interactions. <i>Probabilistic Engineering Mechanics</i> , 2017, 50, 25-35.	2.7	22

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109	Stochastic analysis model for vehicle-track coupled systems subject to earthquakes and track random irregularities. <i>Journal of Sound and Vibration</i> , 2017, 407, 209-225.	3.9	57
110	A probabilistic model for track random irregularities in vehicle/track coupled dynamics. <i>Applied Mathematical Modelling</i> , 2017, 51, 145-158.	4.2	66
111	Mechanism of Contact between a Droplet and an Atomically Smooth Substrate. <i>Physical Review X</i> , 2017, 7, .	8.9	17
112	Relationship between air quality and economic development in the provincial capital cities of China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2928-2935.	5.3	20
113	A novel model for determining the amplitude-wavelength limits of track irregularities accompanied by a reliability assessment in railway vehicle-track dynamics. <i>Mechanical Systems and Signal Processing</i> , 2017, 86, 260-277.	8.0	73
114	Equilibrium, Kinetic, and Thermodynamic Studies on the Adsorption of Cadmium from Aqueous Solution by Modified Biomass Ash. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-9.	4.1	38
115	Star-causality and factor analysis: old stories and new perspectives. <i>Applied Informatics</i> , 2017, 4, .	0.5	0
116	Influence of acid site density on the three-staged MTH induction reaction over HZSM-5 zeolite. <i>RSC Advances</i> , 2016, 6, 52284-52291.	3.6	12
117	Probing the Role of Mobility in the Collective Motion of Nonequilibrium Systems. <i>Physical Review Letters</i> , 2016, 116, 048302.	7.8	14
118	Promoting the bio-cathode formation of a constructed wetland-microbial fuel cell by using powder activated carbon modified alum sludge in anode chamber. <i>Scientific Reports</i> , 2016, 6, 26514.	3.3	43
119	Evolution of the reaction mechanism during the MTH induction period over the 2-dimensional FER zeolite. <i>RSC Advances</i> , 2016, 6, 56698-56704.	3.6	12
120	The integrated processes for wastewater treatment based on the principle of microbial fuel cells: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 60-91.	12.8	144
121	Contribution of Fe ₃ O ₄ nanoparticles to the fouling of ultrafiltration with coagulation pre-treatment. <i>Scientific Reports</i> , 2015, 5, 13067.	3.3	11
122	Kelvin's Helmholtz instability in an ultrathin air film causes drop splashing on smooth surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3280-3284.	7.1	103
123	Photoreactivation of <i>Escherichia coli</i> is impaired at high growth temperatures. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 147, 37-46.	3.8	12
124	A review of a recently emerged technology: Constructed wetland " Microbial fuel cells. <i>Water Research</i> , 2015, 85, 38-45.	11.3	285
125	Superhydrophobic-like tunable droplet bouncing on slippery liquid interfaces. <i>Nature Communications</i> , 2015, 6, 7986.	12.8	229
126	A Novel Type II NAD ⁺ -Specific Isocitrate Dehydrogenase from the Marine Bacterium <i>Congregibacter litoralis</i> KT71. <i>PLoS ONE</i> , 2015, 10, e0125229.	2.5	10

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127	Investigation of pre-coagulation and powder activate carbon adsorption on ultrafiltration membrane fouling. <i>Journal of Membrane Science</i> , 2014, 459, 157-168.	8.2	67
128	Visualizing kinetic pathways of homogeneous nucleation in colloidal crystallization. <i>Nature Physics</i> , 2014, 10, 73-79.	16.7	205
129	Pre-treatment for ultrafiltration: effect of pre-chlorination on membrane fouling. <i>Scientific Reports</i> , 2014, 4, 6513.	3.3	54
130	The pre-treatment of submerged ultrafiltration membrane by coagulation—Effect of polyacrylamide as a coagulant aid. <i>Journal of Membrane Science</i> , 2013, 446, 50-58.	8.2	53
131	Eliminating cracking during drying. <i>European Physical Journal E</i> , 2013, 36, 28.	1.6	15
132	Coalescence of Pickering Emulsion Droplets Induced by an Electric Field. <i>Physical Review Letters</i> , 2013, 110, 064502.	7.8	46
133	Compressible air entrapment in high-speed drop impacts on solid surfaces. <i>Journal of Fluid Mechanics</i> , 2013, 716, .	3.4	52
134	Molecular Switches and Multiple Logic Gates Based on 4-(2-Pyridylazo)resorcinol. <i>Chinese Journal of Chemistry</i> , 2013, 31, 721-725.	4.9	0
135	Understanding the Low-Frequency Quasilocalized Modes in Disordered Colloidal Systems. <i>Physical Review Letters</i> , 2012, 108, 095501.	7.8	43
136	Hierarchical Porous Materials Made by Drying Complex Suspensions. <i>Langmuir</i> , 2011, 27, 955-964.	3.5	55
137	Altered nucleic acid partitioning during phenol extraction or silica adsorption by guanidinium and potassium salts. <i>Analytical Biochemistry</i> , 2011, 419, 309-316.	2.4	12
138	The Roles of Several Residues of <i>Escherichia coli</i> DNA Photolyase in the Highly Efficient Photo-Repair of Cyclobutane Pyrimidine Dimers. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-7.	1.2	7
139	Drying of Complex Suspensions. <i>Physical Review Letters</i> , 2010, 104, 128303.	7.8	18
140	Instability development of a viscous liquid drop impacting a smooth substrate. <i>Physical Review E</i> , 2010, 82, 025303.	2.1	14
141	Towards the zero-surface-tension limit in granular fingering instability. <i>Nature Physics</i> , 2008, 4, 234-237.	16.7	106
142	Dynamics of Drying in 3D Porous Media. <i>Physical Review Letters</i> , 2008, 101, 094502.	7.8	95
143	Active Site of <i>Escherichia coli</i> DNA Photolyase: Asn378 Is Crucial both for Stabilizing the Neutral Flavin Radical Cofactor and for DNA Repair. <i>Biochemistry</i> , 2008, 47, 8736-8743.	2.5	29
144	Liquid drop splashing on smooth, rough, and textured surfaces. <i>Physical Review E</i> , 2007, 75, 056316.	2.1	179

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145	Splashing of liquids: Interplay of surface roughness with surrounding gas. <i>Physical Review E</i> , 2007, 76, 066311.	2.1	113
146	Relationship between increase rate of human plague in China and global climate index as revealed by cross-spectral and cross-wavelet analyses. <i>Integrative Zoology</i> , 2007, 2, 144-153.	2.6	40
147	Reversible resolution of flavin and pterin cofactors of His-tagged <i>Escherichia coli</i> DNA photolyase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1454-1461.	2.3	12
148	Activity assay of His-tagged <i>E. coli</i> DNA photolyase by RP-HPLC and SE-HPLC. <i>Journal of Proteomics</i> , 2005, 63, 111-124.	2.4	10
149	Drop Splashing on a Dry Smooth Surface. <i>Physical Review Letters</i> , 2005, 94, 184505.	7.8	553
150	Transient probabilistic solutions of stochastic oscillator with even nonlinearities by exponential polynomial closure method. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632098777.	2.6	3
151	Nickel(II) complexes with sterically hindered 5,6,7-trihydroquinoline derivatives selectively dimerizing ethylene to 1-butene. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	5