Youfeng Yue

List of Publications by Year
in descending order

37 papers	4,498 citations	331670 21 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	6765 citing authors

#	Article	IF	Citations
1	Polyelectrolyte-Layered Hydrogels with Electrically Tunable Toughness, Viscoelasticity, Hysteresis, and Crack Resistance. Macromolecules, 2022, 55, 1230-1238.	4.8	6
2	Ultrahighâ€Waterâ€Content Photonic Hydrogels with Large Electroâ€Optic Responses in Visible to Nearâ€Infrared Region. Advanced Optical Materials, 2021, 9, 2002198.	7.3	20
3	A Review on Encapsulation Technology from Organic Light Emitting Diodes to Organic and Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2100151.	14.9	114
4	Molecular engineering of head-tail terpyridine-Fe(II) coordination polymers employing alkyl chain linkers toward enhanced electrochromic performance. Dyes and Pigments, 2021, 189, 109233.	3.7	13
5	Structure and Unique Functions of Anisotropic Hydrogels Comprising Uniaxially Aligned Lamellar Bilayers. Bulletin of the Chemical Society of Japan, 2021, 94, 2221-2234.	3.2	18
6	Electropolymerization of V-shape D-A-D type monomers for efficient and tunable electrochromics. Dyes and Pigments, 2021, 194, 109615.	3.7	11
7	Fatigueâ€Resistant Crosslinked Azopolymers with Inhibited Hâ€Aggregation for Efficient Photopatterning. ChemPhotoChem, 2020, 4, 5383-5391.	3.0	3
8	Dynamic Manipulation of Friction in Smart Textile Composites of Liquidâ€Crystal Elastomers. Advanced Materials Interfaces, 2020, 7, 1901996.	3.7	22
9	Gold clay from self-assembly of 2D microscale nanosheets. Nature Communications, 2020, 11, 568.	12.8	15
10	Crawling and Bending Motions of Azobenzene Derivatives Based on Photoresponsive Solidâ€“Liquid Phase Transition System. , 2020, , 465-478.		1
11	Improving the photovoltaic performance by employing alkyl chains perpendicular to the Ï€-conjugated plane of an organic dye in dye-sensitized solar cells. Journal of Materials Chemistry C, 2019, 7, 7249-7258.	5.5	29
12	A chemically inert bismuth interlayer enhances long-term stability of inverted perovskite solar cells. Nature Communications, 2019, 10, 1161.	12.8	225
13	Designing Responsive Photonic Crystal Patterns by Using Laser Engraving. ACS Applied Materials & Interfaces, 2019, 11, 10841-10847.	8.0	34
14	[6,6]-Phenyl-C₆₁-Butyric Acid Methyl Ester/Cerium Oxide Bilayer Structure as Efficient and Stable Electron Transport Layer for Inverted Perovskite Solar Cells. ACS Nano, 2018, 12, 2403-2414.	14.6	114
15	Toward Longâ€Term Stable and Highly Efficient Perovskite Solar Cells via Effective Charge Transporting Materials. Advanced Energy Materials, 2018, 8, 1800249.	19.5	85
16	Light-induced mechanical response in crosslinked liquid-crystalline polymers with photoswitchable glass transition temperatures. Nature Communications, 2018, 9, 3234.	12.8	105
17	Self-Assembled Liquid-Crystalline Membranes Form Supramolecular Hydrogels via Hydrogen Bonding. Macromolecular Rapid Communications, 2017, 38, 1600762.	3.9	5
18	Surface functionalization of high free-volume polymers as a route to efficient hydrogen separation membranes. Journal of Materials Chemistry A, 2017, 5, 4686-4694.	10.3	37

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19	Water-Triggered Ductileâ€“Brittle Transition of Anisotropic Lamellar Hydrogels and Effect of Confinement on Polymer Dynamics. Macromolecules, 2017, 50, 8169-8177.	4.8	29
20	Enhanced Stability of Perovskite Solar Cells through Corrosionâ€Free Pyridine Derivatives in Holeâ€Transporting Materials. Advanced Materials, 2016, 28, 10738-10743.	21.0	147
21	Perovskite solar cells with 18.21% efficiency andÂarea over 1â€‰cm2 fabricated by heterojunctionÂengineering. Nature Energy, 2016, 1, .	39.5	555
22	Decoupling dual-stimuli responses in patterned lamellar hydrogels as photonic sensors. Journal of Materials Chemistry B, 2016, 4, 4104-4109.	5.8	34
23	Highâ€Quality Mixedâ€Organicâ€Cation Perovskites from a Phaseâ€Pure Nonâ€stoichiometric Intermediate (FAI)_{1â^'}_xâ€PbI₂ for Solar Cells. Advanced Materials, 2015, 27, 4918-4923.	21.0	140
24	Selective Deposition of Insulating Metal Oxide in Perovskite Solar Cells with Enhanced Device Performance. ChemSusChem, 2015, 8, 2625-2629.	6.8	10
25	Polymer Adsorbed Bilayer Membranes Form Self-Healing Hydrogels with Tunable Superstructure. Macromolecules, 2015, 48, 2277-2282.	4.8	34
26	Tunable one-dimensional photonic crystals from soft materials. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2015, 23, 45-67.	11.6	93
27	Efficient and stable large-area perovskite solar cells with inorganic charge extraction layers. Science, 2015, 350, 944-948.	12.6	2,007
28	Consecutive Morphology Controlling Operations for Highly Reproducible Mesostructured Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 20707-20713.	8.0	43
29	Polymer-Assisted Construction of Mesoporous TiO₂ Layers for Improving Perovskite Solar Cell Performance. Journal of Physical Chemistry C, 2015, 119, 22847-22854.	3.1	32
30	Mechano-actuated ultrafast full-colour switching in layered photonic hydrogels. Nature Communications, 2014, 5, 4659.	12.8	210
31	Lamellar Hydrogels with High Toughness and Ternary Tunable Photonic Stopâ€Band. Advanced Materials, 2013, 25, 3106-3110.	21.0	152
32	Rapid and Reversible Tuning of Structural Color of a Hydrogel over the Entire Visible Spectrum by Mechanical Stimulation. Chemistry of Materials, 2011, 23, 5200-5207.	6.7	109
33	The synthesis and photoluminescence characteristics of novel Î±,Î²-diarylacrylonitrile derivatives containing both a biphenyl group and a triphenylamine unit. Dyes and Pigments, 2011, 88, 301-306.	3.7	17
34	The synthesis and photophysical properties of novel triphenylamine derivatives containing Î±, Î²-diarylacrylonitrile. Dyes and Pigments, 2009, 83, 72-80.	3.7	14
35	Synthesis of a Novel Ligand Containing Phenyl Pyridine. Synthetic Communications, 2009, 40, 58-63.	2.1	4
36	Synthesis, Characterisation and Photophysical Properties of Î±,Î²-diaryl-acrylonitrile Derivatives. Journal of Chemical Research, 2009, 2009, 377-380.	1.3	8

#	Article	IF	Citations
37	Synthesis and Photophysical Properties of Conjugated Quinolines. Journal of Chemical Research, 2009, 2009, 427-429.	1.3	3