

Ying Sun

List of Publications by Year in descending order

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papers

2,083
citations

279701

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docs citations

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times ranked

2935
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Polymer Solar Cells Based on the Copolymers of Benzodithiophene and Thienopyrroledione. <i>Chemistry of Materials</i> , 2010, 22, 2696-2698.	3.2	346
2	Carbon nanotubes@metal-organic frameworks as Mn-based symmetrical supercapacitor electrodes for enhanced charge storage. <i>RSC Advances</i> , 2015, 5, 58100-58106.	1.7	152
3	Enhanced dielectric properties of amino-modified-CNT/polyimide composite films with a sandwich structure. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14118.	5.2	148
4	Conjugated polymers based on C, Si and N-bridged dithiophene and thienopyrroledione units: synthesis, field-effect transistors and bulk heterojunction polymer solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 3895.	6.7	110
5	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.	5.2	109
6	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.	6.7	102
7	Polysiloxane-Based Liquid Crystalline Polymers and Elastomers Prepared by Thiol-Ene Chemistry. <i>Macromolecules</i> , 2013, 46, 3406-3416.	2.2	88
8	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.	6.7	73
9	A calamitic mesogenic near-infrared absorbing croconaine dye/liquid crystalline elastomer composite. <i>Chemical Science</i> , 2016, 7, 4400-4406.	3.7	61
10	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.	5.2	55
11	Aggregation-Induced Emission Luminogen-Functionalized Liquid Crystal Elastomer Soft Actuators. <i>Macromolecules</i> , 2018, 51, 4516-4524.	2.2	54
12	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.	2.6	48
13	Twisted ladder-like donor-acceptor polymers as electrode materials for flexible electrochromic supercapacitors. <i>Electrochimica Acta</i> , 2020, 333, 135495.	2.6	45
14	A room-temperature two-stage thiol-ene photoaddition approach towards monodomain liquid crystalline elastomers. <i>Polymer Chemistry</i> , 2017, 8, 1364-1370.	1.9	43
15	Homeotropically-aligned main-chain and side-on liquid crystalline elastomer films with high anisotropic thermal conductivities. <i>Chemical Communications</i> , 2016, 52, 4313-4316.	2.2	41
16	Luminescent liquid crystals bearing an aggregation-induced emission active tetraphenylthiophene fluorophore. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4828-4837.	2.7	41
17	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.	2.5	39
18	Single-layer dual-phase nematic elastomer films with bending, accordion-folding, curling and buckling motions. <i>Chemical Communications</i> , 2017, 53, 1844-1847.	2.2	30

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19	Photo-responsive polysiloxane-based azobenzene liquid crystalline polymers prepared by thiol-ene click chemistry. <i>Liquid Crystals</i> , 2016, 43, 1626-1635.	0.9	28
20	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.	1.1	28
21	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.	3.0	28
22	Mesogen-jacketed liquid crystalline polymers and elastomers bearing polynorbornene backbone. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1482.	2.7	27
23	High-performance double ion-buffering reservoirs of asymmetric supercapacitors based on flower-like Co ₃ O ₄ -G&N-PEGm microspheres and 3D rGO-CNT&N-PEGm aerogels. <i>Nanoscale</i> , 2018, 10, 17293-17303.	2.8	26
24	Synthesis of ternary graphene/molybdenum oxide/poly(p-phenylenediamine) nanocomposites for symmetric supercapacitors. <i>RSC Advances</i> , 2015, 5, 98278-98287.	1.7	23
25	Physically and chemically dual-crosslinked hydrogels with superior mechanical properties and self-healing behavior. <i>New Journal of Chemistry</i> , 2020, 44, 9903-9911.	1.4	23
26	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.	2.6	19
27	Side chain liquid crystalline polymers with an optically active polynorbornene backbone and achiral mesogenic side groups. <i>Polymer Chemistry</i> , 2015, 6, 5281-5287.	1.9	18
28	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.	1.7	18
29	Solution processable low bandgap thienoisindigo-based small molecules for organic electronic devices. <i>RSC Advances</i> , 2015, 5, 50098-50104.	1.7	17
30	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.	3.1	17
31	Side-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	16
32	Side chain engineering and conjugation enhancement of benzodithiophene and phenanthrenequinoxaline based conjugated polymers for photovoltaic devices. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1915-1926.	2.5	16
33	Gradual OH-incursion-outside-inside strategy in construction of 3D flower-like Co ₃ O ₄ -CNT&N-PEGm hierarchical microspheres for supercapacitors. <i>Materials Today Energy</i> , 2018, 9, 27-38.	2.5	15
34	Polysiloxane side-chain liquid crystalline polymers prepared by alkyne hydrosilylation. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 1431-1441.	2.0	12
35	An entropy-driven ring-opening metathesis polymerization approach towards main-chain liquid crystalline polymers. <i>Polymer Chemistry</i> , 2016, 7, 5265-5272.	1.9	12
36	Hydrothermal synthesis of Ni-doped hierarchically porous carbon monoliths for hydrogen storage. <i>Journal of Porous Materials</i> , 2015, 22, 1417-1422.	1.3	11

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37	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.	1.1	10
38	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	10
39	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.	1.3	9
40	Ionic crosslinked polymer as protective layer in electrochromic supercapacitors for improved electrochemical stability and ion transmission performance. <i>Electrochimica Acta</i> , 2021, 365, 137373.	2.6	9
41	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.	1.0	8
42	Synthesis and Properties of Triphenodioxazine-Based Conjugated Polymers for Polymer Solar Cells. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3689-3698.	1.2	8
43	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.	1.0	8
44	Preparation and application of a conjugated electrochromic flexible electrode with side chain carbazole active groups in supercapacitors. <i>New Journal of Chemistry</i> , 2021, 45, 18472-18481.	1.4	8
45	Electrode materials for flexible supercapacitor with real-time visual monitoring of potential. <i>Chemical Engineering Journal</i> , 2022, 446, 137330.	6.6	8
46	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.	2.7	7
47	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.	1.7	7
48	Oligodeoxynucleosides with Olefin Bridges. <i>Macromolecules</i> , 2019, 52, 649-659.	2.2	7
49	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.	1.0	7
50	Hierarchically porous graphitic carbon monoliths containing nickel nanoparticles as magnetically separable adsorbents for dyes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
51	A new method to make polymers with flexible main chains and photoelectric pendants for organic semiconductors. <i>Polymer Chemistry</i> , 2013, 4, 4245.	1.9	5
52	Novel crosslinked lyotropic liquid crystal materials based on acrylate-type gemini ammonium surfactant. <i>Liquid Crystals</i> , 2015, 42, 520-529.	0.9	5
53	Phenoxazine-Based Conjugated Ladder Polymers as Novel Electrode Materials for Supercapacitors. <i>ChemElectroChem</i> , 2016, 3, 1837-1846.	1.7	5
54	A novel p/n-dopable electrochromic electrode material based on P(TPACz)/WO ₃ coralloid porous nanocomposite. <i>Journal of Alloys and Compounds</i> , 2022, 922, 166195.	2.8	5

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55	Influence of curing temperature on properties of the polyacrylonitrile/polyimide composite films. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	4
56	1,3,6,8-Pyrenetetrasulfonic acid anchored doping to prepare solution-processable polyaniline for electrochromic supercapacitors. <i>New Journal of Chemistry</i> , 2021, 45, 8786-8794.	1.4	4
57	Functionalization of side chain terminals with fused aromatic rings in carbazole-diketopyrrolopyrrole based conjugated polymers for improved charge transport properties. <i>RSC Advances</i> , 2016, 6, 97783-97790.	1.7	2
58	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.	0.9	2
59	A simple theoretical approach to the band gaps of conjugated polymers. <i>Molecular Simulation</i> , 2013, 39, 1022-1033.	0.9	0
60	Fabrication and enhanced dielectric constant of nanocomposite films based on polyimide and core-shell structured $\text{Al}_2\text{O}_3@0.4\text{mol}\%\text{Nb}-(\text{Ba}_{0.87}\text{Sr}_{0.04}\text{Ca}_{0.09})(\text{Ti}_{0.86}\text{Zr}_{0.08}\text{Sn}_{0.06})\text{O}_3$ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14391-14404.	1.1	0
61	An "inverted load" strategy to fabricate interface-optimized flexible electrodes with superior electrochemical performance and ultrastability. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11128-11137.	2.7	0