

Liang Luo

List of Publications by Year in descending order

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38
papers

883
citations

516710

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477307

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38
times ranked

1625
citing authors

#	ARTICLE	IF	CITATIONS
1	Healable, Transparent, Room-Temperature Electronic Sensors Based on Carbon Nanotube Network-Coated Polyelectrolyte Multilayers. <i>Small</i> , 2015, 11, 5807-5813.	10.0	151
2	Sea urchin-like Ag ⁺ -Fe ₂ O ₃ nanocomposite microspheres: synthesis and gas sensing applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 7232.	6.7	85
3	A 3D porous Ni-Cu alloy film for high-performance hydrazine electrooxidation. <i>Nanoscale</i> , 2016, 8, 1479-1484.	5.6	74
4	Development of hydrophilicity gradient ultracentrifugation method for photoluminescence investigation of separated non-sedimental carbon dots. <i>Nano Research</i> , 2015, 8, 2810-2821.	10.4	49
5	Density gradient ultracentrifugation for colloidal nanostructures separation and investigation. <i>Science Bulletin</i> , 2018, 63, 645-662.	9.0	35
6	Promoting electrochemical conversion of CO ₂ to formate with rich oxygen vacancies in nanoporous tin oxides. <i>Chinese Chemical Letters</i> , 2019, 30, 2274-2278.	9.0	35
7	One-pot synthesis and catalyst support application of mesoporous N-doped carbonaceous materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 12149.	6.7	33
8	Patterning and pixelation of colloidal photonic crystals for addressable integrated photonics. <i>Journal of Materials Chemistry</i> , 2011, 21, 11330.	6.7	31
9	Separation of gold nanorods using density gradient ultracentrifugation. <i>Nano Research</i> , 2011, 4, 723-728.	10.4	29
10	Antibuoyancy and Unidirectional Gas Evolution by Janus Electrodes with Asymmetric Wettability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23627-23634.	8.0	29
11	A process-analysis microsystem based on density gradient centrifugation and its application in the study of the galvanic replacement mechanism of Ag nanoplates with HAuCl ₄ . <i>Chemical Communications</i> , 2012, 48, 7241.	4.1	27
12	Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes as High-Performance Bifunctional Oxygen Catalysts. <i>Energy Technology</i> , 2017, 5, 1265-1271.	3.8	26
13	Probing the seeded protocol for high-concentration preparation of silver nanowires. <i>Nano Research</i> , 2016, 9, 1532-1542.	10.4	25
14	Superwetting behaviors at the interface between electrode and electrolyte. <i>Cell Reports Physical Science</i> , 2021, 2, 100374.	5.6	22
15	±-Fe ₂ O ₃ nanorod arrays for bioanalytical applications: nitrite and hydrogen peroxide detection. <i>RSC Advances</i> , 2013, 3, 8489.	3.6	21
16	Mesoporous assembled SnO ₂ nanospheres: Controlled synthesis, structural analysis and ethanol sensing investigation. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 629-636.	7.8	21
17	One-pot solvothermal method to prepare functionalized Fe ₃ O ₄ nanoparticles for bioseparation. <i>Journal of Materials Research</i> , 2012, 27, 1006-1013.	2.6	17
18	Ultrathin Aluminum Nanosheets Grown on Carbon Nanotubes for High Performance Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2109112.	14.9	17

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19	Kinetic study of electrochemically produced hydrogen bubbles on Pt electrodes with tailored geometries. <i>Nano Research</i> , 2021, 14, 2154-2159.	10.4	15
20	Highly stable Ag@Au nanoplates and nanoframes for two-photon luminescence. <i>RSC Advances</i> , 2014, 4, 35263.	3.6	14
21	Controllable synthesis and electrocatalytic applications of atomically precise gold nanoclusters. <i>Nanoscale Advances</i> , 2021, 3, 6330-6341.	4.6	14
22	Highly controlled bifunctional Ag@rubrene core-shell nanostructures: surface-enhanced fluorescence and Raman scattering. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4146.	5.5	12
23	Ag@zinc-tetraphenylporphyrin core-shell nanostructures with unusual thickness-tunable fluorescence. <i>Chemical Communications</i> , 2013, 49, 3513.	4.1	11
24	Controllable Assembly and Separation of Colloidal Nanoparticles through a One-Step Tube Synthesis Based on Density Gradient Centrifugation. <i>Chemistry - A European Journal</i> , 2015, 21, 7211-7216.	3.3	11
25	Universal Parameter Optimization of Density Gradient Ultracentrifugation Using CdSe Nanoparticles as Tracing Agents. <i>Analytical Chemistry</i> , 2016, 88, 8495-8501.	6.5	11
26	Separation and phase transition investigation of Yb ³⁺ /Er ³⁺ co-doped NaYF ₄ nanoparticles. <i>Dalton Transactions</i> , 2013, 42, 13315.	3.3	10
27	Solvothermal synthesis of FeCo nanoparticles for magneto-controllable biocatalysis. <i>RSC Advances</i> , 2014, 4, 11136-11141.	3.6	9
28	Solvent switching and purification of colloidal nanoparticles through water/oil Interfaces within a density gradient. <i>Nano Research</i> , 2014, 7, 1670-1679.	10.4	8
29	Synthesis of Ultrastable Ag Nanoplates/Polyethylenimine-Reduced Graphene Oxide and Its Application as a Versatile Electrochemical Sensor. <i>Chemistry - A European Journal</i> , 2016, 22, 10923-10929.	3.3	8
30	Asymmetric hetero-assembly of colloidal nanoparticles through a "crash reaction" in a centrifugal field. <i>Dalton Transactions</i> , 2014, 43, 5994-5997.	3.3	7
31	Electronic Structure Engineering of 2D Carbon Nanosheets by Evolutionary Nitrogen Modulation for Synergizing CO ₂ Electroreduction. <i>ACS Applied Energy Materials</i> , 2019, 2, 3151-3159.	5.1	7
32	Understanding of Dynamic Contacting Behaviors of Underwater Gas Bubbles on Solid Surfaces. <i>Langmuir</i> , 2020, 36, 11422-11428.	3.5	7
33	Bubble Consumption Dynamics in Electrochemical Oxygen Reduction. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 473-478.	2.6	3
34	MoS _x microgrid electrodes with geometric jumping effect for enhancing hydrogen evolution efficiency. <i>Science China Materials</i> , 2021, 64, 892-898.	6.3	3
35	Unraveling the effects of gas species and surface wettability on the morphology of interfacial nanobubbles. <i>Nanoscale Advances</i> , 2022, 4, 2893-2901.	4.6	3
36	Ag@Aggregation-induced emission dye core/shell nanostructures with enhanced one- and two-photon fluorescence. <i>Optical Materials</i> , 2017, 72, 710-716.	3.6	2

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37	Nanoseparation Using Density Gradient Ultracentrifugation. Springer Briefs in Molecular Science, 2018, , .	0.1	1
38	Density Gradient Ultracentrifugation of Colloidal Nanostructures. Springer Briefs in Molecular Science, 2018, , 79-94.	0.1	0