Chao Li

List of Publications by Year in descending order

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41 papers	1,624 citations	430874 18 h-index	302126 39 g-index
44 all docs	44 docs citations	44 times ranked	2574 citing authors

#	Article	IF	Citations
1	Innovative methodology for comprehensive utilization of iron ore tailings. Journal of Hazardous Materials, 2010, 174, 71-77.	12.4	209
2	Investigation on the activation of coal gangue by a new compound method. Journal of Hazardous Materials, 2010, 179, 515-520.	12.4	153
3	Ultrahigh and Broad Spectral Photodetectivity of an Organicâ€“Inorganic Hybrid Phototransistor for Flexible Electronics. Advanced Materials, 2015, 27, 6885-6891.	21.0	137
4	Innovative methodology for comprehensive utilization of iron ore tailings. Journal of Hazardous Materials, 2010, 174, 78-83.	12.4	104
5	Hierarchical NiCo₂S₄ Nanotube@NiCo₂S₄ Nanosheet Arrays on Ni Foam for Highâ€Performance Supercapacitors. Chemistry - an Asian Journal, 2016, 11, 248-255.	3.3	100
6	An Injectable Oxygen Release System to Augment Cell Survival and Promote Cardiac Repair Following Myocardial Infarction. Scientific Reports, 2018, 8, 1371.	3.3	92
7	Paperâ€Based Surfaces with Extreme Wettabilities for Novel, Openâ€Channel Microfluidic Devices. Advanced Functional Materials, 2016, 26, 6121-6131.	14.9	82
8	Quasi-Two-Dimensional Metal Oxide Semiconductors Based Ultrasensitive Potentiometric Biosensors. ACS Nano, 2017, 11, 4710-4718.	14.6	79
9	Direct Visualization of Thermal Conductivity Suppression Due to Enhanced Phonon Scattering Near Individual Grain Boundaries. Nano Letters, 2018, 18, 3466-3472.	9.1	74
10	Probing photoelectrical transport in lead halide perovskites with van der Waals contacts. Nature Nanotechnology, 2020, 15, 768-775.	31.5	63
11	Novel Strategy for One-Pot Synthesis of Gold Nanoplates on Carbon Nanotube Sheet As an Effective Flexible SERS Substrate. ACS Applied Materials & Interfaces, 2017, 9, 6246-6254.	8.0	60
12	The Composition of Fly Ash Glass Phase and Its Dissolution Properties Applying to Geopolymeric Materials. Journal of the American Ceramic Society, 2011, 94, 1773-1778.	3.8	53
13	Biomimetic polyurethane/TiO2 nanocomposite scaffolds capable of promoting biomineralization and mesenchymal stem cell proliferation. Materials Science and Engineering C, 2018, 85, 79-87.	7.3	44
14	In situ formation of lithium fast-ion conductors and improved hydrogen desorption properties of the LiNH2â€“MgH2 system with the addition of lithium halides. Journal of Materials Chemistry A, 2014, 2, 3155.	10.3	39
15	High oxygen preservation hydrogels to augment cell survival under hypoxic condition. Acta Biomaterialia, 2020, 105, 56-67.	8.3	38
16	Under oil open-channel microfluidics empowered by exclusive liquid repellency. Science Advances, 2020, 6, eaay9919.	10.3	34
17	Exclusive Liquid Repellency: An Open Multi-Liquid-Phase Technology for Rare Cell Culture and Single-Cell Processing. ACS Applied Materials & Interfaces, 2018, 10, 17065-17070.	8.0	28
18	Tuning Wet Adhesion of Weak Polyelectrolyte Multilayers. ACS Applied Materials & Interfaces, 2018, 10, 7401-7412.	8.0	20

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19	Double-exclusive liquid repellency (double-ELR): an enabling technology for rare phenotype analysis. Lab on A Chip, 2018, 18, 2710-2719.	6.0	20
20	Defect-induced instability mechanisms of sputtered amorphous indium tin zinc oxide thin-film transistors. Journal of Applied Physics, 2018, 123, .	2.5	19
21	Ultrahigh vacuum dc magnetron sputter-deposition of epitaxial Pd(111)/Al2O3(0001) thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, 030602.	2.1	19
22	Lysis and direct detection of coliforms on printed paper-based microfluidic devices. Lab on A Chip, 2020, 20, 4413-4419.	6.0	17
23	Automated System for Small-Population Single-Particle Processing Enabled by Exclusive Liquid Repellency. SLAS Technology, 2019, 24, 535-542.	1.9	16
24	Non-Fluorinated, Superhydrophobic Binder-Filler Coatings on Smooth Surfaces: Controlled Phase Separation of Particles to Enhance Mechanical Durability. Langmuir, 2021, 37, 3104-3112.	3.5	16
25	Social motility of biofilm-like microcolonies in a gliding bacterium. Nature Communications, 2021, 12, 5700.	12.8	16
26	Corrosion inhibition of AA2024-T3 by a coating containing dual-pH sensitive, corrosion inhibitor loaded microspheres. Corrosion Science, 2021, 192, 109835.	6.6	16
27	Facile synthesis of porous Mn2O3/TiO2 microspheres as anode materials for lithium-ion batteries with enhanced electrochemical performance. Journal of Materials Science: Materials in Electronics, 2018, 29, 16064-16073.	2.2	10
28	Centrifugation-Assisted Immiscible Fluid Filtration for Dual-Bioanalyte Extraction. Analytical Chemistry, 2019, 91, 11848-11855.	6.5	10
29	Facile Synthesis of Porous Ternary MnTiO₃/TiO₂/C Composite with Enhanced Electrochemical Performance as Anode Materials for Lithium Ion Batteries. Energy Technology, 2019, 7, 1800761.	3.8	8
30	Underâ€Oil Autonomously Regulated Oxygen Microenvironments: A Goldilocks Principleâ€Based Approach for Microscale Cell Culture. Advanced Science, 2022, 9, e2104510.	11.2	8
31	Injectable, thermosensitive, fast gelation, bioeliminable, and oxygen sensitive hydrogels. Materials Science and Engineering C, 2019, 99, 1191-1198.	7.3	6
32	Smart coating with dual-pH sensitive, inhibitor-loaded nanofibers for corrosion protection. Npj Materials Degradation, 2021, 5, .	5.8	6
33	Corrosion inhibition of AA2024-T3 by smart polyelectrolyte coacervates responsive to both acidic and alkaline environments. Progress in Organic Coatings, 2020, 146, 105719.	3.9	6
34	Relationship between polymerization degree and cementitious activity of iron ore tailings. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 116-120.	4.9	5
35	Facile design of F-doped TiO2/g-C3N4 heterojunction for enhanced visible-light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2020, 31, 3681-3694.	2.2	5
36	Hollow Silicon Oxide Sphere Coated with Cuprous Oxide and Polyaniline as an Anode for High-Performance Lithium-Ion Batteries. Nano, 2019, 14, 1950031.	1.0	3

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37	Erosion of tungsten surfaces in He and Ar/He plasma. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	2
38	Continuous Liquidâ€“Liquid Extraction and in-Situ Membrane Separation of Miscible Liquid Mixtures. Langmuir, 2021, 37, 13595-13601.	3.5	2
39	Injectable Oxygen Sensitive Chitosan Complex with High Oxygen Sensitivity and Stability to Oxidoreductants. ACS Biomaterials Science and Engineering, 2019, 5, 2173-2179.	5.2	1
40	The characterization of Al2O3 and TiO2 antireflection coatings with a novel X-Ray reflectivity method and other experimental techniques. , 2015, , .		0
41	Graphitic carbon nitride nanosheets decorated with TiO2 mesocrystals for visible-light photodegradation of rhodamine B. Journal of Materials Science: Materials in Electronics, 2021, 32, 8687-8702.	2.2	0