

Jixian Liu

List of Publications by Year in descending order

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61
papers

1,084
citations

430754

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434063

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61
docs citations

61
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in synthetic methods and applications of silver nanostructures. <i>Nanoscale Research Letters</i> , 2018, 13, 54.	3.1	100
2	Synthesis, modification and application of titanium dioxide nanoparticles: a review. <i>Nanoscale</i> , 2022, 14, 6709-6734.	2.8	79
3	Controllable electrochemical/electroanalytical approach to generate nitrogen-doped carbon quantum dots from varied amino acids: pinpointing the utmost quantum yield and the versatile photoluminescent and electrochemiluminescent applications. <i>Electrochimica Acta</i> , 2017, 236, 239-251.	2.6	62
4	Facile preparation, characterization and performance of noncovalently functionalized graphene/epoxy nanocomposites with poly(sodium 4-styrenesulfonate). <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 68, 1-9.	3.8	61
5	Synthesis and Functions of Ag ₂ S Nanostructures. <i>Nanoscale Research Letters</i> , 2015, 10, 431.	3.1	50
6	Classification, Synthesis, and Application of Luminescent Silica Nanoparticles: a Review. <i>Nanoscale Research Letters</i> , 2019, 14, 190.	3.1	49
7	Enhanced efficiency of polymer solar cells by incorporated Ag@SiO ₂ core-shell nanoparticles in the active layer. <i>RSC Advances</i> , 2014, 4, 4379-4386.	1.7	45
8	Recent progress in synthetic methods and applications in solar cells of Ag ₂ S quantum dots. <i>Materials Research Bulletin</i> , 2018, 106, 113-123.	2.7	45
9	Recent advances in synthetic methods and applications of Ag ₂ S-based heterostructure photocatalysts. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3988-4003.	2.7	42
10	Synthesis of graphene oxide/rare-earth complex hybrid luminescent materials via π - π stacking and their pH-dependent luminescence. <i>Journal of Alloys and Compounds</i> , 2016, 687, 95-103.	2.8	39
11	The progress of non-fullerene small molecular acceptors for high efficiency polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 190, 83-97.	3.0	28
12	Effects of Modified Graphene Oxide on Thermal and Crystallization Properties of PET. <i>Polymers</i> , 2018, 10, 613.	2.0	27
13	Effect of photocurrent enhancement in porphyrin-graphene covalent hybrids. <i>Materials Science and Engineering C</i> , 2014, 34, 186-192.	3.8	25
14	Eu ³⁺ -induced aggregates of diblock copolymers and their photoluminescent property. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 630-638.	5.0	23
15	Strong Enhancement of Photoelectric Conversion Efficiency of Co-hybridized Polymer Solar Cell by Silver Nanoplates and Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5358-5365.	4.0	22
16	Graphene/silver nanocomposites stabilize Mg-Ni-La electrode alloys and enhance electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2017, 694, 1140-1148.	2.8	22
17	NaYbF ₄ :Tb/Eu modified with organic antenna for improving performance of polymer solar cells. <i>Electrochimica Acta</i> , 2018, 260, 959-964.	2.6	22
18	Preparation of Hybrid Nanoparticle Nucleating Agents and Their Effects on the Crystallization Behavior of Poly(ethylene terephthalate). <i>Materials</i> , 2018, 11, 587.	1.3	21

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19	Leveling graphene sheets through electrospinning and their conductivity. RSC Advances, 2015, 5, 42174-42177.	1.7	20
20	Smart sensing of Cu ²⁺ in living cells by water-soluble and nontoxic Tb ³⁺ /Eu ³⁺ -induced aggregates of polysaccharides through fluorescence imaging. Journal of Materials Chemistry C, 2020, 8, 8171-8182.	2.7	19
21	Enhanced efficiency of polymer solar cells by structure-differentiated silver nano-dopants in solution-processed tungsten oxide layer. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 206, 61-68.	1.7	17
22	Effects of microstructure on the electrode properties of melt-spun Mg-based amorphous alloys. Journal of Alloys and Compounds, 2009, 485, 186-191.	2.8	16
23	Electrode properties and the dehydrogenation process of amorphous Mg-Ni-La alloys. Journal of Power Sources, 2014, 249, 35-41.	4.0	16
24	Enhanced emission of nanoSiO ₂ -carried Eu ³⁺ complexes and highly luminescent hybrid nanofibers. Optical Materials, 2013, 35, 1395-1403.	1.7	15
25	Fabrication and luminescence of KGdF ₄ :Yb ³⁺ /Er ³⁺ nanoplates and their improving performance for polymer solar cells. Science Bulletin, 2018, 63, 216-218.	4.3	15
26	Effect of ligand-antenna integration (ALI) in macromolecular structures on fluorescent property of processable macromolecule-lanthanide complexes. Optical Materials, 2007, 29, 1774-1781.	1.7	14
27	RAFT Controlled Synthesis of Biodegradable Polymer Brushes on Graphene for DNA Binding and Release. Macromolecular Chemistry and Physics, 2013, 214, 2266-2275.	1.1	14
28	Effective regulation of the micro-structure of thick P3HT:PC ₇₁ BM film by the incorporation of ethyl benzenecarboxylate in toluene solution. RSC Advances, 2015, 5, 47451-47457.	1.7	14
29	Facile synthesis of silver sulfide quantum dots by one pot reverse microemulsion under ambient temperature. Materials Letters, 2019, 242, 143-146.	1.3	14
30	Fluorescent nanoblocks of lanthanide complexes on nano silicon dioxide and carbon nanotube donors with ligand-antenna integration (ALI) structure. Materials Science and Engineering C, 2009, 29, 85-91.	3.8	13
31	A new graphene nanocomposite to improve the electrochemical properties of magnesium-based amorphous alloy. Materials Letters, 2015, 160, 104-108.	1.3	13
32	Synthesis of photocatalytic hematite nanotube array using a template-free solvothermal approach. RSC Advances, 2015, 5, 60920-60925.	1.7	11
33	Ln ³⁺ -enhanced blue fluorescence from novel excimer of 1,8-naphthalimide-conjugated PAMAM. Optical Materials, 2010, 32, 1417-1422.	1.7	10
34	Preparation of Ag@SiO ₂ Dispersion in Different Solvents and Investigation of its Optical Properties. Journal of Dispersion Science and Technology, 2011, 32, 532-537.	1.3	10
35	Fluorescent SiO ₂ @Tb ³⁺ (PET-TEG) ₃ Phen Hybrids as Nucleating Additive for Enhancement of Crystallinity of PET. Polymers, 2020, 12, 568.	2.0	10
36	Synthesis and tunable photoresponse for core-shell structured NaGdF ₄ :Yb,Er@SiO ₂ @Eu(TTA) ₃ Phen nanocomplexes. Scripta Materialia, 2018, 152, 1-5.	2.6	9

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37	Emerging Applications of Silica Nanoparticles as Multifunctional Modifiers for High Performance Polyester Composites. <i>Nanomaterials</i> , 2021, 11, 2810.	1.9	8
38	Facile synthesis, formation mechanism and tunable upconversion luminescence of nanocrystals co-doped by Yb 3+ /Tm 3+. <i>Materials Research Bulletin</i> , 2017, 87, 48-53.	2.7	7
39	Enhanced Thermal Conductivity and Thermal Performance of Polyethylene Glycol (PEG)/Modified SiO ₂ Composite Phase Change Material. <i>Science of Advanced Materials</i> , 2018, 10, 309-314.	0.1	7
40	Highly Efficient Photoinduced Electron Transfer in a Novel Tetrakis(tetraphenylporphyrinatozinc)/Perylenetetra-carboxydiimide Array and Its Application to a Photovoltaic Device. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 427-436.	2.0	6
41	Fluorescent polymeric aggregates induced by Eu ³⁺ ions and their surface morphologies. <i>Optical Materials</i> , 2015, 46, 28-33.	1.7	5
42	Enhancing the Power Conversion Efficiency for Polymer Solar Cells by Incorporating Luminescent Nanosolid Micelles as Light Converter. <i>ACS Applied Energy Materials</i> , 2018, 1, 1445-1454.	2.5	5
43	Synthesis and photoinduced electron transfer characteristic of a bis (zinc porphyrin)â€perylene bisimide array. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1101-1109.	0.9	4
44	Effective Exfoliation of Expanded Graphite in Rigid Poly(methyl methacrylate) and Its Dispersion and Enhancement in Poly(vinylidene fluoride). <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10021-10028.	0.9	4
45	The addition of GO-SiO ₂ to synthesis polyethylene terephthalate composite with enhanced crystalline and mechanical properties. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1746-1753.	2.6	4
46	A Nano-Silver Enhancement Effect on the Luminescence of a Ligandâ€Eu ³⁺ Complex via a SiO ₂ Spacer. <i>Australian Journal of Chemistry</i> , 2014, 67, 644.	0.5	3
47	Silverâ€Alkylamine Complex Mediated Single Micelle toward Synthesis of Subâ€8 nm Silver Nanocrystals. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000161.	1.2	3
48	Crystallization of Poly(ethylene terephthalate) via Silica Nanoparticles Tethered with Short Diblock PEG-PET Copolymers. <i>Science of Advanced Materials</i> , 2016, 8, 1603-1611.	0.1	3
49	MnO ₂ Nano-Urchin/Graphene Hybrid Electrodes: Facile Synthesis and Enhanced Supercapacitance Performance. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9892-9898.	0.9	2
50	Morphology and Luminescent Properties of Solid Micelles based on Europium(III) Complexes with Diblock Copolymers of Methyl Methacrylate and Acrylic Acid. <i>Ferroelectrics</i> , 2015, 486, 91-105.	0.3	2
51	The Improved Efficiency of Polymer Solar Cells by Fluorine Atoms at Ortho-Position of Alkxyphenyl Group in Benzodithiophene (BDT) Units. <i>International Journal of Electrochemical Science</i> , 2017, , 6676-6693.	0.5	2
52	Reversible phase-transfer mediated single reverse micelle towards synthesis of silver nanocrystals. <i>Science China Technological Sciences</i> , 2020, 63, 1863-1867.	2.0	2
53	Preparation of QDs@SiO ₂ -PEG-LMPET and its influence on crystallization and luminescence of polyethylene terephthalate. <i>Nanotechnology</i> , 2021, 32, 225706.	1.3	2
54	Electric-field-actuation of in situ composites that contain silver-coated carbon fibers in sodium sulfonate ionomers. <i>RSC Advances</i> , 2012, 2, 8813.	1.7	1

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55	Microporous network-assisted formation of copper-polymer gradient composite film. Journal of Applied Polymer Science, 2012, 126, 706-712.	1.3	1
56	SYNTHESIS AND PROPERTIES OF PHENYLPROPIOLIC ACID OLIGOMERS. Acta Polymerica Sinica, 2010, 010, 45-50.	0.0	1
57	Embedding copper nanoparticle-anchored conductive nano-blocks in polyelectrolyte. Particuology, 2013, 11, 748-752.	2.0	0
58	Effect of water-absorbing nanospheres on antistatic property of isotactic polypropylene fibers. Journal of Applied Polymer Science, 2014, 131, .	1.3	0
59	Effects of Graphene/Silver Nanocomposite on the Microstructure of Amorphous Mg-based Hydride. International Journal of Electrochemical Science, 2016, , 10379-10390.	0.5	0
60	Smart PTFE Membrane with Hydrophilicity and pH Sensitivity through MAA-grafting. Polymer-Plastics Technology and Materials, 2019, 58, 47-54.	0.6	0
61	Study on Preparation and Properties of Poly(ethylene glycol)-Modified Nano-SiO ₂ . Journal of Scientific Conference Proceedings, 2009, 1, 268-271.	0.1	0