

Changli LÃ¼

List of Publications by Year in descending order

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101
papers

3,658
citations

159585

30
h-index

144013

57
g-index

102
all docs

102
docs citations

102
times ranked

4714
citing authors

#	ARTICLE	IF	CITATIONS
1	High refractive index organic-inorganic nanocomposites: design, synthesis and application. Journal of Materials Chemistry, 2009, 19, 2884.	6.7	344
2	N-Doped Carbon-Coated Ni _{1.8} Co _{1.2} Se ₄ Nanoaggregates Encapsulated in N-Doped Carbon Nanoboxes as Advanced Anode with Outstanding High-Rate and Low-Temperature Performance for Sodium-Ion Half/Full Batteries. Advanced Functional Materials, 2018, 28, 1805444.	14.9	228
3	An Ultralong Lifespan and Low-Temperature Workable Sodium-Ion Full Battery for Stationary Energy Storage. Advanced Energy Materials, 2018, 8, 1703252.	19.5	206
4	Preparation and characterization of ZnS-polymer nanocomposite films with high refractive index. Journal of Materials Chemistry, 2003, 13, 2189-2195.	6.7	163
5	Enhanced performance of the sulfonated polyimide proton exchange membranes by graphene oxide: Size effect of graphene oxide. Journal of Membrane Science, 2014, 458, 36-46.	8.2	144
6	High refractive index thin films of ZnS/polythiourethane nanocomposites. Journal of Materials Chemistry, 2003, 13, 526-530.	6.7	142
7	Research on Preparation, Structure and Properties of TiO ₂ /Polythiourethane Hybrid Optical Films with High Refractive Index. Macromolecular Materials and Engineering, 2003, 288, 717-723.	3.6	124
8	Enhanced properties of quaternized graphenes reinforced polysulfone based composite anion exchange membranes for alkaline fuel cell. Journal of Membrane Science, 2015, 487, 99-108.	8.2	106
9	Tricolor White-Light-Emitting Carbon Dots with Multiple-Cores@Shell Structure for WLED Application. ACS Applied Materials & Interfaces, 2018, 10, 19796-19805.	8.0	88
10	Azide-assisted crosslinked quaternized polysulfone with reduced graphene oxide for highly stable anion exchange membranes. Journal of Membrane Science, 2017, 530, 84-94.	8.2	86
11	Fabrication of thermo-responsive polymer functionalized reduced graphene oxide@Fe ₃ O ₄ @Au magnetic nanocomposites for enhanced catalytic applications. Journal of Materials Chemistry A, 2017, 5, 5088-5097.	10.3	81
12	Preparation and characterization of UV-curable ZnO/polymer nanocomposite films. Polymer International, 2007, 56, 138-143.	3.1	79
13	Preparation and characterization of high refractive index thin films of TiO ₂ /epoxy resin nanocomposites. Journal of Applied Polymer Science, 2006, 102, 1631-1636.	2.6	71
14	Studies on syntheses and properties of episulfide-type optical resins with high refractive index. Journal of Applied Polymer Science, 2003, 89, 2426-2430.	2.6	66
15	A Ligand Exchange Route to Highly Luminescent Surface-Functionalized ZnS Nanoparticles and Their Transparent Polymer Nanocomposites. Advanced Functional Materials, 2008, 18, 3070-3079.	14.9	65
16	Size-controllable preparation and antibacterial mechanism of thermo-responsive copolymer-stabilized silver nanoparticles with high antimicrobial activity. Materials Science and Engineering C, 2020, 110, 110735.	7.3	58
17	Facile in situ template synthesis of sulfonated polyimide/mesoporous silica hybrid proton exchange membrane for direct methanol fuel cells. Microporous and Mesoporous Materials, 2012, 148, 8-14.	4.4	56
18	Water-Soluble Polymer Functionalized CdTe/ZnS Quantum Dots: A Facile Ratiometric Fluorescent Probe for Sensitive and Selective Detection of Nitroaromatic Explosives. Chemistry - A European Journal, 2014, 20, 2132-2137.	3.3	52

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19	Thermoresponsive Amphiphilic Block Copolymer-Stabilized Gold Nanoparticles: Synthesis and High Catalytic Properties. <i>Langmuir</i> , 2018, 34, 8205-8214.	3.5	52
20	White light emission from Mn ²⁺ -doped ZnS nanocrystals through the surface chelating of 8-hydroxyquinoline-5-sulfonic acid. <i>Nanotechnology</i> , 2010, 21, 115702.	2.6	51
21	Temperature-responsive polymer-tethered Zr-porphyrin MOFs encapsulated carbon dot nano hybrids with boosted visible-light photodegradation for organic contaminants in water. <i>Chemical Engineering Journal</i> , 2021, 426, 131794.	12.7	51
22	Multiple heterointerfaces boosted de-/sodiation kinetics towards superior Na storage and Na-ion full battery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6578-6586.	10.3	50
23	A facile one-pot route to transparent polymer nanocomposites with high ZnS nanophase contents via in situ bulk polymerization. <i>Journal of Materials Chemistry</i> , 2009, 19, 617-621.	6.7	47
24	Hierarchically Porous N-Doped Carbon Nanosheets Derived From Grapefruit Peels for High-Performance Supercapacitors. <i>ChemistrySelect</i> , 2016, 1, 1441-1447.	1.5	47
25	Preparation and properties of transparent bulk polymer nanocomposites with high nanophase contents. <i>Journal of Materials Chemistry</i> , 2008, 18, 4062.	6.7	46
26	Highly efficient deep-blue organic light-emitting diodes based on pyreno[4,5- <i>d</i>]imidazole-anthracene structural isomers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10273-10280.	5.5	43
27	Temperature responsive polymer brushes grafted from graphene oxide: an efficient fluorescent sensing platform for 2,4,6-trinitrophenol. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7083-7092.	5.5	35
28	Quaternized graphene oxide modified ionic cross-linked sulfonated polymer electrolyte composite proton exchange membranes with enhanced properties. <i>Solid State Ionics</i> , 2016, 294, 43-53.	2.7	34
29	Construction of a thermo-responsive polymer brush decorated Fe ₃ O ₄ @catechol-formaldehyde resin core-shell nanosphere stabilized carbon dots/PdNP nano hybrid and its application as an efficient catalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4017-4029.	10.3	34
30	CdTe QDs functionalized mesoporous silica nanoparticles loaded with conjugated polymers: A facile sensing platform for cupric (II) ion detection in water through FRET. <i>Dyes and Pigments</i> , 2015, 113, 102-109.	3.7	32
31	8-Hydroxyquinoline functionalized ZnS nanoparticles capped with amine groups: A fluorescent nanosensor for the facile and sensitive detection of TNT through fluorescence resonance energy transfer. <i>Dyes and Pigments</i> , 2013, 97, 84-91.	3.7	31
32	A facile construction of quaternized polymer brush-grafted graphene modified polysulfone based composite anion exchange membranes with enhanced performance. <i>RSC Advances</i> , 2016, 6, 51057-51067.	3.6	31
33	Tricolor emissive carbon dots for ultra-wide range pH test papers and bioimaging. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126869.	7.8	30
34	Aphen-functionalized nanoparticles-polymer fluorescent nanocomposites via ligand exchange and in situ bulk polymerization. <i>Journal of Materials Chemistry</i> , 2007, 17, 4591.	6.7	29
35	A novel FRET-based fluorescent chemosensor of Î²-cyclodextrin derivative for TNT detection in aqueous solution. <i>Journal of Luminescence</i> , 2014, 146, 502-507.	3.1	29
36	Quaternized polyhedral oligomeric silsesquioxanes (QPOSS) modified polysulfone-based composite anion exchange membranes. <i>Solid State Ionics</i> , 2017, 309, 170-179.	2.7	28

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37	A facile construction of Au nanoparticles stabilized by thermo-responsive polymer-tethered carbon dots for enhanced catalytic performance. <i>Applied Surface Science</i> , 2018, 454, 181-191.	6.1	27
38	Mussel-inspired construction of thermo-responsive double-hydrophilic diblock copolymers-decorated reduced graphene oxide as effective catalyst supports for highly dispersed superfine Pd nanoparticles. <i>Nanoscale</i> , 2018, 10, 12487-12496.	5.6	26
39	Aphen-derived N-doped white-emitting carbon dots with room temperature phosphorescence for versatile applications. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127344.	7.8	26
40	Fluorescent mesoporous silica nanoparticles functionalized graphene oxide: A facile FRET-based ratiometric probe for Hg ²⁺ . <i>Sensors and Actuators B: Chemical</i> , 2015, 206, 181-189.	7.8	25
41	Controllable synthesis of mussel-inspired catechol-formaldehyde resin microspheres and their silver-based nanohybrids for catalytic and antibacterial applications. <i>Polymer Chemistry</i> , 2019, 10, 4537-4550.	3.9	25
42	Novel quaternized carbon dots modified polysulfone-based anion exchange membranes with improved performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22181-22193.	7.1	24
43	Conjugated polymer and spiro lactam rhodamine-B derivative co-functionalized mesoporous silica nanoparticles as the scaffold for the FRET-based ratiometric sensing of mercury (II) ions. <i>Microporous and Mesoporous Materials</i> , 2015, 208, 113-119.	4.4	23
44	Novel quaternized mesoporous silica nanoparticle modified polysulfone-based composite anion exchange membranes for alkaline fuel cells. <i>RSC Advances</i> , 2015, 5, 43381-43390.	3.6	23
45	Enhanced performance of poly(ether sulfone) based composite proton exchange membranes with sulfonated polymer brush functionalized graphene oxide. <i>RSC Advances</i> , 2015, 5, 93480-93490.	3.6	23
46	Mussel-inspired strategy towards functionalized reduced graphene oxide-crosslinked polysulfone-based anion exchange membranes with enhanced properties. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17461-17474.	7.1	23
47	Facile construction of crosslinked anion exchange membranes based on fluorenyl-containing polysulfone via click chemistry. <i>Polymer Chemistry</i> , 2017, 8, 4403-4413.	3.9	22
48	A facile fabrication of functionalized rGO crosslinked chemically stable polysulfone-based anion exchange membranes with enhanced performance. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6618-6630.	7.1	22
49	Functionalized rGO as covalent crosslinkers for constructing chemically stable polysulfone-based anion exchange membranes with enhanced ion conductivity. <i>Journal of Membrane Science</i> , 2019, 570-571, 481-493.	8.2	22
50	Mussel-Inspired Catechol-Formaldehyde Resin-Coated Fe ₃ O ₄ Core-Shell Magnetic Nanospheres: An Effective Catalyst Support for Highly Active Palladium Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44535-44545.	8.0	19
51	Multiple-cores@shell clustered carbon dots/P25/rGO nanocomposite as robust visible-light photocatalyst for organic pollutant degradation and water disinfection. <i>Applied Surface Science</i> , 2021, 538, 148087.	6.1	18
52	<i>In situ</i> sol-gel route to novel sulfonated polyimide/SiO ₂ hybrid proton exchange membranes for direct methanol fuel cells. <i>Polymer International</i> , 2010, 59, 1578-1585.	3.1	17
53	Mussel-inspired fabrication of cationic polymer modified rGO supported silver nanoparticles hybrid with robust antibacterial and catalytic reduction performance. <i>Applied Surface Science</i> , 2020, 506, 144655.	6.1	17
54	Poly(p-phenylenevinylene) functionalized fluorescent mesoporous silica nanoparticles for drug release and cell imaging. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 155-164.	4.4	16

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55	Temperature-dependent catalytic reduction of 4-nitrophenol based on silver nanoclusters protected by a thermo-responsive copolymer ligand. <i>RSC Advances</i> , 2016, 6, 14247-14252.	3.6	16
56	A facile synthesis of thermo-responsive copolymer stabilized fluorescent silver nanoclusters and their application in pH sensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 996-1004.	7.8	16
57	Synthesis and properties of silica-polyimide hybrid films derived from colloidal silica particles and polyamic acid. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3477-3483.	2.6	15
58	Blue light emitting gold nanoparticles functionalized with non-thiolate thermosensitive polymer ligand: optical properties, assemblies and application. <i>RSC Advances</i> , 2014, 4, 57245-57249.	3.6	14
59	Fabrication of a Flowerlike Ag Microsphere Film with Applications in Catalysis and as a SERS Substrate. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2835-2840.	2.0	14
60	Formation of nanoparticles in solid-state matrices: a strategy for bulk transparent TiO ₂ -polymer nanocomposites. <i>Polymer Chemistry</i> , 2012, 3, 3296.	3.9	13
61	In situ route to novel fluorescent mesoporous silica nanoparticles with 8-hydroxyquinolate zinc complexes and their biomedical applications. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 293-302.	4.4	12
62	Facile synthesis of thermo-responsive episulfide group-containing diblock copolymers as robust protecting ligands of gold nanoparticles for catalytic applications. <i>RSC Advances</i> , 2016, 6, 37487-37499.	3.6	12
63	Construction of Î²-cyclodextrin derived CDs-coupled block copolymer micelles loaded with CdSe/ZnS QDs via host-guest interaction for ratiometric fluorescence sensing of metal ions. <i>Dyes and Pigments</i> , 2019, 168, 369-380.	3.7	12
64	A facile method to prepare polymer functionalized carbon dots inspired by the mussel chemistry for LED application. <i>Dyes and Pigments</i> , 2019, 162, 845-854.	3.7	12
65	Synthesis and properties of ZnS/ polyimide nanocomposite films. <i>Polymer International</i> , 2007, 56, 601-605.	3.1	11
66	Anion exchange membranes by bromination of benzylmethyl-containing poly(flourene ether sulfone)s. <i>RSC Advances</i> , 2014, 4, 27502-27509.	3.6	11
67	A facile construction of Au nanoparticles on a copolymer ligand brushes modified graphene oxide nanoplatfrom with excellent catalytic properties. <i>RSC Advances</i> , 2016, 6, 64937-64945.	3.6	11
68	Mussel-inspired polydopamine-encapsulated carbon dots with dual emission for detection of 4-nitrophenol and Fe ³⁺ . <i>Luminescence</i> , 2021, 36, 431-442.	2.9	11
69	Ultra-stable water-dispersive perovskite QDs encapsulated by triple siloxane coupling agent system with different hydrophilic/hydrophobic properties. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4343-4354.	5.9	11
70	High luminescence, organic-inorganic nanocomposite films with covalently linked 8-hydroxyquinoline anchored to ZnS nanoparticles. <i>Dyes and Pigments</i> , 2010, 85, 66-72.	3.7	10
71	New organic-inorganic hybrid membranes based on sulfonated polyimide/aminopropyltriethoxysilane doping with sulfonated mesoporous silica for direct methanol fuel cells. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3164-3172.	2.6	10
72	Quaternized POSS modified rGO-supported Pd nanoparticles as a highly efficient catalyst for reduction and Suzuki coupling reactions. <i>New Journal of Chemistry</i> , 2019, 43, 18601-18610.	2.8	10

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73	Mussel-inspired coordination functional polymer brushes-decorated rGO-stabilized silver nanoparticles composite for antibacterial application. <i>Polymer Chemistry</i> , 2020, 11, 2822-2830.	3.9	10
74	Rapid synthesis of NADPH responsive CdSe quantum dots from selenium nanoparticles. <i>RSC Advances</i> , 2014, 4, 61133-61136.	3.6	9
75	A Facile Strategy to Fabricate Thermo-responsive Polymer Functionalized CdTe/ZnS Quantum Dots: Assemblies and Optical Properties. <i>Macromolecular Rapid Communications</i> , 2014, 35, 77-83.	3.9	9
76	Quaternized polyhedral oligomeric silsesquioxanes stabilized Pd nanoparticles as efficient nanocatalysts for reduction reaction. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124110.	4.7	9
77	Mussel-inspired functionalized LDH as covalent crosslinkers for constructing micro-crosslinking fluorenyl-containing polysulfone-based composite anion exchange membranes with enhanced properties. <i>Applied Clay Science</i> , 2020, 199, 105878.	5.2	9
78	A facile synthesis of multifunctional carbon dots as fluorescence "turn on" and "turn off" probes for selective detection of Al ³⁺ and 2,4,6-trinitrophenol. <i>Luminescence</i> , 2020, 35, 1277-1285.	2.9	9
79	Polymerization mechanisms and curing kinetics of novel polymericaptan curing system containing epoxy/nitrogen. <i>Journal of Applied Polymer Science</i> , 2002, 86, 589-595.	2.6	8
80	Synthesis and properties of transparent luminescent nanocomposites with surface functionalized semiconductor nanocrystals. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2279-2284.	2.9	8
81	Silica nanoparticles-mediated stable genetic transformation in <i>Nicotiana tabacum</i> . <i>Chemical Research in Chinese Universities</i> , 2015, 31, 976-981.	2.6	8
82	A facile route to enhance the properties of polymer electrolyte-based organic-inorganic hybrid proton exchange membranes. <i>Solid State Ionics</i> , 2015, 283, 1-9.	2.7	8
83	Fabrication and Properties of Graphene Oxide/Sulfonated Polyethersulfone Layer-by-layer Assembled Polyester Fiber Composite Proton Exchange Membranes. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 318-325.	2.6	8
84	Coordination-induced assemblies of quantum dots in amphiphilic thermo-responsive block copolymer micelles: morphologies, optical properties and applications. <i>Polymer Chemistry</i> , 2018, 9, 3158-3168.	3.9	8
85	Construction of a thermo-responsive copolymer-stabilized Fe ₃ O ₄ @CD@PdNP hybrid and its application in catalytic reduction. <i>Polymer Chemistry</i> , 2020, 11, 1177-1187.	3.9	8
86	Mussel-inspired route to polyethyleneimine decorated MgAl-LDH supported nanosilver hybrid for antimicrobial and catalytic applications. <i>Materials Chemistry and Physics</i> , 2021, 270, 124819.	4.0	8
87	Preparation of a temperature-responsive block copolymer-anchored graphene oxide@ZnS NPs luminescent nanocomposite for selective detection of 2,4,6-trinitrotoluene. <i>New Journal of Chemistry</i> , 2018, 42, 9598-9605.	2.8	7
88	Facile preparation of Ag nanoparticles using uric acid and their applications in colorimetric detection and catalysis. <i>Analytical Methods</i> , 2018, 10, 4518-4524.	2.7	7
89	Construction of Polymer-Decorated Fe ₃ O ₄ @Catechol-formaldehyde Resin Amphiphilic Janus Nanospheres for Catalytic Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 5660-5669.	5.0	7
90	Preparation and properties of ternary polyimide/SiO ₂ /polydiphenylsiloxane composite films. <i>Polymer International</i> , 2006, 55, 1277-1282.	3.1	6

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91	Fabrication of fluorescent mesoporous silica nanoparticles with confined 8-hydroxyquinoline functionalized ZnS nanoparticles and their transparent polymer nanocomposites. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 122-129.	4.4	6
92	8-Hydroxyquinoline and its derivatives functionalized Cd _{1-x} Zn _x Se _{1-y} S _y alloyed NCs: optical and photophysical properties. <i>RSC Advances</i> , 2013, 3, 21298.	3.6	6
93	Mussel-inspired preparation of temperature-responsive polymer brushes modified layered double hydroxides@Pd/carbon dots hybrid for catalytic applications. <i>Applied Clay Science</i> , 2021, 200, 105958.	5.2	6
94	Organic-inorganic nanohybrids based on an AIE luminogen-functional polymer and CdTe/ZnS QDs: morphologies, optical properties, and applications. <i>Polymer Chemistry</i> , 2021, 12, 3775-3783.	3.9	4
95	Regulation of micromorphology and proton conductivity of sulfonated polyimide/crosslinked PNIPAm semi-interpenetrating networks by hydrogen bonding. <i>Polymer International</i> , 2014, 63, 1806-1815.		
96	Ultrasonic-assisted mesoporous silica nanoparticle-mediated exogenous gene stable expression in tobacco. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 912-916.	2.6	3
97	Non-surfactant template-directed synthesis of SiO ₂ -polyimide hybrid self-standing films with ordered mesoporous structure. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2424-2429.	3.2	2
98	A new insight into the mechanism of influence of different inorganic salts on optical properties of water-soluble cationic conjugated polymers. <i>Polymer International</i> , 2011, 60, 1514-1520.	3.1	1
99	Preparation and optical properties of fluorescent hybrid complex of polycationic conjugated polymer and surface-functionalized ZnS nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 408, 40-47.	4.7	1
100	Double-channel emission from gold nanoparticles functionalized with a thermo-responsive copolymer ligand: preparation, optical properties and control of catalytic activity. <i>RSC Advances</i> , 2016, 6, 88179-88188.	3.6	1
101	Synthesis and photoluminescence properties of poly(2-methoxy-5-(2-ethylhexyloxy)-p-phenylene) Tj ETQq1 1 0,784314 rgBT /Overl 1.0		