Liang-Shi Li

List of Publications by Year
in descending order

38 papers	7,080 citations	212478 28 h-index	355658 38 g-index
39 all docs	39 docs citations	39 times ranked	10861 citing authors

#	Article	IF	Citations
1	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.	2.3	7
2	Reductive defluorination of graphite monofluoride by weak, non-nucleophilic reductants reveals low-lying electron-accepting sites. Physical Chemistry Chemical Physics, 2018, 20, 14287-14290.	1.3	9
3	Redox â€œInnocenceâ€• of Re(I) in Electrochemical CO2 Reduction Catalyzed by Nanographeneâ€“Re Complexes. Inorganic Chemistry, 2018, 57, 10548-10556.	1.9	11
4	Well-Defined Nanographeneâ€“Rhenium Complex as an Efficient Electrocatalyst and Photocatalyst for Selective CO₂ Reduction. Journal of the American Chemical Society, 2017, 139, 3934-3937.	6.6	95
5	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.	6.6	88
6	Understanding fundamental processes in carbon materials with well-defined colloidal graphene quantum dots. Current Opinion in Colloid and Interface Science, 2015, 20, 346-353.	3.4	22
7	Biexciton Binding of Dirac fermions Confined in Colloidal Graphene Quantum Dots. Nano Letters, 2015, 15, 5472-5476.	4.5	15
8	Oxygen Activation by N-doped Graphitic Carbon Nanostructures. Materials Research Society Symposia Proceedings, 2015, 1725, 12.	0.1	0
9	Basal Plane Fluorination of Graphene by XeF₂ via a Radical Cation Mechanism. Journal of Physical Chemistry Letters, 2015, 6, 3645-3649.	2.1	14
10	Biexciton Auger Recombination in Colloidal Graphene Quantum Dots. Physical Review Letters, 2014, 113, 107401.	2.9	19
11	Electrocatalytic Oxygen Activation by Carbanion Intermediates of Nitrogen-Doped Graphitic Carbon. Journal of the American Chemical Society, 2014, 136, 3358-3361.	6.6	68
12	Colloidal Graphene Quantum Dots with Well-Defined Structures. Accounts of Chemical Research, 2013, 46, 2254-2262.	7.6	181
13	Hot Electron Injection from Graphene Quantum Dots to TiO₂. ACS Nano, 2013, 7, 1388-1394.	7.3	172
14	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.	6.6	545
15	Formation and Stabilization of Palladium Nanoparticles on Colloidal Graphene Quantum Dots. Journal of the American Chemical Society, 2012, 134, 16095-16098.	6.6	74
16	Slow Hot-Carrier Relaxation in Colloidal Graphene Quantum Dots. Nano Letters, 2011, 11, 56-60.	4.5	138
17	Independent Tuning of the Band Gap and Redox Potential of Graphene Quantum Dots. Journal of Physical Chemistry Letters, 2011, 2, 1119-1124.	2.1	189
18	Alignment of Colloidal Graphene Quantum Dots on Polar Surfaces. Nano Letters, 2011, 11, 1524-1529.	4.5	93

#	Article	IF	Citations
19	Solution-chemistry approach to graphene nanostructures. Journal of Materials Chemistry, 2011, 21, 3295.	6.7	64
20	Triplet States and Electronic Relaxation in Photoexcited Graphene Quantum Dots. Nano Letters, 2010, 10, 2679-2682.	4.5	269
21	Synthesis of Large, Stable Colloidal Graphene Quantum Dots with Tunable Size. Journal of the American Chemical Society, 2010, 132, 5944-5945.	6.6	720
22	Large, Solution-Processable Graphene Quantum Dots as Light Absorbers for Photovoltaics. Nano Letters, 2010, 10, 1869-1873.	4.5	837
23	Colloidal Graphene Quantum Dots. Journal of Physical Chemistry Letters, 2010, 1, 2572-2576.	2.1	323
24	Self-assembly of amphiphiles with terthiophene and tripeptide segments into helical nanostructures. Tetrahedron, 2008, 64, 8504-8514.	1.0	69
25	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.	1.5	22
26	Fluorescence Probes for Membrane Potentials Based on Mesoscopic Electron Transfer. Nano Letters, 2007, 7, 2981-2986.	4.5	34
27	A Torsional Strain Mechanism To Tune Pitch in Supramolecular Helices. Angewandte Chemie - International Edition, 2007, 46, 5873-5876.	7.2	124
28	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.	6.6	33
29	Expanding Frontiers in Biomaterials. MRS Bulletin, 2005, 30, 864-873.	1.7	41
30	Isotropic-liquid crystalline phase diagram of a CdSe nanorod solution. Journal of Chemical Physics, 2004, 120, 1149-1152.	1.2	45
31	Semiempirical Pseudopotential Calculation of Electronic States of CdSe Quantum Rods. Journal of Physical Chemistry B, 2002, 106, 2447-2452.	1.2	107
32	Epitaxial Growth and Photochemical Annealing of Graded CdS/ZnS Shells on Colloidal CdSe Nanorods. Journal of the American Chemical Society, 2002, 124, 7136-7145.	6.6	539
33	Semiconductor Nanorod Liquid Crystals. Nano Letters, 2002, 2, 557-560.	4.5	297
34	Linearly Polarized Emission from Colloidal Semiconductor Quantum Rods. Science, 2001, 292, 2060-2063.	6.0	1,136
35	Band Gap Variation of Size- and Shape-Controlled Colloidal CdSe Quantum Rods. Nano Letters, 2001, 1, 349-351.	4.5	593
36	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.	0.9	3

#	ARTICLE	IF	CITATIONS
37	Dynamics for preassigned generalized squeezing. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 212, 188-194.	0.9	8
38	Supersymmetric Unitary Operator for Some Generalized Jaynesâ€“Cummings Models. Communications in Theoretical Physics, 1996, 25, 105-110.	1.1	38