

Liang-Shi Li

List of Publications by Year in descending order

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38
papers

7,080
citations

212478

28
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355658

38
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39
all docs

39
docs citations

39
times ranked

10861
citing authors

#	ARTICLE	IF	CITATIONS
1	Linearly Polarized Emission from Colloidal Semiconductor Quantum Rods. <i>Science</i> , 2001, 292, 2060-2063.	6.0	1,136
2	Large, Solution-Processable Graphene Quantum Dots as Light Absorbers for Photovoltaics. <i>Nano Letters</i> , 2010, 10, 1869-1873.	4.5	837
3	Synthesis of Large, Stable Colloidal Graphene Quantum Dots with Tunable Size. <i>Journal of the American Chemical Society</i> , 2010, 132, 5944-5945.	6.6	720
4	Band Gap Variation of Size- and Shape-Controlled Colloidal CdSe Quantum Rods. <i>Nano Letters</i> , 2001, 1, 349-351.	4.5	593
5	Nitrogen-Doped Colloidal Graphene Quantum Dots and Their Size-Dependent Electrocatalytic Activity for the Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 18932-18935.	6.6	545
6	Epitaxial Growth and Photochemical Annealing of Graded CdS/ZnS Shells on Colloidal CdSe Nanorods. <i>Journal of the American Chemical Society</i> , 2002, 124, 7136-7145.	6.6	539
7	Colloidal Graphene Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2572-2576.	2.1	323
8	Semiconductor Nanorod Liquid Crystals. <i>Nano Letters</i> , 2002, 2, 557-560.	4.5	297
9	Triplet States and Electronic Relaxation in Photoexcited Graphene Quantum Dots. <i>Nano Letters</i> , 2010, 10, 2679-2682.	4.5	269
10	Independent Tuning of the Band Gap and Redox Potential of Graphene Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1119-1124.	2.1	189
11	Colloidal Graphene Quantum Dots with Well-Defined Structures. <i>Accounts of Chemical Research</i> , 2013, 46, 2254-2262.	7.6	181
12	Hot Electron Injection from Graphene Quantum Dots to TiO ₂ . <i>ACS Nano</i> , 2013, 7, 1388-1394.	7.3	172
13	Slow Hot-Carrier Relaxation in Colloidal Graphene Quantum Dots. <i>Nano Letters</i> , 2011, 11, 56-60.	4.5	138
14	A Torsional Strain Mechanism To Tune Pitch in Supramolecular Helices. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5873-5876.	7.2	124
15	Semiempirical Pseudopotential Calculation of Electronic States of CdSe Quantum Rods. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2447-2452.	1.2	107
16	Well-Defined Nanographene- μ -Rhenium Complex as an Efficient Electrocatalyst and Photocatalyst for Selective CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 3934-3937.	6.6	95
17	Alignment of Colloidal Graphene Quantum Dots on Polar Surfaces. <i>Nano Letters</i> , 2011, 11, 1524-1529.	4.5	93
18	A Model for the pH-Dependent Selectivity of the Oxygen Reduction Reaction Electrocatalyzed by N-Doped Graphitic Carbon. <i>Journal of the American Chemical Society</i> , 2016, 138, 13923-13929.	6.6	88

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19	Formation and Stabilization of Palladium Nanoparticles on Colloidal Graphene Quantum Dots. <i>Journal of the American Chemical Society</i> , 2012, 134, 16095-16098.	6.6	74
20	Self-assembly of amphiphiles with terthiophene and tripeptide segments into helical nanostructures. <i>Tetrahedron</i> , 2008, 64, 8504-8514.	1.0	69
21	Electrocatalytic Oxygen Activation by Carbanion Intermediates of Nitrogen-Doped Graphitic Carbon. <i>Journal of the American Chemical Society</i> , 2014, 136, 3358-3361.	6.6	68
22	Solution-chemistry approach to graphene nanostructures. <i>Journal of Materials Chemistry</i> , 2011, 21, 3295.	6.7	64
23	Isotropic-liquid crystalline phase diagram of a CdSe nanorod solution. <i>Journal of Chemical Physics</i> , 2004, 120, 1149-1152.	1.2	45
24	Expanding Frontiers in Biomaterials. <i>MRS Bulletin</i> , 2005, 30, 864-873.	1.7	41
25	Supersymmetric Unitary Operator for Some Generalized Jaynes-Cummings Models. <i>Communications in Theoretical Physics</i> , 1996, 25, 105-110.	1.1	38
26	Fluorescence Probes for Membrane Potentials Based on Mesoscopic Electron Transfer. <i>Nano Letters</i> , 2007, 7, 2981-2986.	4.5	34
27	Nanostructured Oligo(p-phenylene Vinylene)/Silicate Hybrid Films: One-Step Fabrication and Energy Transfer Studies. <i>Journal of the American Chemical Society</i> , 2006, 128, 5488-5495.	6.6	33
28	Surface Structure of CdSe Nanorods Revealed by Combined X-ray Absorption Fine Structure Measurements and ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2007, 111, 75-79.	1.5	22
29	Understanding fundamental processes in carbon materials with well-defined colloidal graphene quantum dots. <i>Current Opinion in Colloid and Interface Science</i> , 2015, 20, 346-353.	3.4	22
30	Biexciton Auger Recombination in Colloidal Graphene Quantum Dots. <i>Physical Review Letters</i> , 2014, 113, 107401.	2.9	19
31	Biexciton Binding of Dirac fermions Confined in Colloidal Graphene Quantum Dots. <i>Nano Letters</i> , 2015, 15, 5472-5476.	4.5	15
32	Basal Plane Fluorination of Graphene by XeF ₂ via a Radical Cation Mechanism. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3645-3649.	2.1	14
33	Redox Innocence of Re(I) in Electrochemical CO ₂ Reduction Catalyzed by Nanographene-Re Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 10548-10556.	1.9	11
34	Reductive defluorination of graphite monofluoride by weak, non-nucleophilic reductants reveals low-lying electron-accepting sites. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14287-14290.	1.3	9
35	Dynamics for preassigned generalized squeezing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 212, 188-194.	0.9	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. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 2160-2171.	2.3	7

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37	Reply to "On the Morse oscillator with a kinetic coupling" by Fernández. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 229, 264-266.	0.9	3
38	Oxygen Activation by N-doped Graphitic Carbon Nanostructures. Materials Research Society Symposia Proceedings, 2015, 1725, 12.	0.1	0