

Yusen Zhao

List of Publications by Year in descending order

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26
papers

2,454
citations

430442

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26
all docs

26
docs citations

26
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong tough hydrogels via the synergy of freeze-casting and salting out. <i>Nature</i> , 2021, 590, 594-599.	13.7	625
2	Poly(vinyl alcohol) Hydrogels with Broad-Range Tunable Mechanical Properties via the Hofmeister Effect. <i>Advanced Materials</i> , 2021, 33, e2007829.	11.1	292
3	Soft phototactic swimmer based on self-sustained hydrogel oscillator. <i>Science Robotics</i> , 2019, 4, .	9.9	258
4	Artificial phototropism for omnidirectional tracking and harvesting of light. <i>Nature Nanotechnology</i> , 2019, 14, 1048-1055.	15.6	191
5	Somatosensory actuator based on stretchable conductive photothermally responsive hydrogel. <i>Science Robotics</i> , 2021, 6, .	9.9	144
6	Hierarchically Structured Stretchable Conductive Hydrogels for High-Performance Wearable Strain Sensors and Supercapacitors. <i>Matter</i> , 2020, 3, 1196-1210.	5.0	120
7	Highly stretchable self-sensing actuator based on conductive photothermally-responsive hydrogel. <i>Materials Today</i> , 2021, 50, 35-43.	8.3	105
8	Cephalopod-Inspired Chromotropic Ionic Skin with Rapid Visual Sensing Capabilities to Multiple Stimuli. <i>ACS Nano</i> , 2021, 15, 3509-3521.	7.3	99
9	Tunable Sponge-Like Hierarchically Porous Hydrogels with Simultaneously Enhanced Diffusivity and Mechanical Properties. <i>Advanced Materials</i> , 2021, 33, e2008235.	11.1	82
10	Photonic Vitremer Elastomer with Self-Healing, High Toughness, Mechanochromism, and Excellent Durability based on Dynamic Covalent Bond. <i>Advanced Functional Materials</i> , 2021, 31, 2009017.	7.8	81
11	Porphyrin Covalent Organic Framework (POF)-Based Interface Engineering for Solar Steam Generation. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900254.	1.9	76
12	Interactively Full-Color Changeable Electronic Fiber Sensor with High Stretchability and Rapid Response. <i>Advanced Functional Materials</i> , 2020, 30, 2000356.	7.8	66
13	Tough-Hydrogel Reinforced Low-Tortuosity Conductive Networks for Stretchable and High-Performance Supercapacitors. <i>Advanced Materials</i> , 2021, 33, e2100983.	11.1	63
14	Wood-Inspired Morphologically Tunable Aligned Hydrogel for High-Performance Flexible All-Solid-State Supercapacitors. <i>Advanced Functional Materials</i> , 2020, 30, 1909133.	7.8	62
15	Multiresponse Shape-Memory Nanocomposite with a Reversible Cycle for Powerful Artificial Muscles. <i>Chemistry of Materials</i> , 2021, 33, 987-997.	3.2	42
16	Homogeneous Freestanding Luminescent Perovskite Organogel with Superior Water Stability. <i>Advanced Materials</i> , 2019, 31, e1902928.	11.1	40
17	Rapid and scalable fabrication of ultra-stretchable, anti-freezing conductive gels by consolvency effect. <i>EcoMat</i> , 2021, 3, e12085.	6.8	26
18	Flexible and Transparent High-Dielectric-Constant Polymer Films Based on Molecular Ferroelectric-Modified Poly(Vinyl Alcohol). , 2020, 2, 453-460.		21

#	ARTICLE	IF	CITATIONS
19	Stimuli-Responsive Polymers for Soft Robotics. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 515-545.	7.5	21
20	Ultrastretchable Polyaniline-Based Conductive Organogel with High Strain Sensitivity. , 2021, 3, 1477-1483.		16
21	Artificial Phototropic Systems for Enhanced Light Harvesting Based on a Liquid Crystal Elastomer. Advanced Intelligent Systems, 2021, 3, 2000234.	3.3	7
22	Water Treatment: Porphyrin Covalent Organic Framework (POF)-Based Interface Engineering for Solar Steam Generation (Adv. Mater. Interfaces 11/2019). Advanced Materials Interfaces, 2019, 6, 1970072.	1.9	5
23	Photodriven Self-Excited Hydrogel Oscillators. Physical Review Applied, 2022, 17, .	1.5	5
24	Hall of Fame Article: Covalent Organic Frameworks for Water Treatment (Adv. Mater. Interfaces) Tj ETQq0 0 0 rgBT/Overlock ₃ 10 Tf 50 5	1.9	3
25	Artificial Phototropic Systems for Enhanced Light Harvesting Based on a Liquid Crystal Elastomer. Advanced Intelligent Systems, 2021, 3, 2170070.	3.3	2
26	Bioinspired Sensors and Actuators Based on Stimuli-Responsive Hydrogels for Underwater Soft Robotics. , 2021, , 99-115.		2