

Bao-Ping Lin

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112
papers

2,666
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27
h-index

47
g-index

115
ext. papers

3,154
ext. citations

4.8
avg, IF

5.47
L-index

#	Paper	IF	Citations
112	A plant tendril mimic soft actuator with phototunable bending and chiral twisting motion modes. <i>Nature Communications</i> , 2016 , 7, 13981	17.4	148
111	Near-Infrared Chromophore Functionalized Soft Actuator with Ultrafast Photoresponsive Speed and Superior Mechanical Property. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11333-11336	16.4	125
110	Enhanced dielectric properties of amino-modified-CNT/polyimide composite films with a sandwich structure. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14118	13	117
109	Carbon nanotubes@metal-organic frameworks as Mn-based symmetrical supercapacitor electrodes for enhanced charge storage. <i>RSC Advances</i> , 2015 , 5, 58100-58106	3.7	106
108	Interpenetrating Liquid-Crystal Polyurethane/Polyacrylate Elastomer with Ultrastrong Mechanical Property. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14364-14369	16.4	98
107	High-mobility low-bandgap conjugated copolymers based on indacenodithiophene and thiadiazolo[3,4-c]pyridine units for thin film transistor and photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13247		94
106	All-solid-state asymmetric supercapacitors based on ZnO quantum dots/carbon/CNT and porous N-doped carbon/CNT electrodes derived from a single ZIF-8/CNT template. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10282-10293	13	92
105	Visible and infrared three-wavelength modulated multi-directional actuators. <i>Nature Communications</i> , 2019 , 10, 4539	17.4	83
104	Multi-Stimuli Responsive Carbon Nanotube Incorporated Polysiloxane Azobenzene Liquid Crystalline Elastomer Composites. <i>Macromolecules</i> , 2016 , 49, 663-671	5.5	83
103	Self-Host Blue Dendrimer Comprised of Thermally Activated Delayed Fluorescence Core and Bipolar Dendrons for Efficient Solution-Processable Nondoped Electroluminescence. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7339-7346	9.5	72
102	Polysiloxane-Based Liquid Crystalline Polymers and Elastomers Prepared by Thiol-Ene Chemistry. <i>Macromolecules</i> , 2013 , 46, 3406-3416	5.5	71
101	Graphene-wrapped TiO ₂ nanofibers with effective interfacial coupling as ultrafast electron transfer bridges in novel photoanodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1060-1067	13	70
100	Near-infrared-responsive gold nanorod/liquid crystalline elastomer composites prepared by sequential thiol-click chemistry. <i>Chemical Communications</i> , 2015 , 51, 12126-9	5.8	68
99	Improved thin film morphology and bulk-heterojunction solar cell performance through systematic tuning of the surface energy of conjugated polymers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5587		68
98	Near-Infrared Responsive Liquid Crystalline Elastomers Containing Photothermal Conjugated Polymers. <i>Macromolecules</i> , 2016 , 49, 4023-4030	5.5	59
97	Self-host thermally activated delayed fluorescent dendrimers with flexible chains: an effective strategy for non-doped electroluminescent devices based on solution processing. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8810-8816	7.1	54
96	Photomodulated Tricolor-Changing Artificial Flowers. <i>Chemistry of Materials</i> , 2018 , 30, 8079-8088	9.6	53

95	A calamitic mesogenic near-infrared absorbing croconaine dye/liquid crystalline elastomer composite. <i>Chemical Science</i> , 2016 , 7, 4400-4406	9.4	50
94	Simple aggregation-induced delayed fluorescence materials based on anthraquinone derivatives for highly efficient solution-processed red OLEDs. <i>Journal of Luminescence</i> , 2017 , 187, 414-420	3.8	39
93	Long-term-stable, solution-processable, electrochromic carbon nanotubes/polymer composite for smart supercapacitor with wide working potential window. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18994-19003	13	39
92	Advanced flower-like Co ₃ O ₄ with ultrathin nanosheets and 3D rGO aerogels as double ion-buffering reservoirs for asymmetric supercapacitors. <i>Electrochimica Acta</i> , 2018 , 271, 379-387	6.7	36
91	Aggregation-Induced Emission Luminogen-Functionalized Liquid Crystal Elastomer Soft Actuators. <i>Macromolecules</i> , 2018 , 51, 4516-4524	5.5	34
90	Thermo-sensitive electrospun fibers prepared by a sequential thiol-ene click chemistry approach. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 4182-4190	2.5	34
89	Comparison of the Optical and Electrochemical Properties of Bi(perylene diimide)s Linked through Ortho and Bay Positions. <i>ACS Omega</i> , 2017 , 2, 377-385	3.9	33
88	A room-temperature two-stage thiol-ene photoaddition approach towards monodomain liquid crystalline elastomers. <i>Polymer Chemistry</i> , 2017 , 8, 1364-1370	4.9	29
87	Luminescent liquid crystals bearing an aggregation-induced emission active tetraphenylthiophene fluorophore. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4828-4837	7.1	29
86	Homeotropically-aligned main-chain and side-on liquid crystalline elastomer films with high anisotropic thermal conductivities. <i>Chemical Communications</i> , 2016 , 52, 4313-6	5.8	29
85	Comparison of 3D non-fullerene acceptors for organic photovoltaics based on naphthalene diimide and perylene diimide-substituted 9,9'-bifluorenylidene. <i>RSC Advances</i> , 2016 , 6, 70493-70500	3.7	26
84	Photo-responsive polysiloxane-based azobenzene liquid crystalline polymers prepared by thiol-ene click chemistry. <i>Liquid Crystals</i> , 2016 , 43, 1626-1635	2.3	25
83	Synthesis of sandwich-like porous nanostructure of Co ₃ O ₄ -rGO for flexible all-solid-state high-performance asymmetric supercapacitors. <i>Materials Today Energy</i> , 2019 , 13, 342-352	7	25
82	Bicolour electroluminescence of 2-(carbazol-9-yl)anthraquinone based on a solution process. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12031-12034	7.1	25
81	Single-layer dual-phase nematic elastomer films with bending, accordion-folding, curling and buckling motions. <i>Chemical Communications</i> , 2017 , 53, 1844-1847	5.8	24
80	A cut-and-paste strategy towards liquid crystal elastomers with complex shape morphing. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8251-8257	7.1	24
79	Mesogen-jacketed liquid crystalline polymers and elastomers bearing polynorbornene backbone. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1482	7.1	24
78	Photocontrol of helix handedness in curled liquid crystal elastomers. <i>Liquid Crystals</i> , 2019 , 46, 1231-1240.	2.3	23

77	Synthesis and properties of UV-curable hyperbranched polyurethane acrylate oligomers containing photoinitiator. <i>Polymer Bulletin</i> , 2012 , 68, 729-743	2.4	22
76	Twisted ladder-like donor-acceptor polymers as electrode materials for flexible electrochromic supercapacitors. <i>Electrochimica Acta</i> , 2020 , 333, 135495	6.7	22
75	A homeotropic main-chain tolane-type liquid crystal elastomer film exhibiting high anisotropic thermal conductivity. <i>Soft Matter</i> , 2017 , 13, 5463-5468	3.6	21
74	Comparative study of silicon-containing polyimides from different oxydianilines. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 2363-2367	2.9	21
73	Fabrication and enhanced dielectric properties of polyimide matrix composites with core-shell structured CaCu ₃ Ti ₄ O ₁₂ @TiO ₂ nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 7842-7850	2.1	20
72	Improved bulk-heterojunction polymer solar cell performance through optimization of the linker group in donor-acceptor conjugated polymer. <i>Polymer</i> , 2012 , 53, 1535-1542	3.9	20
71	Synthesis and properties of UV-curable hyperbranched polyurethane acrylate oligomers containing carboxyl groups. <i>Polymer Bulletin</i> , 2012 , 68, 1009-1022	2.4	19
70	Organocatalysis in polysiloxane gels: a magnetic-stir-bar encapsulated catalyst system prepared by thiol-ene photo-click immobilization. <i>RSC Advances</i> , 2015 , 5, 7304-7310	3.7	18
69	Preparation and Properties of Cyano-Containing Polyimide Films Based on 2,6-Bis(4-aminophenoxy)-benzonitrile. <i>Polymer Bulletin</i> , 2007 , 59, 243-250	2.4	18
68	Peanut bran derived hierarchical porous carbon for supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 6361-6368	2.1	17
67	High-performance double ion-buffering reservoirs of asymmetric supercapacitors based on flower-like CoO-G>N-PEGm microspheres and 3D rGO-CNT>N-PEGm aerogels. <i>Nanoscale</i> , 2018 , 10, 17293-17303	3.7	17
66	Hydrogen-bonding induced melamine-core supramolecular discotic liquid crystals. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9165-9173	7.1	17
65	Solution processable low bandgap thienoisindigo-based small molecules for organic electronic devices. <i>RSC Advances</i> , 2015 , 5, 50098-50104	3.7	17
64	Synthesis of UV-curable hyperbranched polyurethane (meth)acrylate oligomers via thiol-ene click chemistry. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 4261-4270	2.9	17
63	Novel low-dielectric-constant copolyimide thin films composed with SiO ₂ hollow spheres. <i>Journal of Applied Polymer Science</i> , 2011 , 120, 1133-1137	2.9	17
62	Side chain liquid crystalline polymers with an optically active polynorbornene backbone and achiral mesogenic side groups. <i>Polymer Chemistry</i> , 2015 , 6, 5281-5287	4.9	16
61	Side-on main-chain liquid crystalline polymers prepared by acyclic diene metathesis polymerization and thiol-ene click step-growth polymerization. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 1086-1098	2.5	15
60	Enhanced Photocatalytic Activity of Titanium Dioxide Supported on Hexagonal Mesoporous Silica at Lower Coverage. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999 , 35, 11-21		15

59	Synthesis of ternary graphene/molybdenum oxide/poly(p-phenylenediamine) nanocomposites for symmetric supercapacitors. <i>RSC Advances</i> , 2015 , 5, 98278-98287	3.7	13
58	Constructing a Novel Dendron for a Self-Host Blue Emitter with Thermally Activated Delayed Fluorescence: Solution-Processed Nondoped Organic Light-Emitting Diodes with Bipolar Charge Transfer and Stable Color Purity. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 216-223	4.5	12
57	Side chain engineering and conjugation enhancement of benzodithiophene and phenanthrenequinioxaline based conjugated polymers for photovoltaic devices. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 1915-1926	2.5	12
56	Nitrogen and oxygen co-doped porous carbon for high performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 3340-3347	2.1	12
55	Physically and chemically dual-crosslinked hydrogels with superior mechanical properties and self-healing behavior. <i>New Journal of Chemistry</i> , 2020 , 44, 9903-9911	3.6	11
54	Generation of liquid crystallinity from a Td-symmetry central unit. <i>Soft Matter</i> , 2016 , 12, 6148-56	3.6	11
53	Preparation and properties of polyimides based on bis[3,5-dimethyl-4-(4-aminophenoxy)phenyl]methane. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 1265-1270	2.9	11
52	Solution-processable, hypercrosslinked polymer via post-crosslinking for electrochromic supercapacitor with outstanding electrochemical stability. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 215, 110661	6.4	10
51	Surface-Functionalized Graphite as Long Cycle Life Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020 , 7, 1465-1472	4.3	10
50	Gradual Outside-inside strategy in construction of 3D flower-like Co ₃ O ₄ -CNT-PEG hierarchical microspheres for supercapacitors. <i>Materials Today Energy</i> , 2018 , 9, 27-38	7	10
49	Polysiloxane side-chain liquid crystalline polymers prepared by alkyne hydrosilylation. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 1431-1441	3.5	9
48	A room-temperature heptazine core discotic liquid crystal. <i>Liquid Crystals</i> , 2017 , 44, 2175-2183	2.3	9
47	High-performance asymmetric supercapacitors of advanced double ion-buffering reservoirs based on battery-type hierarchical flower-like Co ₃ O ₄ -GC microspheres and 3D holey graphene aerogels. <i>Electrochimica Acta</i> , 2021 , 365, 137334	6.7	9
46	Hydrothermal synthesis of Ni-doped hierarchically porous carbon monoliths for hydrogen storage. <i>Journal of Porous Materials</i> , 2015 , 22, 1417-1422	2.4	8
45	Magnetically-separable hierarchically porous carbon monoliths with partially graphitized structures as excellent adsorbents for dyes. <i>Journal of Porous Materials</i> , 2014 , 21, 933-938	2.4	8
44	Dramatic enhancement of carbon nanotube dispersion in polyimide composites by a two-step amino functionalization approach. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3449-3457	2.5	8
43	Systematic structure modification of a low bandgap conjugated polymer improves thin film morphology and photovoltaic performance by incorporating naphthalene into side chains. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7669-7676	7.1	7
42	An entropy-driven ring-opening metathesis polymerization approach towards main-chain liquid crystalline polymers. <i>Polymer Chemistry</i> , 2016 , 7, 5265-5272	4.9	7

41	Solution-processable small molecule semiconductors based on pyrene-fused bisimidazole and influence of alkyl side-chain on the charge transport. <i>RSC Advances</i> , 2016 , 6, 69277-69281	3.7	7
40	Photoelectric efficiency enhancement of a polycrystalline silicon solar cell coated with an EVA film containing Eu ³⁺ complex by addition of modified SiO ₂ . <i>RSC Advances</i> , 2016 , 6, 110409-110415	3.7	7
39	Poly[(side-on mesogen)-alt-(end-on mesogen)]: A Compromised Molecular Arrangement. <i>Macromolecules</i> , 2019 , 52, 5791-5800	5.5	7
38	Preparation and sintering properties in air of silver-coated copper powders and pastes. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4913-4918	2.1	7
37	Synthesis of novel poly(ester amine) dendrimers by Michael addition and acrylate esterification. <i>Designed Monomers and Polymers</i> , 2013 , 16, 67-71	3.1	7
36	Nonfluorinated copolymerized polyimide thin films with ultralow dielectric constants. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 1515-1519	2.9	7
35	Poly(vinyl benzoate)-backbone mesogen-jacketed liquid crystalline polymers. <i>Polymer Chemistry</i> , 2015 , 6, 6709-6719	4.9	6
34	A copper(I)-catalyzed azide-alkyne click chemistry approach towards multifunctional two-way shape-memory actuators. <i>Polymer Chemistry</i> , 2020 , 11, 3747-3755	4.9	6
33	Alkaline aqueous rechargeable Ni-Fe batteries with high-performance based on flower-like hierarchical NiCo ₂ O ₄ microspheres and vines-grapes-like Fe ₃ O ₄ -NGC composites. <i>Applied Surface Science</i> , 2021 , 563, 150411	6.7	6
32	The influence of molecular weight of siloxane macromere on phase separation morphology, oxygen permeability, and mechanical properties in multicomponent silicone hydrogels. <i>Colloid and Polymer Science</i> , 2017 , 295, 205-213	2.4	5
31	The influences of poly (ethylene glycol) chain length on hydrophilicity, oxygen permeability, and mechanical properties of multicomponent silicone hydrogels. <i>Colloid and Polymer Science</i> , 2019 , 297, 1233-1243	2.4	5
30	A new method to make polymers with flexible main chains and photoelectric pendants for organic semiconductors. <i>Polymer Chemistry</i> , 2013 , 4, 4245	4.9	5
29	Synthesis and Properties of Triphenodioxazine-Based Conjugated Polymers for Polymer Solar Cells. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 3689-3698	3.2	4
28	Novel crosslinked lyotropic liquid crystal materials based on acrylate-type gemini ammonium surfactant. <i>Liquid Crystals</i> , 2015 , 42, 520-529	2.3	4
27	Hierarchically porous graphitic carbon monoliths containing nickel nanoparticles as magnetically separable adsorbents for dyes. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	4
26	Indeno[1,2-b]fluorene-based novel donor-acceptor conjugated copolymers: Electron acceptor engineering and polymer backbone planarization. <i>High Performance Polymers</i> , 2018 , 30, 192-201	1.6	4
25	Amphiphilic Diblock Co-polymers Bearing a Cysteine Junction Group: Synthesis, Encapsulation of Inorganic Nanoparticles, and Near-Infrared Photoresponsive Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 18197-18207	4.8	4
24	Effect of absorption to nanopore on optical properties of conjugated polymers in porous anode alumina. <i>Journal of Applied Physics</i> , 2011 , 109, 044309-044309-5	2.5	4

23	Study on the influence of crosslinking density and free polysiloxan chain length on oxygen permeability and hydrophilicity of multicomponent silicone hydrogels. <i>Colloid and Polymer Science</i> , 2021 , 299, 1327-1335	2.4	4
22	Oligodeoxynucleosides with Olefin Bridges. <i>Macromolecules</i> , 2019 , 52, 649-659	5.5	4
21	Ionic crosslinked polymer as protective layer in electrochromic supercapacitors for improved electrochemical stability and ion transmission performance. <i>Electrochimica Acta</i> , 2021 , 365, 137373	6.7	4
20	A sulfur(VI) fluoride exchange click chemistry approach towards main chain liquid crystal polymers bearing sulfate ester groups. <i>Polymer Chemistry</i> , 2019 , 10, 3657-3664	4.9	3
19	Novel ternary composite reduced-graphene oxide/WO ₃ /poly(p-phenylenediamine) and its electrochemical performance for energy storage. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9312-9320	2.1	3
18	Phenoxazine-Based Conjugated Ladder Polymers as Novel Electrode Materials for Supercapacitors. <i>ChemElectroChem</i> , 2016 , 3, 1837-1846	4.3	3
17	Influence of curing temperature on properties of the polyacrylonitrile/polyimide composite films. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	3
16	Synthesis, photophysical properties and microphase separation of all-conjugated diblock copolymers with hydrophilic side chains. <i>Polymer International</i> , 2013 , 62, 204-209	3.3	3
15	Preparation, characterization and application of EVA film containing Eu ³⁺ complex with 1-tridecanecarboxylic acid ligand. <i>Materials Research Express</i> , 2017 , 4, 116202	1.7	3
14	One-pot synthesis of photosensitive dendrimer-like polystyrenes from simultaneous copper(I)-catalyzed azide-alkyne cycloaddition and atom transfer radical polymerization. <i>Polymer International</i> , 2012 , 61, 749-759	3.3	3
13	Band-gap-dependent emissions from conjugated polymers coupled silver nanoparticle array. <i>Applied Physics Letters</i> , 2011 , 99, 233112	3.4	3
12	Design, synthesis, and photosensitive performance of polymethacrylate-positive photoresist-bearing o-nitrobenzyl group. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	2
11	Thienoisindigo-Based Polymers Bearing Diethynylbenzene and Diethynylanthracene Units for Thin Film Transistors and Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 5534-5541	1.3	2
10	Synthesis and characterization of methacrylate matrix resin bearing o-nitrobenzyl group. <i>Journal of Central South University</i> , 2015 , 22, 3296-3301	2.1	2
9	Modulating emission from acceptor in donor-acceptor diblock copolymers by plasmon resonance energy transfer. <i>Journal of Applied Physics</i> , 2011 , 110, 114319	2.5	2
8	Functionalization of side chain terminals with fused aromatic rings in carbazole-ketopyrrolopyrrole based conjugated polymers for improved charge transport properties. <i>RSC Advances</i> , 2016 , 6, 97783-97790	3.7	2
7	Yolk-shell silicon/carbon composites prepared from aluminum-silicon alloy as anode materials for lithium-ion batteries. <i>Ionics</i> , 2021 , 27, 1939-1948	2.7	2
6	Thiol-ene photoimmobilization of chymotrypsin on polysiloxane gels for enzymatic peptide synthesis.. <i>RSC Advances</i> , 2018 , 8, 11843-11849	3.7	1

- 5 Colloidal synthesis of wurtzite Cu₂FeSnS₄ nanocrystals **2012**, 1
- 4 1,3,6,8-Pyrenetetrasulfonic acid anchored doping to prepare solution-processable polyaniline for electrochromic supercapacitors. *New Journal of Chemistry*, **2021**, 45, 8786-8794 3.6 1
- 3 Fabrication and enhanced dielectric constant of nanocomposite films based on polyimide and core-shell structured Al₂O₃@0.4mol%Nb-(Ba_{0.87}Sr_{0.04}Ca_{0.09})(Ti_{0.86}Zr_{0.08}Sn_{0.06})O₃ nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 14391-14404 2.1
- 2 A simple theoretical approach to the band gaps of conjugated polymers. *Molecular Simulation*, **2013**, 39, 1022-1033 2
- 1 Enhanced emission from the acceptor in all-conjugated diblock copolymers due to spatial effect of nanopores. *Journal of Applied Physics*, **2011**, 110, 104304 2.5