

Chao Li

List of Publications by Year in descending order

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41
papers

1,624
citations

489802

18
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340414

39
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44
all docs

44
docs citations

44
times ranked

2935
citing authors

#	ARTICLE	IF	CITATIONS
1	Under Oil Autonomously Regulated Oxygen Microenvironments: A Goldilocks Principle-Based Approach for Microscale Cell Culture. <i>Advanced Science</i> , 2022, 9, e2104510.	5.6	8
2	Non-Fluorinated, Superhydrophobic Binder-Filler Coatings on Smooth Surfaces: Controlled Phase Separation of Particles to Enhance Mechanical Durability. <i>Langmuir</i> , 2021, 37, 3104-3112.	1.6	16
3	Graphitic carbon nitride nanosheets decorated with TiO ₂ mesocrystals for visible-light photodegradation of rhodamine B. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8687-8702.	1.1	0
4	Social motility of biofilm-like microcolonies in a gliding bacterium. <i>Nature Communications</i> , 2021, 12, 5700.	5.8	16
5	Corrosion inhibition of AA2024-T3 by a coating containing dual-pH sensitive, corrosion inhibitor loaded microspheres. <i>Corrosion Science</i> , 2021, 192, 109835.	3.0	16
6	Smart coating with dual-pH sensitive, inhibitor-loaded nanofibers for corrosion protection. <i>Npj Materials Degradation</i> , 2021, 5, .	2.6	6
7	Continuous Liquid-Liquid Extraction and in-Situ Membrane Separation of Miscible Liquid Mixtures. <i>Langmuir</i> , 2021, 37, 13595-13601.	1.6	2
8	Probing photoelectrical transport in lead halide perovskites with van der Waals contacts. <i>Nature Nanotechnology</i> , 2020, 15, 768-775.	15.6	63
9	Lysis and direct detection of coliforms on printed paper-based microfluidic devices. <i>Lab on A Chip</i> , 2020, 20, 4413-4419.	3.1	17
10	Facile design of F-doped TiO ₂ /g-C ₃ N ₄ heterojunction for enhanced visible-light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3681-3694.	1.1	5
11	High oxygen preservation hydrogels to augment cell survival under hypoxic condition. <i>Acta Biomaterialia</i> , 2020, 105, 56-67.	4.1	38
12	Under oil open-channel microfluidics empowered by exclusive liquid repellency. <i>Science Advances</i> , 2020, 6, eaay9919.	4.7	34
13	Corrosion inhibition of AA2024-T3 by smart polyelectrolyte coacervates responsive to both acidic and alkaline environments. <i>Progress in Organic Coatings</i> , 2020, 146, 105719.	1.9	6
14	Centrifugation-Assisted Immiscible Fluid Filtration for Dual-Bioanalyte Extraction. <i>Analytical Chemistry</i> , 2019, 91, 11848-11855.	3.2	10
15	Automated System for Small-Population Single-Particle Processing Enabled by Exclusive Liquid Repellency. <i>SLAS Technology</i> , 2019, 24, 535-542.	1.0	16
16	Injectable Oxygen Sensitive Chitosan Complex with High Oxygen Sensitivity and Stability to Oxidoreductants. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2173-2179.	2.6	1
17	Hollow Silicon Oxide Sphere Coated with Cuprous Oxide and Polyaniline as an Anode for High-Performance Lithium-Ion Batteries. <i>Nano</i> , 2019, 14, 1950031.	0.5	3
18	Injectable, thermosensitive, fast gelation, bioeliminable, and oxygen sensitive hydrogels. <i>Materials Science and Engineering C</i> , 2019, 99, 1191-1198.	3.8	6

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19	Facile Synthesis of Porous Ternary MnTiO ₃ /TiO ₂ /C Composite with Enhanced Electrochemical Performance as Anode Materials for Lithium Ion Batteries. Energy Technology, 2019, 7, 1800761.	1.8	8
20	Direct Visualization of Thermal Conductivity Suppression Due to Enhanced Phonon Scattering Near Individual Grain Boundaries. Nano Letters, 2018, 18, 3466-3472.	4.5	74
21	Tuning Wet Adhesion of Weak Polyelectrolyte Multilayers. ACS Applied Materials & Interfaces, 2018, 10, 7401-7412.	4.0	20
22	An Injectable Oxygen Release System to Augment Cell Survival and Promote Cardiac Repair Following Myocardial Infarction. Scientific Reports, 2018, 8, 1371.	1.6	92
23	Defect-induced instability mechanisms of sputtered amorphous indium tin zinc oxide thin-film transistors. Journal of Applied Physics, 2018, 123, .	1.1	19
24	Biomimetic polyurethane/TiO ₂ nanocomposite scaffolds capable of promoting biomineralization and mesenchymal stem cell proliferation. Materials Science and Engineering C, 2018, 85, 79-87.	3.8	44
25	Ultrahigh vacuum dc magnetron sputter-deposition of epitaxial Pd(111)/Al ₂ O ₃ (0001) thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, 030602.	0.9	19
26	Facile synthesis of porous Mn ₂ O ₃ /TiO ₂ microspheres as anode materials for lithium-ion batteries with enhanced electrochemical performance. Journal of Materials Science: Materials in Electronics, 2018, 29, 16064-16073.	1.1	10
27	Double-exclusive liquid repellency (double-ELR): an enabling technology for rare phenotype analysis. Lab on A Chip, 2018, 18, 2710-2719.	3.1	20
28	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.	4.0	28
29	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.	4.0	60
30	Quasi-Two-Dimensional Metal Oxide Semiconductors Based Ultrasensitive Potentiometric Biosensors. ACS Nano, 2017, 11, 4710-4718.	7.3	79
31	Paper-Based Surfaces with Extreme Wettabilities for Novel, Open-Channel Microfluidic Devices. Advanced Functional Materials, 2016, 26, 6121-6131.	7.8	82
32	Hierarchical NiCo ₂ S ₄ Nanotube@NiCo ₂ S ₄ Nanosheet Arrays on Ni Foam for High-Performance Supercapacitors. Chemistry - an Asian Journal, 2016, 11, 248-255.	1.7	100
33	Erosion of tungsten surfaces in He and Ar/He plasma. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	1.3	2
34	The characterization of Al ₂ O ₃ and TiO ₂ antireflection coatings with a novel X-Ray reflectivity method and other experimental techniques. , 2015, , .		0
35	Ultrahigh and Broad Spectral Photodetectivity of an Organic-Inorganic Hybrid Phototransistor for Flexible Electronics. Advanced Materials, 2015, 27, 6885-6891.	11.1	137
36	In situ formation of lithium fast-ion conductors and improved hydrogen desorption properties of the LiNH ₂ -MgH ₂ system with the addition of lithium halides. Journal of Materials Chemistry A, 2014, 2, 3155.	5.2	39

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37	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.	1.9	53
38	Relationship between polymerization degree and cementitious activity of iron ore tailings. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 116-120.	2.4	5
39	Innovative methodology for comprehensive utilization of iron ore tailings. Journal of Hazardous Materials, 2010, 174, 71-77.	6.5	209
40	Innovative methodology for comprehensive utilization of iron ore tailings. Journal of Hazardous Materials, 2010, 174, 78-83.	6.5	104
41	Investigation on the activation of coal gangue by a new compound method. Journal of Hazardous Materials, 2010, 179, 515-520.	6.5	153