

Guo Dong Liang

List of Publications by Year in descending order

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115
papers

4,694
citations

117625

34
h-index

106344

65
g-index

115
all docs

115
docs citations

115
times ranked

5426
citing authors

#	ARTICLE	IF	CITATIONS
1	White light emission from a single organic molecule with dual phosphorescence at room temperature. <i>Nature Communications</i> , 2017, 8, 416.	12.8	621
2	Construction of Efficient Deep Blue Aggregation-Induced Emission Luminogen from Triphenylethene for Nondoped Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2015, 27, 3892-3901.	6.7	208
3	Enhancing Thermal Stability and Living Fashion in $\hat{\text{I}}\pm\text{-Diimine}$ Nickel-Catalyzed (Co)polymerization of Ethylene and Polar Monomer by Increasing the Steric Bulk of Ligand Backbone. <i>Macromolecules</i> , 2017, 50, 2675-2682.	4.8	195
4	Long-Lived Room-Temperature Phosphorescence for Visual and Quantitative Detection of Oxygen. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12102-12106.	13.8	195
5	Electrical behavior of polypropylene/multiwalled carbon nanotube nanocomposites with low percolation threshold. <i>Scripta Materialia</i> , 2007, 57, 461-464.	5.2	158
6	Synthesis and Characterization of Organometallic Coordination Polymer Nanoshells of Prussian Blue Using Miniemulsion Periphery Polymerization (MEPP). <i>Journal of the American Chemical Society</i> , 2009, 131, 5378-5379.	13.7	150
7	Polyethylene/maleic anhydride grafted polyethylene/organic-montmorillonite nanocomposites. I. Preparation, microstructure, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3974-3980.	2.6	138
8	A mechanistic study of AIE processes of TPE luminogens: intramolecular rotation vs. configurational isomerization. <i>Journal of Materials Chemistry C</i> , 2016, 4, 99-107.	5.5	132
9	Molecular luminogens based on restriction of intramolecular motions through host-guest inclusion for cell imaging. <i>Chemical Communications</i> , 2014, 50, 1725-1727.	4.1	129
10	Effect of mechanical stretching on electrical conductivity and positive temperature coefficient characteristics of poly(vinylidene fluoride)/carbon nanofiber composites prepared by non-solvent precipitation. <i>Carbon</i> , 2011, 49, 1758-1768.	10.3	116
11	Preparation and crystallization behaviour of PP/PP-g-MAH/Org-MMT nanocomposite. <i>European Polymer Journal</i> , 2003, 39, 1467-1474.	5.4	107
12	Electrical properties of low-density polyethylene/multiwalled carbon nanotube nanocomposites. <i>Materials Chemistry and Physics</i> , 2006, 100, 132-137.	4.0	106
13	Facile Synthesis of Efficient Luminogens with AIE Features for Three-Photon Fluorescence Imaging of the Brain through the Intact Skull. <i>Advanced Materials</i> , 2020, 32, e2000364.	21.0	103
14	Stepwise Energy Transfer: Near-Infrared Persistent Luminescence from Doped Polymeric Systems. <i>Advanced Materials</i> , 2022, 34, e2108333.	21.0	97
15	Electrical properties of low-density polyethylene/ZnO nanocomposites. <i>Materials Chemistry and Physics</i> , 2006, 100, 1-5.	4.0	86
16	Microstructure and properties of polypropylene composites filled with silver and carbon nanotube nanoparticles prepared by melt-compounding. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 142, 55-61.	3.5	83
17	Polypropylene/montmorillonite nanocomposites toughened with SEBS-g-MA: Structure-property relationship. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 3112-3126.	2.1	82
18	PP-PP-g-MAH-Org-MMT nanocomposites. I. Intercalation behavior and microstructure. <i>Journal of Applied Polymer Science</i> , 2003, 88, 3225-3231.	2.6	78

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19	Red emissive AIE luminogens with high hole-transporting properties for efficient non-doped OLEDs. <i>Chemical Communications</i> , 2015, 51, 7321-7324.	4.1	76
20	Ligand-Directed Regioselectivity in Amine-Imine Nickel-Catalyzed 1-Hexene Polymerization. <i>ACS Catalysis</i> , 2015, 5, 122-128.	11.2	70
21	Sensitive and reliable detection of glass transition of polymers by fluorescent probes based on AIE luminogens. <i>Polymer Chemistry</i> , 2015, 6, 3537-3542.	3.9	64
22	Crystallization-Induced Hybrid Nano-Sheets of Fluorescent Polymers with Aggregation-Induced Emission Characteristics for Sensitive Explosive Detection. <i>ACS Macro Letters</i> , 2014, 3, 21-25.	4.8	63
23	PE/PE-g-MAH/Org-MMT nanocomposites. II. Nonisothermal crystallization kinetics. <i>Journal of Applied Polymer Science</i> , 2004, 91, 3054-3059.	2.6	53
24	Temperature-induced and crystallization-driven self-assembly of polyethylene-b-poly(ethylene oxide) in solution. <i>Polymer</i> , 2013, 54, 1663-1670.	3.8	53
25	Bioinspired Fluorescent Nanosheets for Rapid and Sensitive Detection of Organic Pollutants in Water. <i>ACS Sensors</i> , 2016, 1, 1272-1278.	7.8	52
26	Positive Temperature Coefficient Effect of Polypropylene/Carbon Nanotube/Montmorillonite Hybrid Nanocomposites. <i>IEEE Nanotechnology Magazine</i> , 2009, 8, 729-736.	2.0	51
27	Poly(propylene)-poly(propylene)-grafted maleic anhydride-organic montmorillonite (PP-PP-g-MAH-Org-MMT) nanocomposites. II. Nonisothermal crystallization kinetics. <i>Journal of Applied Polymer Science</i> , 2003, 88, 3093-3099.	2.6	45
28	Long-Lived Room-Temperature Phosphorescence for Visual and Quantitative Detection of Oxygen. <i>Angewandte Chemie</i> , 2019, 131, 12230-12234.	2.0	44
29	Crystallization and coalescence of block copolymer micelles in semicrystalline block copolymer/amorphous homopolymer blends. <i>Polymer</i> , 2005, 46, 1709-1716.	3.8	42
30	Glass transition of polystyrene nanospheres under different confined environments in aqueous dispersions. <i>Soft Matter</i> , 2013, 9, 4614.	2.7	42
31	Effects of crystallization on dispersion of carbon nanofibers and electrical properties of polymer nanocomposites. <i>Polymer Engineering and Science</i> , 2008, 48, 177-183.	3.1	41
32	Electrical properties of percolative polystyrene/carbon nanofiber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2008, 15, 214-220.	2.9	40
33	Research on 5-fluorouracil as a drug carrier materials with its in vitro release properties on organic modified magadiite. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 130, 44-53.	4.0	40
34	Effects of Cationic Species in Salts on the Electrical Conductivity of Doped PEDOT:PSS Films. <i>ACS Applied Polymer Materials</i> , 2021, 3, 98-103.	4.4	40
35	General Platform for Remarkably Thermoresponsive Fluorescent Polymers with Memory Function. <i>ACS Macro Letters</i> , 2016, 5, 909-914.	4.8	35
36	Synthesis and self-assembly of isotactic polystyrene-block-poly(ethylene glycol). <i>Polymer Chemistry</i> , 2013, 4, 954-960.	3.9	33

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37	A novel stimuli-responsive fluorescent elastomer based on an AIE mechanism. <i>Polymer Chemistry</i> , 2015, 6, 8194-8202.	3.9	33
38	Sensitive and rapid detection of aliphatic amines in water using self-stabilized micelles of fluorescent block copolymers. <i>Journal of Hazardous Materials</i> , 2019, 368, 630-637.	12.4	33
39	Simultaneous promotion of efficiency and lifetime of organic phosphorescence for self-referenced temperature sensing. <i>Chemical Engineering Journal</i> , 2020, 400, 125934.	12.7	32
40	Electrical properties of low density polyethylene/ZnO nanocomposites: The effect of thermal treatments. <i>Journal of Applied Polymer Science</i> , 2006, 102, 1436-1444.	2.6	31
41	Adsorption Analyses of Phenol from Aqueous Solutions Using Magadiite Modified with Organo-Functional Groups: Kinetic and Equilibrium Studies. <i>Materials</i> , 2019, 12, 96.	2.9	31
42	Alternating Vinylarene- α -Carbon Monoxide Copolymers: Simple and Efficient Nonconjugated Luminescent Macromolecules. <i>Macromolecules</i> , 2020, 53, 9337-9344.	4.8	30
43	Preparation and Characterization of Magadiite- α -Magnetite Nanocomposite with Its Sorption Performance Analyses on Removal of Methylene Blue from Aqueous Solutions. <i>Polymers</i> , 2019, 11, 607.	4.5	29
44	Thin Film Morphology of Symmetric Semicrystalline Oxyethylene/Oxybutylene Diblock Copolymers on Silicon. <i>Macromolecules</i> , 2006, 39, 5471-5478.	4.8	26
45	Catalytic synthesis of polyethylene-block-polybornene copolymers using a living polymerization nickel catalyst. <i>Polymer Chemistry</i> , 2014, 5, 6012-6018.	3.9	26
46	Rapid detection of aromatic pollutants in water using swellable micelles of fluorescent polymers. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 415-425.	7.8	25
47	A mass-amplifying electrochemiluminescence film (MAEF) for the visual detection of dopamine in aqueous media. <i>Nanoscale</i> , 2020, 12, 8828-8835.	5.6	25
48	Synthesis of amphiphilic polyethylene-b-poly(l-glutamate) block copolymers with vastly different solubilities and their stimuli-responsive polymeric micelles in aqueous solution. <i>Polymer</i> , 2014, 55, 4593-4600.	3.8	23
49	Synthesis of well-defined amphiphilic branched polyethylene-graft-poly (N-isopropylacrylamide) copolymers by coordination copolymerization in tandem with RAFT polymerization and their self-assembled vesicles. <i>Polymer Chemistry</i> , 2014, 5, 962-970.	3.9	23
50	Sticky nanopads made of crystallizable fluorescent polymers for rapid and sensitive detection of organic pollutants in water. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2115-2122.	10.3	23
51	Quantitative and rapid detection of explosives using an efficient luminogen with aggregation-induced emission characteristics. <i>Sensors and Actuators B: Chemical</i> , 2020, 302, 127201.	7.8	23
52	Preparation of organic-modified magadiite- α -magnetic nanocomposite particles as an effective nanohybrid drug carrier material for cancer treatment and its properties of sustained release mechanism by Korsmeyer- α -Peppas kinetic model. <i>Journal of Materials Science</i> , 2021, 56, 14270-14286.	3.7	22
53	Full-type photoluminescence from a single organic molecule for multi-signal temperature sensing. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2261-2270.	5.9	22
54	Synthesis, characterization and micellization of amphiphilic polyethylene-b-polyphosphoester block copolymers. <i>RSC Advances</i> , 2015, 5, 49376-49384.	3.6	21

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55	Continuously-tunable fluorescent polypeptides through a polymer-assisted assembly strategy. <i>Polymer Chemistry</i> , 2016, 7, 5181-5187.	3.9	21
56	Curing behavior of epoxy resin/tung oil anhydride exfoliated nanocomposite by differential scanning calorimetry. <i>Journal of Applied Polymer Science</i> , 2004, 92, 3822-3829.	2.6	20
57	Electrical Conducting Behavior of Polyethylene Composites Filled with Self-Passivated Aluminum Nanoparticles and Carbon Nanotubes. <i>Advanced Engineering Materials</i> , 2007, 9, 1014-1017.	3.5	18
58	Bright electrochemiluminescent films of efficient aggregation-induced emission luminogens for sensitive detection of dopamine. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2051-2057.	5.9	18
59	Synthesis and characterization of ultrathin metal coordination Prussian blue nanoribbons. <i>Dalton Transactions</i> , 2013, 42, 5242.	3.3	17
60	Glass transition of poly(methyl methacrylate) nanospheres in aqueous dispersion. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15941.	2.8	17
61	Thermoresponsive Fluorescent Semicrystalline Polymers Decorated with Aggregation Induced Emission Luminogens. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019, 37, 394-400.	3.8	17
62	Preparation of waterborne polyurethane with high solid content and elasticity. <i>Journal of Polymer Research</i> , 2019, 26, 1.	2.4	16
63	Self-Amplified Fluorescent Nanoparticles for Rapid and Visual Detection of Xylene in Aqueous Media. <i>ACS Sensors</i> , 2019, 4, 2536-2545.	7.8	15
64	Effect of Substrate Surface on Dewetting Behavior and Chain Orientation of Semicrystalline Block Copolymer Thin Films. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24384-24389.	2.6	14
65	Lamellar Orientation in Thin Films of Symmetric Semicrystalline Polystyrene- <i>b</i> -poly(ethylene-co-butene) Block Copolymers: Effects of Molar Mass, Temperature of Solvent Evaporation, and Annealing. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11921-11928.	2.6	14
66	Crystalline-coil diblock copolymers of syndiotactic polypropylene- <i>b</i> -poly(ethylene oxide): synthesis, solution self-assembly, and confined crystallization in nanosized micelle cores. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	14
67	Crystallization-Induced Redox-Active Nanoribbons of Organometallic Polymers. <i>ACS Macro Letters</i> , 2015, 4, 593-597.	4.8	14
68	Bathochromic-Shifted Emissions by Postfunctionalization of Nonconjugated Polyketones. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59288-59297.	8.0	14
69	Strain-Responsive Persistent Room-Temperature Phosphorescence from Halogen-Free Polymers for Early Damage Reporting through Phosphorescence Lifetime and Image Analysis. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	14
70	Effect of Substrate and Molecular Weight on the Stability of Thin Films of Semicrystalline Block Copolymers. <i>Langmuir</i> , 2007, 23, 3673-3679.	3.5	13
71	Morphology of semicrystalline oxyethylene/oxybutylene block copolymer thin films on mica. <i>Polymer</i> , 2007, 48, 7201-7210.	3.8	13
72	Amphiphilic Nanocapsules Entangled with Organometallic Coordination Polymers for Controlled Cargo Release. <i>Langmuir</i> , 2014, 30, 6294-6301.	3.5	13

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73	Deep-Blue Ultralong Room-Temperature Phosphorescence from Halogen-Free Organic Materials through Cage Effect for Various Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2100959.	7.3	13
74	Polarized optical microscopy study on the superstructures of oxyethylene/oxybutylene block copolymers. <i>Polymer</i> , 2004, 45, 6675-6680.	3.8	12
75	The Synthesis of Organometallic Coordination Polymer Flowers of Prussian Blue with Ultrathin Petals by Using Crystallization-Assisted Interface Coordination Polymerization (CAICP). <i>Chemistry - A European Journal</i> , 2012, 18, 15272-15276.	3.3	12
76	Confined crystallization of core-forming blocks in nanoscale self-assembled micelles of poly(μ -caprolactone)- <i>b</i> -poly(ethylene oxide) in aqueous solution. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	11
77	Graphene-induced tiny flowers of organometallic polymers with ultrathin petals for hydrogen peroxide sensing. <i>Carbon</i> , 2015, 93, 719-730.	10.3	11
78	Systemic research of fluorescent emulsion systems and their polymerization process with a fluorescent probe by an AIE mechanism. <i>RSC Advances</i> , 2016, 6, 74225-74233.	3.6	11
79	Glass transition and quantum yield for fluorescent labelled polystyrene core-forming block in self-assembled nanomicelles of amphiphilic diblock copolymers. <i>Journal of Polymer Research</i> , 2015, 22, 1.	2.4	10
80	Synthesis and Characterization of Nanowire Coils of Organometallic Coordination Polymers for Controlled Cargo Release. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6339-6345.	2.6	9
81	Growing Tiny Flowers of Organometallic Polymers along Carbon Nanotubes. <i>Macromolecules</i> , 2015, 48, 4115-4121.	4.8	9
82	Adsorption Process and Properties Analyses of a Pure Magadiite and a Modified Magadiite on Rhodamine-B from an Aqueous Solution. <i>Processes</i> , 2019, 7, 565.	2.8	9
83	Nonisothermal crystallization kinetics of low-density polyethylene inside percolating network of ZnO nanoparticles. <i>Journal of Applied Polymer Science</i> , 2012, 125, E113.	2.6	8
84	Effects on the Mechanical Properties of Nacre-Like Bio-Hybrid Membranes with Inter-Penetrating Petal Structure Based on Magadiite. <i>Materials</i> , 2019, 12, 173.	2.9	8
85	Crystallization and melting behaviors of polystyrene- <i>b</i> -poly(ethylene-co-butene) block copolymers. <i>European Polymer Journal</i> , 2007, 43, 3153-3162.	5.4	7
86	Poly(β -benzyl-L-glutamate) decorated with cyanoferrate complex: synthesis, characterization and electrochemical properties. <i>Polymer Chemistry</i> , 2013, 4, 3821.	3.9	7
87	Waterborne redox-active helix-coil-helix triblock metallopolymer: Synthesis, disassembly and electrochemical behaviors. <i>Polymer</i> , 2014, 55, 2205-2212.	3.8	7
88	Crystallization-driven self-assembly of isotactic polystyrene in N, N-dimethylformamide. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 646-651.	3.8	7
89	Synthesis and self-assembly in aqueous solution of amphiphilic diblock copolymers containing hyperbranched polyethylene. <i>Polymer</i> , 2015, 57, 125-131.	3.8	7
90	Study on glass transition and physical aging of polystyrene nanowires by differential scanning calorimetry. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	7

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91	The influences of electronic effect and isomerization of salalen titanium(Ti^{IV}) complexes on ethylene polymerization in the presence of methylaluminoxane. <i>RSC Advances</i> , 2019, 9, 41824-41831.	3.6	7
92	Conjugated microporous polymers for near-infrared photothermal control of shape change. <i>Science China Materials</i> , 2021, 64, 430-439.	6.3	7
93	Synthesis of polystyrene- <i>b</i> -poly(ethylene-co-butene) block copolymers by anionic living polymerization and subsequent noncatalytic hydrogenation. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2632-2638.	2.6	6
94	Metal coordination induced disassembly of polypeptides affords electrochemically active hybrid nano-helices. <i>Polymer Chemistry</i> , 2013, 4, 5671.	3.9	6
95	Study on the condensed state physics of poly(ϵ -caprolactone) nano-aggregates in aqueous dispersions. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 264-271.	9.4	6
96	Investigation on the Preparation and Properties of CMC/magadiite Nacre-Like Nanocomposite Films. <i>Polymers</i> , 2019, 11, 1378.	4.5	6
97	Transformable fluorescent nanoparticles (TFNs) of amphiphilic block copolymers for visual detection of aromatic amines in water. <i>Polymer Chemistry</i> , 2021, 12, 5467-5476.	3.9	6
98	Preparation of Magadiite-Sodium Alginate Drug Carrier Composite by Pickering-Emulsion-Templated-Encapsulation Method and Its Properties of Sustained Release Mechanism by Baker-Lonsdale and Korsmeyer-Peppas Model. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3890-3900.	5.0	6
99	Crystallization of low-density polyethylene embedded inside zinc oxide nanoparticle percolating network. <i>Polymer Engineering and Science</i> , 2012, 52, 1250-1257.	3.1	5
100	Fluorescent quantum yield of pyrene probe in ultrathin polymer films. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 400-406.	3.8	5
101	Dual-potential electrochemiluminescent film constructed from single AIE luminogens for the sensitive detection of malachite green. <i>Nanoscale</i> , 2022, 14, 7711-7719.	5.6	5
102	Comparison of Crystallization Rate and Macroscopic Morphology of Two Oxyethylene/Oxybutylene Triblock Copolymers. The Effect of Molecular Architecture. <i>Polymer Journal</i> , 2004, 36, 465-471.	2.7	4
103	Large-scale synthesis of organometallic polymer flowers with ultrathin petals for hydrogen peroxide sensing. <i>Polymer Chemistry</i> , 2015, 6, 4447-4454.	3.9	4
104	Tiny nanoparticles of organometallic polymers through the direct disassembly-assisted synthesis strategy for hydrogen peroxide sensing. <i>Polymer Chemistry</i> , 2015, 6, 7179-7187.	3.9	4
105	Synthesis and self-assembly of a novel amphiphilic diblock copolymer consisting of isotactic polystyrene and 1,4-trans-polybutadiene-graft-poly(ethylene oxide). <i>RSC Advances</i> , 2018, 8, 12752-12759.	3.6	4
106	Fluorescent nanoparticles of amphiphilic block copolymers for sensitive and rapid detection of N-ethylaniline in water. <i>Dyes and Pigments</i> , 2021, 190, 109333.	3.7	4
107	Melting-Recrystallization of Block Copolymer Crystals in Confined Environments. <i>Polymer Journal</i> , 2005, 37, 43-46.	2.7	3
108	Syndiospecific polymerization of styrene with C1-symmetric [OSNO]-type bridged bis(phenolate) titanium (IV) complexes. <i>Journal of Organometallic Chemistry</i> , 2015, 798, 347-353.	1.8	3

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109	Synthesis of isotactic polystyrene-block-polyethylene by the combination of sequential monomer addition and hydrogenation of 1,4-trans-polybutadiene block. Chinese Journal of Polymer Science (English Edition), 2017, 35, 866-873.	3.8	3
110	Theoretical Aspects of Polymer Crystallization in Multiphase Systems. , 2018, , 17-48.		2
111	Title is missing!. Chinese Journal of Polymer Science (English Edition), 2006, 24, 341.	3.8	2
112	Fabrication and electrical conducting behavior of carbon nanofiber reinforced high-density polyethylene/ polystyrene nanocomposites with low percolation threshold. E-Polymers, 2008, 8, .	3.0	1
113	Synthesis and characterization of isotactic poly(p-hydroxystyrene)- block-1,4-trans-polybutadiene by sequential monomer addition using titanium complex with an [OSSO]-type Bis(phenolate) ligand. Journal of Polymer Research, 2019, 26, 1.	2.4	1
114	A flexible and bright surface-enhanced electrochemiluminescence film constructed from efficient aggregation-induced emission luminogens for biomolecular sensing. Journal of Materials Chemistry B, 2022, , .	5.8	1
115	Electrical Behavior of High Density Polyethylene/ZnO Nano-composites. E-Polymers, 2007, 7, .	3.0	0