# Liang-Shi Li

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 7,080 citations | 186265<br>28 h-index | 315739<br>38 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 9351 citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 1 | Linearly Polarized Emission from Colloidal Semiconductor Quantum Rods. Science, 2001, 292, 2060-2063. | 12.6 | 1,136 |
| 2 | Large, Solution-Processable Graphene Quantum Dots as Light Absorbers for Photovoltaics. Nano Letters, 2010, 10, 1869-1873. | 9.1 | 837 |
| 3 | Synthesis of Large, Stable Colloidal Graphene Quantum Dots with Tunable Size. Journal of the American Chemical Society, 2010, 132, 5944-5945. | 13.7 | 720 |
| 4 | Band Gap Variation of Size- and Shape-Controlled Colloidal CdSe Quantum Rods. Nano Letters, 2001, 1, 349-351. | 9.1 | 593 |
| 5 | Nitrogen-Doped Colloidal Graphene Quantum Dots and Their Size-Dependent Electrocatalytic Activity for the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2012, 134, 18932-18935. | 13.7 | 545 |
| 6 | Epitaxial Growth and Photochemical Annealing of Graded CdS/ZnS Shells on Colloidal CdSe Nanorods. Journal of the American Chemical Society, 2002, 124, 7136-7145. | 13.7 | 539 |
| 7 | Colloidal Graphene Quantum Dots. Journal of Physical Chemistry Letters, 2010, 1, 2572-2576. | 4.6 | 323 |
| 8 | Semiconductor Nanorod Liquid Crystals. Nano Letters, 2002, 2, 557-560. | 9.1 | 297 |
| 9 | Triplet States and Electronic Relaxation in Photoexcited Graphene Quantum Dots. Nano Letters, 2010, 10, 2679-2682. | 9.1 | 269 |
| 10 | Independent Tuning of the Band Gap and Redox Potential of Graphene Quantum Dots. Journal of Physical Chemistry Letters, 2011, 2, 1119-1124. | 4.6 | 189 |
| 11 | Colloidal Graphene Quantum Dots with Well-Defined Structures. Accounts of Chemical Research, 2013, 46, 2254-2262. | 15.6 | 181 |
| 12 | Hot Electron Injection from Graphene Quantum Dots to TiO<sub>2</sub>. ACS Nano, 2013, 7, 1388-1394. | 14.6 | 172 |
| 13 | Slow Hot-Carrier Relaxation in Colloidal Graphene Quantum Dots. Nano Letters, 2011, 11, 56-60. | 9.1 | 138 |
| 14 | A Torsional Strain Mechanism To Tune Pitch in Supramolecular Helices. Angewandte Chemie - International Edition, 2007, 46, 5873-5876. | 13.8 | 124 |
| 15 | Semiempirical Pseudopotential Calculation of Electronic States of CdSe Quantum Rods. Journal of Physical Chemistry B, 2002, 106, 2447-2452. | 2.6 | 107 |
| 16 | Well-Defined Nanographeneâ€“Rhenium Complex as an Efficient Electrocatalyst and Photocatalyst for Selective CO<sub>2</sub> Reduction. Journal of the American Chemical Society, 2017, 139, 3934-3937. | 13.7 | 95 |
| 17 | Alignment of Colloidal Graphene Quantum Dots on Polar Surfaces. Nano Letters, 2011, 11, 1524-1529. | 9.1 | 93 |
| 18 | A Model for the pH-Dependent Selectivity of the Oxygen Reduction Reaction Electrocatalyzed by N-Doped Graphitic Carbon. Journal of the American Chemical Society, 2016, 138, 13923-13929. | 13.7 | 88 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Formation and Stabilization of Palladium Nanoparticles on Colloidal Graphene Quantum Dots. Journal of the American Chemical Society, 2012, 134, 16095-16098. | 13.7 | 74 |
| 20 | Self-assembly of amphiphiles with terthiophene and tripeptide segments into helical nanostructures. Tetrahedron, 2008, 64, 8504-8514. | 1.9 | 69 |
| 21 | Electrocatalytic Oxygen Activation by Carbanion Intermediates of Nitrogen-Doped Graphitic Carbon. Journal of the American Chemical Society, 2014, 136, 3358-3361. | 13.7 | 68 |
| 22 | Solution-chemistry approach to graphene nanostructures. Journal of Materials Chemistry, 2011, 21, 3295. | 6.7 | 64 |
| 23 | Isotropic-liquid crystalline phase diagram of a CdSe nanorod solution. Journal of Chemical Physics, 2004, 120, 1149-1152. | 3.0 | 45 |
| 24 | Expanding Frontiers in Biomaterials. MRS Bulletin, 2005, 30, 864-873. | 3.5 | 41 |
| 25 | Supersymmetric Unitary Operator for Some Generalized Jaynesâ€“Cummings Models. Communications in Theoretical Physics, 1996, 25, 105-110. | 2.5 | 38 |
| 26 | Fluorescence Probes for Membrane Potentials Based on Mesoscopic Electron Transfer. Nano Letters, 2007, 7, 2981-2986. | 9.1 | 34 |
| 27 | Nanostructured Oligo(p-phenylene Vinylene)/Silicate Hybrid Films:Â One-Step Fabrication and Energy Transfer Studies. Journal of the American Chemical Society, 2006, 128, 5488-5495. | 13.7 | 33 |
| 28 | Surface Structure of CdSe Nanorods Revealed by Combined X-ray Absorption Fine Structure Measurements and ab Initio Calculations. Journal of Physical Chemistry C, 2007, 111, 75-79. | 3.1 | 22 |
| 29 | Understanding fundamental processes in carbon materials with well-defined colloidal graphene quantum dots. Current Opinion in Colloid and Interface Science, 2015, 20, 346-353. | 7.4 | 22 |
| 30 | Biexciton Auger Recombination in Colloidal Graphene Quantum Dots. Physical Review Letters, 2014, 113, 107401. | 7.8 | 19 |
| 31 | Biexciton Binding of Dirac fermions Confined in Colloidal Graphene Quantum Dots. Nano Letters, 2015, 15, 5472-5476. | 9.1 | 15 |
| 32 | Basal Plane Fluorination of Graphene by XeF<sub>2</sub> via a Radical Cation Mechanism. Journal of Physical Chemistry Letters, 2015, 6, 3645-3649. | 4.6 | 14 |
| 33 | Redox â€œInnocenceâ€• of Re(I) in Electrochemical CO2 Reduction Catalyzed by Nanographeneâ€“Re Complexes. Inorganic Chemistry, 2018, 57, 10548-10556. | 4.0 | 11 |
| 34 | Reductive defluorination of graphite monofluoride by weak, non-nucleophilic reductants reveals low-lying electron-accepting sites. Physical Chemistry Chemical Physics, 2018, 20, 14287-14290. | 2.8 | 9 |
| 35 | Dynamics for preassigned generalized squeezing. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 212, 188-194. | 2.1 | 8 |
| 36 | Aromatic Fragmentation Based on a Ring Overlap Scheme: An Algorithm for Large Polycyclic Aromatic Hydrocarbons Using the Molecules-in-Molecules Fragmentation-Based Method. Journal of Chemical Theory and Computation, 2020, 16, 2160-2171. | 5.3 | 7 |

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| 37 | Reply to â€œOn the Morse oscillator with a kinetic couplingâ€•by FernÃ¡ndez. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 229, 264-266. | 2.1 | 3 |
| 38 | Oxygen Activation by N-doped Graphitic Carbon Nanostructures. Materials Research Society Symposia Proceedings, 2015, 1725, 12. | 0.1 | 0 |