Chunliang Li

List of Publications by Year in Descending Order

48 papers	858 citations	17 h-index	28 g-index
50 ext. papers	969 ext. citations	4.9 avg, IF	4.12 L-index

#	Paper	IF	Citations
48	Regulate the lattice oxygen activity and structural stability of lithium-rich layered oxides by integrated strategies. *Chemical Engineering Journal*, **2022**, 439, 135677	14.7	0
47	Improved interfacial chemistry and enhanced high voltage-resistance capability of an in situ polymerized electrolyte for LiNi0.8Co0.15Al0.05O2 i batteries. *Journal of Materials Chemistry A*, **2021**, 9, 3597-3604	13	3
46	Improved photostability of silica bead impregnated with CdSe-based quantum dots prepared through proper surface silanization. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 600, 124811	5.1	2
45	Enhanced electrochemical performances of LiCoO2 cathode for all-solid-state lithium batteries by regulating crystallinity and composition of coating layer. *Journal of Power Sources*, **2020**, 468, 228372	8.9	15
44	Influence of core and shell components on the Ni-rich layered oxides with core shell and dual-shell structures. *Chemical Engineering Journal*, **2020**, 400, 125821	14.7	11
43	Outstanding electrochemical performances of the all-solid-state lithium battery using Ni-rich layered oxide cathode and sulfide electrolyte. *Journal of Power Sources*, **2020**, 456, 227997	8.9	29
42	Promoting the Electrochemical Performance of Li-Rich Layered Li1.2(Ni1/6Co1/6Mn4/6)0.8O2 with the In Situ Transformed Allogenic Spinel Phase. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 2215-2225	8.3	9
41	In/ex-situ Raman spectra combined with EIS for observing interface reactions between Ni-rich layered oxide cathode and sulfide electrolyte. *Journal of Energy Chemistry*, **2020**, 48, 195-202	12	19
40	Resynthesizing LiFePO4/C materials from the recycled cathode via a green full-solid route. *Journal of Alloys and Compounds*, **2020**, 818, 153292	5.7	26
39	Influences of surface Al concentration on the structure and electrochemical performance of core-shell LiNi0.8Co0.15Al0.05O2 cathode material. *Electrochimica Acta*, **2020**, 337, 135769	6.7	9
38	Nanoarchitectonics of Photoluminescent InP/ZnS Quantum Dots Encapsulated Silica Capsules in Physiological Solutions. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 2722-2727	1.3	0
37	Enhancing the electrochemical performances of Li7P3S11 electrolyte through P2O5 substitution for all-solid-state lithium battery. *Solid State Ionics*, **2020**, 358, 115506	3.3	7
36	Development of Bright Phosphors Using Glasses Incorporating Semiconductor Nanoparticles **2018**, 597-600		
35	Preparation and biomedical applications of bright robust silica nanocapsules with multiple incorporated InP/ZnS quantum dots. *New Journal of Chemistry*, **2018**, 42, 18951-18960	3.6	7
34	Highly Luminescent Glass Films Incorporating Hydrophobic Quantum Dots Prepared by Layer-by-layer Self-assembly Method. *Chemistry Letters*, **2016**, 45, 10-12	1.7	2
33	Synthesis of Highly Luminescent CdSe/ZnCdS Quantum Dots with Deep-Red Emissions. *Materials Science Forum*, **2016**, 848, 466-471	0.4	
32	Facile Method of Preparing Highly Luminescent Silica Gel Glass Incorporating Hydrophobic Semiconductor Quantum Dots. *Chemistry Letters*, **2015**, 44, 1434-1436	1.7	1

31	Formation mechanism of highly luminescent silica capsules incorporating multiple hydrophobic quantum dots with various emission wavelengths. *Journal of Colloid and Interface Science*, **2013**, 411, 82-91	9.3	11
30	Silica encapsulation of highly luminescent hydrophobic quantum dots by two-step microemulsion method. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 395, 24-31	5.1	27
29	Development of bright phosphors using glasses incorporating semiconductor nanoparticles **2012**, 558-561		
28	Aqueous Preparation of Highly Luminescent CdSe/ZnS Nanocrystals through Photochemical Processing. *Chemistry Letters*, **2011**, 40, 258-260	1.7	3
27	Highly Luminescent Water-Soluble InP/ZnS Nanocrystals Prepared via Reactive Phase Transfer and Photochemical Processing. *Journal of Physical Chemistry C*, **2008**, 112, 20190-20199	3.8	51
26	Facile Preparation of Highly Luminescent InP Nanocrystals by a Solvothermal Route. *Chemistry Letters*, **2008**, 37, 856-857	1.7	13
25	Synthesis of Cd-free water-soluble ZnSe(1-x)Te(x) nanocrystals with high luminescence in the blue region. *Journal of Colloid and Interface Science*, **2008**, 321, 468-76	9.3	35
24	Consistent determination of photoluminescence quantum efficiency for phosphors in the form of solution, plate, thin film, and powder. *Journal of Luminescence*, **2008**, 128, 1896-1903	3.8	53
23	Blue-emitting small silica particles incorporating ZnSe-based nanocrystals prepared by reverse micelle method. *Journal of Biomedicine and Biotechnology*, **2007**, 2007, 52971		4
22	Highly luminescent water-soluble ZnSe nanocrystals and their incorporation in a glass matrix. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2007**, 294, 33-39	5.1	27
21	Comparison of Brightness of Emitting Semiconductor Nanocrystals with That of Rare-Earth Phosphor. *Japanese Journal of Applied Physics*, **2007**, 46, 7545-7548	1.4	2
20	Blue-emitting Type-II Semiconductor Nanocrystals with High Efficiency Prepared by Aqueous Method. *Chemistry Letters*, **2007**, 36, 438-439	1.7	10
19	Quantitative analysis of the photodegradation of emitting CdTe nanocrystals dispersed in glass films. *Journal of Physical Chemistry B*, **2005**, 109, 17855-60	3.4	17
18	Highly photoluminescent multilayer QD-glass films prepared by LbL self-assembly. *Langmuir*, **2005**, 21, 8913-7	4	67
17	Surfactant-dependent Photoluminescence of CdTe Nanocrystals in Aqueous Solution. *Chemistry Letters*, **2005**, 34, 92-93	1.7	90
16	Synthesis of Highly Photoluminescent CdTe Nanocrystals and Their Incorporation into Glass Matrices. *Materials Research Society Symposia Proceedings*, **2004**, 829, 263		
15	Synthesis of highly luminescent glasses incorporating cdte nanocrystals through sol-gel processing. *Langmuir*, **2004**, 20, 1-4	4	88
14	Preparation and characterization of glass embedding photoluminescent CdTe nanocrystals. *Journal of Non-Crystalline Solids*, **2004**, 342, 32-38	3.9	26

13	Encapsulation of CdTe semiconductor nanocrystals in glass matrix by a sol-gel process **2004**, 5361, 150		
12	Formation of Luminescent CdTe□Silica Nanoparticles through an Inverse Microemulsion Technique. *Chemistry Letters*, **2004**, 33, 434-435	1.7	45
11	Anomalous Surface Deformation of Sapphire Clarified by 3D-FEM Simulation of the Nanoindentation. *JSME International Journal Series A-Solid Mechanics and Material Engineering*, **2003**, 46, 265-271		6
10	Fabrication of highly luminescent glass incorporating CdTe nanocrystals by using silane coupling agents. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2003**, 1250-1253		7
9	Photoluminescence Properties and Zeta Potential of Water-Dispersible CdTe Nanocrystals. *Materials Research Society Symposia Proceedings*, **2003**, 789, 322		
8	Phase transformation, microstructure and mechanical properties of Si3N4/SiC composite. *Journal of the European Ceramic Society*, **2001**, 21, 2179-2183	6	26
7	Mechanical properties and residual stress in AlN films prepared by ion beam assisted deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2000**, 18, 1567-1570	2.9	13
6	Nano-indentation of ion-beam modified HfN/Si system: Identification of the amorphized inter-layer. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 148, 110-115	1.2	8
5	Effect of nitrogen ion-implantation on the tribological properties and hardness of TiN films. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1998**, 253, 319-327	5.3	21
4	Low-load indentation behavior of HfN thin films deposited by reactive rf sputtering. *Journal of Materials Research*, **1997**, 12, 64-69	2.5	11
3	Post-deposition reduction of internal stress in thin films: The case of HfN coatings bombarded with Au ions. *Materials Letters*, **1997**, 33, 31-36	3.3	8
2	Evaluation of HfN thin films considered as diffusion barriers in the Al/HfN/Si system. *Thin Solid Films*, **1997**, 305, 297-303	2.2	19
1	Surface deformation and electrical properties of HfN thin films deposited by reactive sputtering. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1995**, 202, 226-237	5.3	30