

Yusen Zhao

List of Publications by Year in descending order

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26
papers

2,454
citations

430442

18
h-index

642321

23
g-index

26
all docs

26
docs citations

26
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-Responsive Polymers for Soft Robotics. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 515-545.	7.5	21
2	Photodriven Self-Excited Hydrogel Oscillators. Physical Review Applied, 2022, 17, .	1.5	5
3	Hall of Fame Article: Covalent Organic Frameworks for Water Treatment (Adv. Mater. Interfaces) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	3
4	Photonic Vitriimer Elastomer with Self-Healing, High Toughness, Mechanochromism, and Excellent Durability based on Dynamic Covalent Bond. Advanced Functional Materials, 2021, 31, 2009017.	7.8	81
5	Strong tough hydrogels via the synergy of freeze-casting and salting out. Nature, 2021, 590, 594-599.	13.7	625
6	Poly(vinyl alcohol) Hydrogels with Broad-Range Tunable Mechanical Properties via the Hofmeister Effect. Advanced Materials, 2021, 33, e2007829.	11.1	292
7	Rapid and scalable fabrication of ultra-stretchable, anti-freezing conductive gels by cononsolvency effect. EcoMat, 2021, 3, e12085.	6.8	26
8	Cephalopod-Inspired Chromotropic Ionic Skin with Rapid Visual Sensing Capabilities to Multiple Stimuli. ACS Nano, 2021, 15, 3509-3521.	7.3	99
9	Tunable Sponge-Like Hierarchically Porous Hydrogels with Simultaneously Enhanced Diffusivity and Mechanical Properties. Advanced Materials, 2021, 33, e2008235.	11.1	82
10	Somatosensory actuator based on stretchable conductive photothermally responsive hydrogel. Science Robotics, 2021, 6, .	9.9	144
11	Artificial Phototropic Systems for Enhanced Light Harvesting Based on a Liquid Crystal Elastomer. Advanced Intelligent Systems, 2021, 3, 2000234.	3.3	7
12	Tough Hydrogel Reinforced Low-Tortuosity Conductive Networks for Stretchable and High-Performance Supercapacitors. Advanced Materials, 2021, 33, e2100983.	11.1	63
13	Highly stretchable self-sensing actuator based on conductive photothermally-responsive hydrogel. Materials Today, 2021, 50, 35-43.	8.3	105
14	Ultrastretchable Polyaniline-Based Conductive Organogel with High Strain Sensitivity. , 2021, 3, 1477-1483.		16
15	Multiresponse Shape-Memory Nanocomposite with a Reversible Cycle for Powerful Artificial Muscles. Chemistry of Materials, 2021, 33, 987-997.	3.2	42
16	Artificial Phototropic Systems for Enhanced Light Harvesting Based on a Liquid Crystal Elastomer. Advanced Intelligent Systems, 2021, 3, 2170070.	3.3	2
17	Bioinspired Sensors and Actuators Based on Stimuli-Responsive Hydrogels for Underwater Soft Robotics. , 2021, , 99-115.		2
18	Hierarchically Structured Stretchable Conductive Hydrogels for High-Performance Wearable Strain Sensors and Supercapacitors. Matter, 2020, 3, 1196-1210.	5.0	120

#	ARTICLE	IF	CITATIONS
19	Flexible and Transparent High-Dielectric-Constant Polymer Films Based on Molecular Ferroelectric-Modified Poly(Vinyl Alcohol). , 2020, 2, 453-460.		21
20	Interactively Full-Color Changeable Electronic Fiber Sensor with High Stretchability and Rapid Response. Advanced Functional Materials, 2020, 30, 2000356.	7.8	66
21	Wood-Inspired Morphologically Tunable Aligned Hydrogel for High-Performance Flexible All-Solid-State Supercapacitors. Advanced Functional Materials, 2020, 30, 1909133.	7.8	62
22	Soft phototactic swimmer based on self-sustained hydrogel oscillator. Science Robotics, 2019, 4, .	9.9	258
23	Homogeneous Freestanding Luminescent Perovskite Organogel with Superior Water Stability. Advanced Materials, 2019, 31, e1902928.	11.1	40
24	Artificial phototropism for omnidirectional tracking and harvesting of light. Nature Nanotechnology, 2019, 14, 1048-1055.	15.6	191
25	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
26	Porphyrin Covalent Organic Framework (POF)-Based Interface Engineering for Solar Steam Generation. Advanced Materials Interfaces, 2019, 6, 1900254.	1.9	76