Ying Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2977699/publications.pdf

Version: 2024-02-01

61 papers	2,083 citations	279701 23 h-index	233338 45 g-index
61 all docs	61 docs citations	61 times ranked	2935 citing authors

#	Article	IF	Citations
1	Electrode materials for flexible supercapacitor with real-time visual monitoring of potential. Chemical Engineering Journal, 2022, 446, 137330.	6.6	8
2	A novel p/n-dopable electrochromic electrode material based on P(TPACz)/WO3 coralloid porous nanocomposite. Journal of Alloys and Compounds, 2022, 922, 166195.	2.8	5
3	Ionic crosslinked polymer as protective layer in electrochromic supercapacitors for improved electrochemical stability and ion transmission performance. Electrochimica Acta, 2021, 365, 137373.	2.6	9
4	High-performance asymmetric supercapacitors of advanced double ion-buffering reservoirs based on battery-type hierarchical flower-like Co3O4-GC microspheres and 3D holey graphene aerogels. Electrochimica Acta, 2021, 365, 137334.	2.6	19
5	1,3,6,8-Pyrenetetrasulfonic acid anchored doping to prepare solution-processable polyaniline for electrochromic supercapacitors. New Journal of Chemistry, 2021, 45, 8786-8794.	1.4	4
6	Preparation and application of a Dâ€“A conjugated electrochromic flexible electrode with side chain carbazole active groups in supercapacitors. New Journal of Chemistry, 2021, 45, 18472-18481.	1.4	8
7	Study on the influence of crosslinking density and free polysiloxan chain length on oxygen permeability and hydrophilicity of multicomponent silicone hydrogels. Colloid and Polymer Science, 2021, 299, 1327-1335.	1.0	7
8	Alkaline aqueous rechargeable Ni-Fe batteries with high-performance based on flower-like hierarchical NiCo2O4 microspheres and vines-grapes-like Fe3O4-NGC composites. Applied Surface Science, 2021, 563, 150411.	3.1	17
9	Twisted ladder-like donor-acceptor polymers as electrode materials for flexible electrochromic supercapacitors. Electrochimica Acta, 2020, 333, 135495.	2.6	45
10	Physically and chemically dual-crosslinked hydrogels with superior mechanical properties and self-healing behavior. New Journal of Chemistry, 2020, 44, 9903-9911.	1.4	23
11	Solution-processable, hypercrosslinked polymer via post-crosslinking for electrochromic supercapacitor with outstanding electrochemical stability. Solar Energy Materials and Solar Cells, 2020, 215, 110661.	3.0	28
12	An â€œinverted loadâ€•strategy to fabricate interface-optimized flexible electrodes with superior electrochemical performance and ultrastability. Journal of Materials Chemistry C, 2020, 8, 11128-11137.	2.7	0
13	Fabrication and enhanced dielectric constant of nanocomposite films based on polyimide and coreâ€“shell structured Al2O3@0.4mol%Nb-(Ba0.87Sr0.04Ca0.09)(Ti0.86Zr0.08Sn0.06)O3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 14391-14404.	1.1	0
14	The influences of poly (ethylene glycol) chain length on hydrophilicity, oxygen permeability, and mechanical properties of multicomponent silicone hydrogels. Colloid and Polymer Science, 2019, 297, 1233-1243.	1.0	8
15	Synthesis of sandwich-like porous nanostructure of Co3O4-rGO for flexible all-solid-state high-performance asymmetric supercapacitors. Materials Today Energy, 2019, 13, 342-352.	2.5	39
16	Luminescent liquid crystals bearing an aggregation-induced emission active tetraphenylthiophene fluorophore. Journal of Materials Chemistry C, 2019, 7, 4828-4837.	2.7	41
17	Oligodeoxynucleosides with Olefin Bridges. Macromolecules, 2019, 52, 649-659.	2.2	7
18	Fabrication and enhanced dielectric properties of polyimide matrix composites with coreâ€“shell structured CaCu3Ti4O12@TiO2 nanofibers. Journal of Materials Science: Materials in Electronics, 2018, 29, 7842-7850.	1.1	28

#	Article	IF	Citations
19	Advanced flower-like Co3O4 with ultrathin nanosheets and 3D rGO aerogels as double ion-buffering reservoirs for asymmetric supercapacitors. Electrochimica Acta, 2018, 271, 379-387.	2.6	48
20	Long-term-stable, solution-processable, electrochromic carbon nanotubes/polymer composite for smart supercapacitor with wide working potential window. Journal of Materials Chemistry A, 2018, 6, 18994-19003.	5.2	55
21	Gradual â€œOHâ€™-incursionâ€•outside-inside strategy in construction of 3D flower-like Co3O4-CNT>N-PEGm hierarchical microspheres for supercapacitors. Materials Today Energy, 2018, 9, 27-38.	2.5	15
22	Thienoisoindigo-Based Polymers Bearing Diethynylbenzene and Diethynylanthracene Units for Thin Film Transistors and Solar Cells. Journal of Nanoscience and Nanotechnology, 2018, 18, 5534-5541.	0.9	2
23	High-performance double ion-buffering reservoirs of asymmetric supercapacitors based on flower-like Co₃O₄-G>N-PEGm microspheres and 3D rGO-CNT>N-PEGm aerogels. Nanoscale, 2018, 10, 17293-17303.	2.8	26
24	Aggregation-Induced Emission Luminogen-Functionalized Liquid Crystal Elastomer Soft Actuators. Macromolecules, 2018, 51, 4516-4524.	2.2	54
25	A room-temperature two-stage thiolâ€“ene photoaddition approach towards monodomain liquid crystalline elastomers. Polymer Chemistry, 2017, 8, 1364-1370.	1.9	43
26	Single-layer dual-phase nematic elastomer films with bending, accordion-folding, curling and buckling motions. Chemical Communications, 2017, 53, 1844-1847.	2.2	30
27	The influence of molecular weight of siloxane macromere on phase separation morphology, oxygen permeability, and mechanical properties in multicomponent silicone hydrogels. Colloid and Polymer Science, 2017, 295, 205-213.	1.0	8
28	Synthesis and Properties of Triphenodioxazineâ€Based Conjugated Polymers for Polymer Solar Cells. European Journal of Organic Chemistry, 2017, 2017, 3689-3698.	1.2	8
29	A calamitic mesogenic near-infrared absorbing croconaine dye/liquid crystalline elastomer composite. Chemical Science, 2016, 7, 4400-4406.	3.7	61
30	Functionalization of side chain terminals with fused aromatic rings in carbazoleâ€“diketopyrrolopyrrole based conjugated polymers for improved charge transport properties. RSC Advances, 2016, 6, 97783-97790.	1.7	2
31	Phenoxazineâ€Based Conjugated Ladder Polymers as Novel Electrode Materials for Supercapacitors. ChemElectroChem, 2016, 3, 1837-1846.	1.7	5
32	An entropy-driven ring-opening metathesis polymerization approach towards main-chain liquid crystalline polymers. Polymer Chemistry, 2016, 7, 5265-5272.	1.9	12
33	Solution-processable small molecule semiconductors based on pyrene-fused bisimidazole and influence of alkyl side-chain on the charge transport. RSC Advances, 2016, 6, 69277-69281.	1.7	7
34	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. Journal of Materials Chemistry A, 2016, 4, 10282-10293.	5.2	109
35	Photo-responsive polysiloxane-based azobenzene liquid crystalline polymers prepared by thiol-ene click chemistry. Liquid Crystals, 2016, 43, 1626-1635.	0.9	28
36	Homeotropically-aligned main-chain and side-on liquid crystalline elastomer films with high anisotropic thermal conductivities. Chemical Communications, 2016, 52, 4313-4316.	2.2	41

#	Article	IF	Citations
37	Side chain engineering and conjugation enhancement of benzodithiophene and phenanthrenequnioxaline based conjugated polymers for photovoltaic devices. Journal of Polymer Science Part A, 2015, 53, 1915-1926.	2.5	16
38	Solution processable low bandgap thienoisoindigo-based small molecules for organic electronic devices. RSC Advances, 2015, 5, 50098-50104.	1.7	17
39	Hydrothermal synthesis of Ni-doped hierarchically porous carbon monoliths for hydrogen storage. Journal of Porous Materials, 2015, 22, 1417-1422.	1.3	11
40	Side chain liquid crystalline polymers with an optically active polynorbornene backbone and achiral mesogenic side groups. Polymer Chemistry, 2015, 6, 5281-5287.	1.9	18
41	Systematic structure modification of a low bandgap conjugated polymer improves thin film morphology and photovoltaic performance by incorporating naphthalene into side chains. Journal of Materials Chemistry C, 2015, 3, 7669-7676.	2.7	7
42	Carbon nanotubes@metalâ€“organic frameworks as Mn-based symmetrical supercapacitor electrodes for enhanced charge storage. RSC Advances, 2015, 5, 58100-58106.	1.7	152
43	Novel crosslinked lyotropic liquid crystal materials based on acrylate-type gemini ammonium surfactant. Liquid Crystals, 2015, 42, 520-529.	0.9	5
44	Polysiloxane side-chain liquid crystalline polymers prepared by alkyne hydrosilylation. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1431-1441.	2.0	12
45	Synthesis of ternary graphene/molybdenum oxide/poly(p-phenylenediamine) nanocomposites for symmetric supercapacitors. RSC Advances, 2015, 5, 98278-98287.	1.7	23
46	Organocatalysis in polysiloxane gels: a magnetic-stir-bar encapsulated catalyst system prepared by thiolâ€“ene photo-click immobilization. RSC Advances, 2015, 5, 7304-7310.	1.7	18
47	Hierarchically porous graphitic carbon monoliths containing nickel nanoparticles as magnetically separable adsorbents for dyes. Journal of Applied Polymer Science, 2015, 132, .	1.3	6
48	Sideâ€on mainâ€chain liquid crystalline polymers prepared by acyclic diene metathesis polymerization and thiolâ€ene click stepâ€growth polymerization. Journal of Polymer Science Part A, 2014, 52, 1086-1098.	2.5	16
49	Magnetically-separable hierarchically porous carbon monoliths with partially graphitized structures as excellent adsorbents for dyes. Journal of Porous Materials, 2014, 21, 933-938.	1.3	9
50	Enhanced dielectric properties of amino-modified-CNT/polyimide composite films with a sandwich structure. Journal of Materials Chemistry A, 2014, 2, 14118.	5.2	148
51	Influence of curing temperature on properties of the polyacrylonitrile/polyimide composite films. Journal of Applied Polymer Science, 2014, 131, .	1.3	4
52	A new method to make polymers with flexible main chains and photoelectric pendants for organic semiconductors. Polymer Chemistry, 2013, 4, 4245.	1.9	5
53	Preparation and sintering properties in air of silver-coated copper powders and pastes. Journal of Materials Science: Materials in Electronics, 2013, 24, 4913-4918.	1.1	10
54	Mesogen-jacketed liquid crystalline polymers and elastomers bearing polynorbornene backbone. Journal of Materials Chemistry C, 2013, 1, 1482.	2.7	27

#	Article	IF	Citations
55	Polysiloxane-Based Liquid Crystalline Polymers and Elastomers Prepared by Thiolâ€“Ene Chemistry. Macromolecules, 2013, 46, 3406-3416.	2.2	88
56	Dramatic enhancement of carbon nanotube dispersion in polyimide composites by a two-step amino functionalization approach. Journal of Polymer Science Part A, 2013, 51, 3449-3457.	2.5	10
57	A simple theoretical approach to the band gaps of conjugated polymers. Molecular Simulation, 2013, 39, 1022-1033.	0.9	0
58	Improved thin film morphology and bulk-heterojunction solar cell performance through systematic tuning of the surface energy of conjugated polymers. Journal of Materials Chemistry, 2012, 22, 5587.	6.7	73
59	High-mobility low-bandgap conjugated copolymers based on indacenodithiophene and thiadiazolo[3,4-c]pyridine units for thin film transistor and photovoltaic applications. Journal of Materials Chemistry, 2011, 21, 13247.	6.7	102
60	Conjugated polymers based on C, Si and N-bridged dithiophene and thienopyrroledione units: synthesis, field-effect transistors and bulk heterojunction polymer solar cells. Journal of Materials Chemistry, 2011, 21, 3895.	6.7	110
61	Efficient Polymer Solar Cells Based on the Copolymers of Benzodithiophene and Thienopyrroledione. Chemistry of Materials, 2010, 22, 2696-2698.	3.2	346