

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
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docs citations

38
times ranked

1625
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Ultrathin Aluminum Nanosheets Grown on Carbon Nanotubes for High Performance Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2109112. | 14.9 | 17 |
| 2 | 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 |
| 3 | Kinetic study of electrochemically produced hydrogen bubbles on Pt electrodes with tailored geometries. <i>Nano Research</i> , 2021, 14, 2154-2159. | 10.4 | 15 |
| 4 | Superwetting behaviors at the interface between electrode and electrolyte. <i>Cell Reports Physical Science</i> , 2021, 2, 100374. | 5.6 | 22 |
| 5 | Controllable synthesis and electrocatalytic applications of atomically precise gold nanoclusters. <i>Nanoscale Advances</i> , 2021, 3, 6330-6341. | 4.6 | 14 |
| 6 | 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 |
| 7 | Understanding of Dynamic Contacting Behaviors of Underwater Gas Bubbles on Solid Surfaces. <i>Langmuir</i> , 2020, 36, 11422-11428. | 3.5 | 7 |
| 8 | Antibuoyancy and Unidirectional Gas Evolution by Janus Electrodes with Asymmetric Wettability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23627-23634. | 8.0 | 29 |
| 9 | Bubble Consumption Dynamics in Electrochemical Oxygen Reduction. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 473-478. | 2.6 | 3 |
| 10 | 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 |
| 11 | 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 |
| 12 | Density gradient ultracentrifugation for colloidal nanostructures separation and investigation. <i>Science Bulletin</i> , 2018, 63, 645-662. | 9.0 | 35 |
| 13 | Nanoseparation Using Density Gradient Ultracentrifugation. <i>Springer Briefs in Molecular Science</i> , 2018, , . | 0.1 | 1 |
| 14 | Density Gradient Ultracentrifugation of Colloidal Nanostructures. <i>Springer Briefs in Molecular Science</i> , 2018, , 79-94. | 0.1 | 0 |
| 15 | 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 |
| 16 | Cobalt-Embedded Nitrogen-Doped Carbon Nanotubes as High-Performance Bifunctional Oxygen Catalysts. <i>Energy Technology</i> , 2017, 5, 1265-1271. | 3.8 | 26 |
| 17 | Probing the seeded protocol for high-concentration preparation of silver nanowires. <i>Nano Research</i> , 2016, 9, 1532-1542. | 10.4 | 25 |
| 18 | Universal Parameter Optimization of Density Gradient Ultracentrifugation Using CdSe Nanoparticles as Tracing Agents. <i>Analytical Chemistry</i> , 2016, 88, 8495-8501. | 6.5 | 11 |

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|----|--|------|-----------|
| 19 | Synthesis of Ultrastable Ag Nanoplates/Polyethylenimineâ€“Reduced Graphene Oxide and Its Application as a Versatile Electrochemical Sensor. <i>Chemistry - A European Journal</i> , 2016, 22, 10923-10929. | 3.3 | 8 |
| 20 | A 3D porous Niâ€“Cu alloy film for high-performance hydrazine electrooxidation. <i>Nanoscale</i> , 2016, 8, 1479-1484. | 5.6 | 74 |
| 21 | Healable, Transparent, Roomâ€“Temperature Electronic Sensors Based on Carbon Nanotube Networkâ€“Coated Polyelectrolyte Multilayers. <i>Small</i> , 2015, 11, 5807-5813. | 10.0 | 151 |
| 22 | 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 |
| 23 | Controllable Assembly and Separation of Colloidal Nanoparticles through a Oneâ€“Tube Synthesis Based on Density Gradient Centrifugation. <i>Chemistry - A European Journal</i> , 2015, 21, 7211-7216. | 3.3 | 11 |
| 24 | 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 |
| 25 | Asymmetric hetero-assembly of colloidal nanoparticles through â€œcrash reactionâ€•in a centrifugal field. <i>Dalton Transactions</i> , 2014, 43, 5994-5997. | 3.3 | 7 |
| 26 | Solvothermal synthesis of FeCo nanoparticles for magneto-controllable biocatalysis. <i>RSC Advances</i> , 2014, 4, 11136-11141. | 3.6 | 9 |
| 27 | Highly stable Agâ€“Au nanoplates and nanoframes for two-photon luminescence. <i>RSC Advances</i> , 2014, 4, 35263. | 3.6 | 14 |
| 28 | 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 |
| 29 | Î±-Fe ₂ O ₃ nanorod arrays for bioanalytical applications: nitrite and hydrogen peroxide detection. <i>RSC Advances</i> , 2013, 3, 8489. | 3.6 | 21 |
| 30 | Highly controlled bifunctional Ag@rubrene coreâ€“shell nanostructures: surface-enhanced fluorescence and Raman scattering. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4146. | 5.5 | 12 |
| 31 | 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 |
| 32 | Ag@zincâ€“tetraphenylporphyrin coreâ€“shell nanostructures with unusual thickness-tunable fluorescence. <i>Chemical Communications</i> , 2013, 49, 3513. | 4.1 | 11 |
| 33 | Sea urchin-like Agâ€“Î±-Fe ₂ O ₃ nanocomposite microspheres: synthesis and gas sensing applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 7232. | 6.7 | 85 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|----|---|------|-----------|
| 37 | Patterning and pixelation of colloidal photonic crystals for addressable integrated photonics. Journal of Materials Chemistry, 2011, 21, 11330. | 6.7 | 31 |
| 38 | Separation of gold nanorods using density gradient ultracentrifugation. Nano Research, 2011, 4, 723-728. | 10.4 | 29 |