

Chunliang Li

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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	Surfactant-dependent Photoluminescence of CdTe Nanocrystals in Aqueous Solution. <i>Chemistry Letters</i> , 2005 , 34, 92-93	1.7	90
47	Synthesis of highly luminescent glasses incorporating cdte nanocrystals through sol-gel processing. <i>Langmuir</i> , 2004 , 20, 1-4	4	88
46	Highly photoluminescent multilayer QD-glass films prepared by LbL self-assembly. <i>Langmuir</i> , 2005 , 21, 8913-7	4	67
45	Consistent determination of photoluminescence quantum efficiency for phosphors in the form of solution, plate, thin film, and powder. <i>Journal of Luminescence</i> , 2008 , 128, 1896-1903	3.8	53
44	Highly Luminescent Water-Soluble InP/ZnS Nanocrystals Prepared via Reactive Phase Transfer and Photochemical Processing. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20190-20199	3.8	51
43	Formation of Luminescent CdTe/Silica Nanoparticles through an Inverse Microemulsion Technique. <i>Chemistry Letters</i> , 2004 , 33, 434-435	1.7	45
42	Synthesis of Cd-free water-soluble ZnSe(1-x)Te(x) nanocrystals with high luminescence in the blue region. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 468-76	9.3	35
41	Surface deformation and electrical properties of HfN thin films deposited by reactive sputtering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995 , 202, 226-237	5.3	30
40	Outstanding electrochemical performances of the all-solid-state lithium battery using Ni-rich layered oxide cathode and sulfide electrolyte. <i>Journal of Power Sources</i> , 2020 , 456, 227997	8.9	29
39	Silica encapsulation of highly luminescent hydrophobic quantum dots by two-step microemulsion method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 395, 24-31	5.1	27
38	Highly luminescent water-soluble ZnSe nanocrystals and their incorporation in a glass matrix. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 294, 33-39	5.1	27
37	Preparation and characterization of glass embedding photoluminescent CdTe nanocrystals. <i>Journal of Non-Crystalline Solids</i> , 2004 , 342, 32-38	3.9	26
36	Phase transformation, microstructure and mechanical properties of Si ₃ N ₄ /SiC composite. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2179-2183	6	26
35	Resynthesizing LiFePO ₄ /C materials from the recycled cathode via a green full-solid route. <i>Journal of Alloys and Compounds</i> , 2020 , 818, 153292	5.7	26
34	Effect of nitrogen ion-implantation on the tribological properties and hardness of TiN films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 253, 319-327	5.3	21
33	In/ex-situ Raman spectra combined with EIS for observing interface reactions between Ni-rich layered oxide cathode and sulfide electrolyte. <i>Journal of Energy Chemistry</i> , 2020 , 48, 195-202	12	19
32	Evaluation of HfN thin films considered as diffusion barriers in the Al/HfN/Si system. <i>Thin Solid Films</i> , 1997 , 305, 297-303	2.2	19

31	Quantitative analysis of the photodegradation of emitting CdTe nanocrystals dispersed in glass films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17855-60	3.4	17
30	Enhanced electrochemical performances of LiCoO ₂ cathode for all-solid-state lithium batteries by regulating crystallinity and composition of coating layer. <i>Journal of Power Sources</i> , 2020 , 468, 228372	8.9	15
29	Facile Preparation of Highly Luminescent InP Nanocrystals by a Solvothermal Route. <i>Chemistry Letters</i> , 2008 , 37, 856-857	1.7	13
28	Mechanical properties and residual stress in AlN films prepared by ion beam assisted deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000 , 18, 1567-1570	2.9	13
27	Influence of core and shell components on the Ni-rich layered oxides with core-shell and dual-shell structures. <i>Chemical Engineering Journal</i> , 2020 , 400, 125821	14.7	11
26	Formation mechanism of highly luminescent silica capsules incorporating multiple hydrophobic quantum dots with various emission wavelengths. <i>Journal of Colloid and Interface Science</i> , 2013 , 411, 82-91	9.3	11
25	Low-load indentation behavior of HfN thin films deposited by reactive rf sputtering. <i>Journal of Materials Research</i> , 1997 , 12, 64-69	2.5	11
24	Blue-emitting Type-II Semiconductor Nanocrystals with High Efficiency Prepared by Aqueous Method. <i>Chemistry Letters</i> , 2007 , 36, 438-439	1.7	10
23	Promoting the Electrochemical Performance of Li-Rich Layered Li _{1.2} (Ni _{1/6} Co _{1/6} Mn _{4/6})O ₂ with the In Situ Transformed Allogenic Spinel Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2215-2225	8.3	9
22	Influences of surface Al concentration on the structure and electrochemical performance of core-shell LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material. <i>Electrochimica Acta</i> , 2020 , 337, 135769	6.7	9
21	Post-deposition reduction of internal stress in thin films: The case of HfN coatings bombarded with Au ions. <i>Materials Letters</i> , 1997 , 33, 31-36	3.3	8
20	Nano-indentation of ion-beam modified HfN/Si system: Identification of the amorphized inter-layer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 148, 110-115	1.2	8
19	Fabrication of highly luminescent glass incorporating CdTe nanocrystals by using silane coupling agents. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003 , 1250-1253		7
18	Enhancing the electrochemical performances of Li ₇ P ₃ S ₁₁ electrolyte through P ₂ O ₅ substitution for all-solid-state lithium battery. <i>Solid State Ionics</i> , 2020 , 358, 115506	3.3	7
17	Preparation and biomedical applications of bright robust silica nanocapsules with multiple incorporated InP/ZnS quantum dots. <i>New Journal of Chemistry</i> , 2018 , 42, 18951-18960	3.6	7
16	Anomalous Surface Deformation of Sapphire Clarified by 3D-FEM Simulation of the Nanoindentation. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , 2003 , 46, 265-271		6
15	Blue-emitting small silica particles incorporating ZnSe-based nanocrystals prepared by reverse micelle method. <i>Journal of Biomedicine and Biotechnology</i> , 2007 , 2007, 52971		4
14	Aqueous Preparation of Highly Luminescent CdSe/ZnS Nanocrystals through Photochemical Processing. <i>Chemistry Letters</i> , 2011 , 40, 258-260	1.7	3

13	Improved interfacial chemistry and enhanced high voltage-resistance capability of an in situ polymerized electrolyte for LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 3597-3604	13	3
12	Improved photostability of silica bead impregnated with CdSe-based quantum dots prepared through proper surface silanization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 600, 124811	5.1	2
11	Highly Luminescent Glass Films Incorporating Hydrophobic Quantum Dots Prepared by Layer-by-layer Self-assembly Method. <i>Chemistry Letters</i> , 2016 , 45, 10-12	1.7	2
10	Comparison of Brightness of Emitting Semiconductor Nanocrystals with That of Rare-Earth Phosphor. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 7545-7548	1.4	2
9	Facile Method of Preparing Highly Luminescent Silica Gel Glass Incorporating Hydrophobic Semiconductor Quantum Dots. <i>Chemistry Letters</i> , 2015 , 44, 1434-1436	1.7	1
8	Nanoarchitectonics of Photoluminescent InP/ZnS Quantum Dots Encapsulated Silica Capsules in Physiological Solutions. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2722-2727	1.3	0
7	Regulate the lattice oxygen activity and structural stability of lithium-rich layered oxides by integrated strategies. <i>Chemical Engineering Journal</i> , 2022 , 439, 135677	14.7	0
6	Development of Bright Phosphors Using Glasses Incorporating Semiconductor Nanoparticles 2018 , 597-600		
5	Synthesis of Highly Photoluminescent CdTe Nanocrystals and Their Incorporation into Glass Matrices. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 829, 263		
4	Photoluminescence Properties and Zeta Potential of Water-Dispersible CdTe Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 789, 322		
3	Encapsulation of CdTe semiconductor nanocrystals in glass matrix by a sol-gel process 2004 , 5361, 150		
2	Development of bright phosphors using glasses incorporating semiconductor nanoparticles 2012 , 558-561		
1	Synthesis of Highly Luminescent CdSe/ZnCdS Quantum Dots with Deep-Red Emissions. <i>Materials Science Forum</i> , 2016 , 848, 466-471	0.4	