

Youfeng Yue

List of Publications by Year in descending order

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37
papers

4,498
citations

331670

21
h-index

345221

36
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38
all docs

38
docs citations

38
times ranked

6765
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and stable large-area perovskite solar cells with inorganic charge extraction layers. <i>Science</i> , 2015, 350, 944-948.	12.6	2,007
2	Perovskite solar cells with 18.21% efficiency and an area over 1 m ² fabricated by heterojunction engineering. <i>Nature Energy</i> , 2016, 1, .	39.5	555
3	A chemically inert bismuth interlayer enhances long-term stability of inverted perovskite solar cells. <i>Nature Communications</i> , 2019, 10, 1161.	12.8	225
4	Mechano-actuated ultrafast full-colour switching in layered photonic hydrogels. <i>Nature Communications</i> , 2014, 5, 4659.	12.8	210
5	Lamellar Hydrogels with High Toughness and Ternary Tunable Photonic Stop Band. <i>Advanced Materials</i> , 2013, 25, 3106-3110.	21.0	152
6	Enhanced Stability of Perovskite Solar Cells through Corrosion-Free Pyridine Derivatives in Hole-Transporting Materials. <i>Advanced Materials</i> , 2016, 28, 10738-10743.	21.0	147
7	High-Quality Mixed-Organic-Cation Perovskites from a Phase-Pure Non-stoichiometric Intermediate (FAI) _{1-x} Pb _{2-x} for Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4918-4923.	21.0	140
8	[6,6]-Phenyl-C ₆₁ -Butyric Acid Methyl Ester/Cerium Oxide Bilayer Structure as Efficient and Stable Electron Transport Layer for Inverted Perovskite Solar Cells. <i>ACS Nano</i> , 2018, 12, 2403-2414.	14.6	114
9	A Review on Encapsulation Technology from Organic Light Emitting Diodes to Organic and Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2100151.	14.9	114
10	Rapid and Reversible Tuning of Structural Color of a Hydrogel over the Entire Visible Spectrum by Mechanical Stimulation. <i>Chemistry of Materials</i> , 2011, 23, 5200-5207.	6.7	109
11	Light-induced mechanical response in crosslinked liquid-crystalline polymers with photoswitchable glass transition temperatures. <i>Nature Communications</i> , 2018, 9, 3234.	12.8	105
12	Tunable one-dimensional photonic crystals from soft materials. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2015, 23, 45-67.	11.6	93
13	Toward Long-Term Stable and Highly Efficient Perovskite Solar Cells via Effective Charge Transporting Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1800249.	19.5	85
14	Consecutive Morphology Controlling Operations for Highly Reproducible Mesostructured Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20707-20713.	8.0	43
15	Surface functionalization of high free-volume polymers as a route to efficient hydrogen separation membranes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4686-4694.	10.3	37
16	Polymer Adsorbed Bilayer Membranes Form Self-Healing Hydrogels with Tunable Superstructure. <i>Macromolecules</i> , 2015, 48, 2277-2282.	4.8	34
17	Decoupling dual-stimuli responses in patterned lamellar hydrogels as photonic sensors. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4104-4109.	5.8	34
18	Designing Responsive Photonic Crystal Patterns by Using Laser Engraving. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10841-10847.	8.0	34

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19	Polymer-Assisted Construction of Mesoporous TiO ₂ Layers for Improving Perovskite Solar Cell Performance. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22847-22854.	3.1	32
20	Water-Triggered Ductile-Brittle Transition of Anisotropic Lamellar Hydrogels and Effect of Confinement on Polymer Dynamics. <i>Macromolecules</i> , 2017, 50, 8169-8177.	4.8	29
21	Improving the photovoltaic performance by employing alkyl chains perpendicular to the π -conjugated plane of an organic dye in dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7249-7258.	5.5	29
22	Dynamic Manipulation of Friction in Smart Textile Composites of Liquid-Crystal Elastomers. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901996.	3.7	22
23	Ultrahigh-Water-Content Photonic Hydrogels with Large Electro-Optic Responses in Visible to Near-Infrared Region. <i>Advanced Optical Materials</i> , 2021, 9, 2002198.	7.3	20
24	Structure and Unique Functions of Anisotropic Hydrogels Comprising Uniaxially Aligned Lamellar Bilayers. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2221-2234.	3.2	18
25	The synthesis and photoluminescence characteristics of novel β , β' -diarylacrylonitrile derivatives containing both a biphenyl group and a triphenylamine unit. <i>Dyes and Pigments</i> , 2011, 88, 301-306.	3.7	17
26	Gold clay from self-assembly of 2D microscale nanosheets. <i>Nature Communications</i> , 2020, 11, 568.	12.8	15
27	The synthesis and photophysical properties of novel triphenylamine derivatives containing β , β' -diarylacrylonitrile. <i>Dyes and Pigments</i> , 2009, 83, 72-80.	3.7	14
28	Molecular engineering of head-tail terpyridine-Fe(II) coordination polymers employing alkyl chain linkers toward enhanced electrochromic performance. <i>Dyes and Pigments</i> , 2021, 189, 109233.	3.7	13
29	Electropolymerization of V-shape D-A-D type monomers for efficient and tunable electrochromics. <i>Dyes and Pigments</i> , 2021, 194, 109615.	3.7	11
30	Selective Deposition of Insulating Metal Oxide in Perovskite Solar Cells with Enhanced Device Performance. <i>ChemSusChem</i> , 2015, 8, 2625-2629.	6.8	10
31	Synthesis, Characterisation and Photophysical Properties of β , β' -diaryl-acrylonitrile Derivatives. <i>Journal of Chemical Research</i> , 2009, 2009, 377-380.	1.3	8
32	Polyelectrolyte-Layered Hydrogels with Electrically Tunable Toughness, Viscoelasticity, Hysteresis, and Crack Resistance. <i>Macromolecules</i> , 2022, 55, 1230-1238.	4.8	6
33	Self-Assembled Liquid-Crystalline Membranes Form Supramolecular Hydrogels via Hydrogen Bonding. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600762.	3.9	5
34	Synthesis of a Novel Ligand Containing Phenyl Pyridine. <i>Synthetic Communications</i> , 2009, 40, 58-63.	2.1	4
35	Synthesis and Photophysical Properties of Conjugated Quinolines. <i>Journal of Chemical Research</i> , 2009, 2009, 427-429.	1.3	3
36	Fatigue-Resistant Crosslinked Azopolymers with Inhibited H ₂ O ₂ Aggregation for Efficient Photopatterning. <i>ChemPhotoChem</i> , 2020, 4, 5383-5391.	3.0	3

#	ARTICLE	IF	CITATIONS
37	Crawling and Bending Motions of Azobenzene Derivatives Based on Photoresponsive Solidâ€“Liquid Phase Transition System. , 2020, , 465-478.		1