

Yonggui Liao

List of Publications by Year in descending order

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172457

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docs citations

100
times ranked

3784
citing authors

#	ARTICLE	IF	CITATIONS
1	Naked-eye sensing and target-guiding treatment of bacterial infection using pH-tunable multicolor luminescent lanthanide-based hydrogel. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 731-740.	9.4	13
2	Efficient preparation of all cellulose composite films using a plasticizing-rolling method. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 158, 106968.	7.6	4
3	Helix Induction and Inversion of Polymeric Foldamer Regulated by the Single Enantiomers. <i>Macromolecular Rapid Communications</i> , 2022, , 2200238.	3.9	2
4	Configuration-Dependent Liquid Crystal and Gel Behaviors of Tetraphenylethene-Containing Main-Chain Copolyesters. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200154.	3.9	7
5	Injectable Thermosensitive Iodine-Loaded Starch-g-poly(N-isopropylacrylamide) Hydrogel for Cancer Photothermal Therapy and Anti-Infection. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200203.	3.9	13
6	Highly thermally conductive yet mechanically robust composites with nacre-mimetic structure prepared by evaporation-induced self-assembly approach. <i>Chemical Engineering Journal</i> , 2021, 405, 126865.	12.7	34
7	High-Performance Photochromic Hydrogels for Rewritable Information Record. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000701.	3.9	16
8	Light regulation and long-lived stability of RGB colors in cholesteric liquid crystal physical gels via a mixing strategy. <i>Soft Matter</i> , 2021, 17, 3216-3221.	2.7	9
9	Injectable Adhesive Hydrogel as Photothermal-Derived Antigen Reservoir for Enhanced Anti-Tumor Immunity. <i>Advanced Functional Materials</i> , 2021, 31, 2010587.	14.9	54
10	Luminescence sensitization of terbium-loaded supramolecular gels by hydroxybenzoic acids and used for salicylates sensing. <i>Talanta</i> , 2021, 225, 122061.	5.5	5
11	A triple-stimuli responsive supramolecular hydrogel based on methoxy-azobenzene-grafted poly(acrylic acid) and β -cyclodextrin dimer. <i>Polymer</i> , 2021, 221, 123617.	3.8	18
12	Helical tube triggered two-stage emission behavior for tetraphenylethene-functionalised hemicyanine dye: Better dispersion stronger fluorescence. <i>Polymer</i> , 2021, 225, 123771.	3.8	4
13	Carboxymethyl chitosan-promoted luminescence of lanthanide metallogel and its application in assay of multiple metal ions. <i>Carbohydrate Polymers</i> , 2021, 263, 117986.	10.2	17
14	Photo- and pH-responsive drug delivery nanocomposite based on o-nitrobenzyl functionalized upconversion nanoparticles. <i>Polymer</i> , 2021, 229, 123961.	3.8	15
15	Z/E Effect on Phase Behavior of Main-Chain Liquid Crystalline Polymers Bearing AIEgens. <i>Macromolecules</i> , 2021, 54, 10740-10749.	4.8	13
16	Concurrent helix extension and chirality enhancement for an artificial helical foldamer complexed with sterically hindered chiral molecules. <i>Polymer</i> , 2020, 188, 122135.	3.8	5
17	Hydrogen bond driven self-supporting organogels from main-chain liquid crystalline polymers. <i>Polymer</i> , 2020, 188, 122148.	3.8	11
18	Injectable zwitterionic thermosensitive hydrogels with low-protein adsorption and combined effect of photothermal-chemotherapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10637-10649.	5.8	24

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19	Intrinsically Visible Light-Responsive Liquid Crystalline Physical Gels Driven by a Halogen Bond. <i>Langmuir</i> , 2020, 36, 11873-11879.	3.5	13
20	Chain-length effect on binary superlattices of polymer-tethered nanoparticles. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2089-2095.	5.9	13
21	Wholly Visible-Light-Responsive Host-Guest Supramolecular Gels Based on Methoxy Azobenzene and β -Cyclodextrin Dimers. <i>Langmuir</i> , 2020, 36, 7408-7417.	3.5	34
22	Multi-Responsive Lanthanide-Based Hydrogel with Encryption, Naked Eye Sensing, Shape Memory, Self-Healing, and Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28539-28549.	8.0	71
23	Lewis pair catalyzed highly selective polymerization for the one-step synthesis of $A_{x-z}B_yC_z$ pentablock terpolymers. <i>Polymer Chemistry</i> , 2020, 11, 1691-1695.	3.9	44
24	One-Step and Metal-Free Synthesis of Triblock Quaterpolymers by Concurrent and Switchable Polymerization. <i>ACS Macro Letters</i> , 2020, 9, 204-209.	4.8	59
25	A heat-set lanthanide metallogel capable of emitting stable luminescence under thermal, mechanical and water stimuli. <i>Dalton Transactions</i> , 2020, 49, 2827-2832.	3.3	12
26	High-strength cellulose films obtained by the combined action of shear force and surface selective dissolution. <i>Carbohydrate Polymers</i> , 2020, 233, 115883.	10.2	10
27	Reversible photo-responsive gel-sol transitions of robust organogels based on an azobenzene-containing main-chain liquid crystalline polymer. <i>RSC Advances</i> , 2020, 10, 3726-3733.	3.6	27
28	Visible light-triggered gel-to-sol transition in halogen-bond-based supramolecules. <i>Soft Matter</i> , 2019, 15, 6411-6417.	2.7	24
29	Effect of Stone-Wales Defect on Mechanical Properties of Gr/epoxy Nanocomposites. <i>Polymers</i> , 2019, 11, 1116.	4.5	11
30	Reversible Redox Switching of Concurrent Luminescence and Visual Color Change Based on Lanthanide Metallogel. <i>Langmuir</i> , 2019, 35, 15344-15351.	3.5	14
31	Strain-optical behavior of polyethylene terephthalate film during uniaxial stretching investigated by Mueller matrix ellipsometry. <i>Polymer</i> , 2019, 182, 121842.	3.8	8
32	Effect of ketyl radical on the structure and performance of holographic polymer/liquid-crystal composites. <i>Science China Materials</i> , 2019, 62, 1921-1933.	6.3	17
33	Giant Stability Enhancement of $CsPbX_3$ Nanocrystal Films by Plasma-Induced Ligand Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35270-35276.	8.0	36
34	Holographic polymer nanocomposites with ordered structures and improved electro-optical performance by doping POSS. <i>Composites Part B: Engineering</i> , 2019, 174, 107045.	12.0	18
35	Dissolved oxygen-assisted enhancing room temperature phosphorescence of palladium-porphyrin in micelle-hybridized supramolecular gels under UV irradiation. <i>Dyes and Pigments</i> , 2019, 170, 107654.	3.7	10
36	One-step preparation of multifunctional alginate microspheres loaded with <i>in situ</i> -formed gold nanostars as a photothermal agent. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2018-2024.	5.9	10

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37	Effect of Defects on the Mechanical and Thermal Properties of Graphene. <i>Nanomaterials</i> , 2019, 9, 347.	4.1	57
38	Visible Light Rewritable and Long-Lived Colors in Cholesteric Liquid Crystals: A Facile Co-Doping Strategy. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900037.	3.9	17
39	Concentration-dependent dye aggregation and disassembly triggered by the same artificial helical foldamer. <i>Polymer</i> , 2019, 170, 7-15.	3.8	11
40	Thermal and Photo Dual-Responsive Core-Shell Polymeric Nanocarriers with Encapsulation of Upconversion Nanoparticles for Controlled Anticancer Drug Release. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10658-10665.	3.1	22
41	Liquid Crystalline Nanocolloids for the Storage of Electro-Optic Responsive Images. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8612-8624.	8.0	25
42	Nondestructive investigation on the nanocomposite ordering upon holography using Mueller matrix ellipsometry. <i>European Polymer Journal</i> , 2019, 110, 123-129.	5.4	8
43	Photomodulated Morphologies in Halogen Bond-Driven Assembly during Gel-Sol Transition. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1800629.	3.9	19
44	Al ³⁺ enhanced room temperature phosphorescence of Pd-porphyrin resided in hybrid supramolecular gels and used for detection of trace Hg ²⁺ ions. <i>Talanta</i> , 2019, 194, 183-188.	5.5	7
45	Responsive Block Copolymer Photonic Microspheres. <i>Advanced Materials</i> , 2018, 30, e1707344.	21.0	102
46	Precisely Tuning Helical Twisting Power via Photoisomerization Kinetics of Dopants in Chiral Nematic Liquid Crystals. <i>Langmuir</i> , 2018, 34, 700-708.	3.5	21
47	Effect of defects on thermal conductivity of graphene/epoxy nanocomposites. <i>Carbon</i> , 2018, 130, 295-303.	10.3	122
48	Ultralow-Carbon Nanotube-Toughened Epoxy: The Critical Role of a Double-Layer Interface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1204-1216.	8.0	42
49	Chirality-Enabled Liquid Crystalline Physical Gels with High Modulus but Low Driving Voltage. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43184-43191.	8.0	13
50	Synthesis of Yolk-Shell Polymeric Nanocapsules Encapsulated with Monodispersed Upconversion Nanoparticle for Dual-Responsive Controlled Drug Release. <i>Macromolecules</i> , 2018, 51, 10074-10082.	4.8	27
51	Ultralight Layer-by-Layer Self-Assembled MoS ₂ -Polymer Modified Separator for Simultaneously Trapping Polysulfides and Suppressing Lithium Dendrites. <i>Advanced Energy Materials</i> , 2018, 8, 1802430.	19.5	170
52	Scalable Approach to Construct Self-Assembled Graphene-Based Films with An Ordered Structure for Thermal Management. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41690-41698.	8.0	32
53	Photomodulated Electro-optical Response in Self-Supporting Liquid Crystalline Physical Gels. <i>Langmuir</i> , 2018, 34, 7519-7526.	3.5	14
54	Relationship between polymerization kinetics and microstructure in reactive polymer blends: An Avrami-Erofeev study. <i>European Polymer Journal</i> , 2018, 106, 72-78.	5.4	6

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55	Robust multi-responsive supramolecular hydrogel based on a mono-component host-guest gelator. <i>Soft Matter</i> , 2018, 14, 5213-5221.	2.7	43
56	Liquid Crystals under Confinement in Submicrometer Capsules. <i>Langmuir</i> , 2018, 34, 10955-10963.	3.5	15
57	Photoinitiation and Inhibition under Monochromatic Green Light for Storage of Colored 3D Images in Holographic Polymer-Dispersed Liquid Crystals. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1810-1819.	8.0	69
58	Peanut-Like Crystals in Polycarbonate/Plasticizer Blends. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600471.	2.2	3
59	The effect of defects on the interfacial mechanical properties of graphene/epoxy composites. <i>RSC Advances</i> , 2017, 7, 46101-46108.	3.6	89
60	Well-structured holographic polymer dispersed liquid crystals by employing acrylamide and doping ZnS nanoparticles. <i>Materials Chemistry Frontiers</i> , 2017, 1, 294-303.	5.9	28
61	Reactive polycarbonate/diallyl phthalate blends with high optical transparency, good flowability and high mechanical properties. <i>Polymer</i> , 2016, 91, 89-97.	3.8	12
62	Self-Assembly of Shaped Nanoparticles into Free-Standing 2D and 3D Superlattices. <i>Small</i> , 2016, 12, 499-505.	10.0	28
63	Nano-silica enhanced liquid-crystalline composite gels. <i>Chinese Science Bulletin</i> , 2016, 61, 2155-2162.	0.7	1
64	Enhanced ion transport in polymer-ionic liquid electrolytes containing ionic liquid-functionalized nanostructured carbon materials. <i>Carbon</i> , 2015, 86, 86-97.	10.3	43
65	Insight into glass transition of cellulose based on direct thermal processing after plasticization by ionic liquid. <i>Cellulose</i> , 2015, 22, 89-99.	4.9	27
66	Amide group-containing polar solvents as ligands for iron-catalyzed atom transfer radical polymerization of methyl methacrylate. <i>RSC Advances</i> , 2015, 5, 43724-43732.	3.6	16
67	Photomechanically Controlled Encapsulation and Release from pH-Responsive and Photoresponsive Microcapsules. <i>Langmuir</i> , 2015, 31, 5456-5463.	3.5	29
68	3D Image Storage in Photopolymer/ZnS Nanocomposites Tailored by Photoinhibitor. <i>Macromolecules</i> , 2015, 48, 2958-2966.	4.8	59
69	Precise Localization of Inorganic Nanoparticles in Block Copolymer Micellar Aggregates: From Center to Interface. <i>Macromolecules</i> , 2015, 48, 256-263.	4.8	39
70	Iron-mediated AGET ATRP of methyl methacrylate in the presence of polar solvents as ligands. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1020-1027.	2.3	28
71	Concurrent Solution-Like Decoloration Rate and High Mechanical Strength from Polymer-Dispersed Photochromic Organogel. <i>Macromolecular Rapid Communications</i> , 2014, 35, 741-746.	3.9	11
72	Highly diffractive, reversibly fast responsive gratings formulated through holography. <i>RSC Advances</i> , 2014, 4, 4420-4426.	3.6	22

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73	Iron-catalyzed AGET ATRP of methyl methacrylate using an alcohol as a reducing agent in a polar solvent. Dalton Transactions, 2014, 43, 16528-16533.	3.3	25
74	Monochromatic Visible Light ϕ Photoinitiator ϕ Janus-Faced Initiation and Inhibition for Storage of Colored 3D Images. Journal of the American Chemical Society, 2014, 136, 8855-8858.	13.7	118
75	Gelled microporous polymer electrolyte with low liquid leakage for lithium-ion batteries. Journal of Membrane Science, 2014, 454, 298-304.	8.2	64
76	High modulus and low-voltage driving nematic liquid-crystalline physical gels for light-scattering displays. Soft Matter, 2013, 9, 7718.	2.7	35
77	Hierarchical Hybrids of Carbon Nanotubes in Amphiphilic Poly(ethylene oxide)- <i>block</i> -polyaniline through a Facile Method: From Smooth to Thorny. Langmuir, 2013, 29, 3757-3764.	3.5	20
78	Water-soluble graphene grafted by poly(sodium 4-styrenesulfonate) for enhancement of electric capacitance. Nanotechnology, 2012, 23, 475704.	2.6	41
79	Polymer ϕ inorganic hybrid microparticles with hierarchical structures formed by interfacial instabilities of emulsion droplets. Soft Matter, 2012, 8, 2697.	2.7	13
80	Robust polyazobenzene microcapsules with photoresponsive pore channels and tunable release profiles. European Polymer Journal, 2012, 48, 41-48.	5.4	25
81	Mesoporous Block Copolymer Nanoparticles with Tailored Structures by Hydrogen ϕ Bonding ϕ Assisted Self ϕ Assembly. Advanced Materials, 2012, 24, 1889-1893.	21.0	136
82	EFFECTS OF DIFFERENT ALCOHOLS ON PHOTOPOLYMERIZATION KINETICS, ELECTRO-OPTICAL PERFORMANCES OF POLYMER DISPERSED LIQUID CRYSTALS. Acta Polymerica Sinica, 2012, 012, 41-46.	0.0	4
83	Composition Effect on Interplay between Phase Separation and Dewetting in PMMA/SAN Blend Ultrathin Films. Macromolecules, 2011, 44, 5318-5325.	4.8	23
84	Synthesis and photo-responsive behaviors of hollow polyazobenzene micro-spheres. Science Bulletin, 2010, 55, 3441-3447.	1.7	10
85	Film Thickness Dependence of Phase Separation and Dewetting Behaviors in PMMA/SAN Blend Films. Langmuir, 2010, 26, 14530-14534.	3.5	23
86	Synthesis of Electroactive Tetraaniline ϕ PEO ϕ Tetraaniline Triblock Copolymer and Its Self-Assembled Vesicle with Acidity Response. Langmuir, 2010, 26, 9386-9392.	3.5	75
87	Composition effect on dewetting of ultrathin films of miscible polymer blend. Polymer, 2009, 50, 4745-4752.	3.8	22
88	Temperature dependence of surface composition and morphology in polymer blend film. Polymer, 2008, 49, 4456-4461.	3.8	33
89	Interfacial Entanglements between Glassy Polymers Investigated by Nanofractography with High-Resolution Scanning Electron Microscopy. Macromolecules, 2008, 41, 8063-8071.	4.8	24
90	Phase Behavior and Dewetting for Polymer Blend Films Studied by In Situ AFM and XPS: ϕ From Thin to Ultrathin Films. Langmuir, 2007, 23, 11107-11111.	3.5	19

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91	Interdiffusion at Homopolymer/Random Copolymer Interfaces Investigated by Energy-Filtering Transmission Electron Microscopy. <i>Macromolecules</i> , 2007, 40, 7966-7972.	4.8	38
92	Study of Adhesion and Fracture of Polymer Laminates by Imaging of Interfaces. <i>Macromolecular Rapid Communications</i> , 2007, 28, 915-921.	3.9	34
93	Reaction-induced phase decomposition of thermoset/thermoplastic blends investigated by energy filtering transmission electron microscopy. <i>Polymer</i> , 2007, 48, 3749-3758.	3.8	24
94	Mechanical and Dielectric Properties of a New Polymer Blend Composed of 1,2-Bis(vinylphenyl)ethane and Thermosetting Poly(phenylene ether) Copolymer Obtained from 2,6-Dimethylphenol and 2-Allyl-6-methylphenol. <i>Polymer Journal</i> , 2007, 39, 828-833.	2.7	19
95	Effect of metal nanoparticles on thermal stabilization of polymer/metal nanocomposites prepared by a one-step dry process. <i>Polymer</i> , 2006, 47, 7970-7979.	3.8	119
96	Dewetting and Phase Behaviors for Ultrathin Films of Polymer Blend. <i>Macromolecular Rapid Communications</i> , 2006, 27, 351-355.	3.9	27
97	Multiscale dewetting of triblock copolymer thin film induced by solvent vapor. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 2874-2884.	2.1	13
98	Kinetics of Surface Phase Separation for PMMA/SAN Thin Films Studied by in Situ Atomic Force Microscopy. <i>Macromolecules</i> , 2005, 38, 211-215.	4.8	29
99	Ring-Shaped Morphology of "Crew-Cut" Aggregates from ABA Amphiphilic Triblock Copolymer in a Dilute Solution. <i>Langmuir</i> , 2004, 20, 3809-3812.	3.5	112
100	Surface phase separations of PMMA/SAN blends investigated by atomic force microscopy. <i>Polymer</i> , 2003, 44, 4035-4045.	3.8	26