

Yunlong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,288
citations

430754

18
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas production from hydrothermal and radiolytic reactions at silicon carbide-water interfaces. <i>Journal of Nuclear Materials</i> , 2022, 563, 153624.	1.3	1
2	Enhanced strength and thermal oxidation resistance of shaddock peel-polycarbosilane-derived Ca-SiO ₂ composites. <i>Ceramics International</i> , 2022, , .	2.3	0
3	Radiolytic Approach for Efficient, Selective and Catalyst-free CO ₂ Conversion at Room Temperature. <i>ChemPhysChem</i> , 2021, 22, 1900-1906.	1.0	9
4	Extracting Salinity Gradient Energy via Antifouling Poly(acrylic acid-co-acrylamide) Hydrogels in Natural Water. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6513-6523.	2.0	2
5	Microfluidic Platforms toward Rational Material Fabrication for Biomedical Applications. <i>Small</i> , 2020, 16, e1903798.	5.2	80
6	Reconfiguration, Camouflage, and Color-Shifting for Bioinspired Adaptive Hydrogel-Based Millirobots. <i>Advanced Functional Materials</i> , 2020, 30, 1909202.	7.8	153
7	A stage-specific cell-manipulation platform for inducing endothelialization on demand. <i>National Science Review</i> , 2020, 7, 629-643.	4.6	38
8	Hydrogel-Based Millirobots: Reconfiguration, Camouflage, and Color-Shifting for Bioinspired Adaptive Hydrogel-Based Millirobots (<i>Adv. Funct. Mater.</i> 10/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070064.	7.8	2
9	Inkless multi-color writing and copying of laser-programmable photonic crystals. <i>Materials Horizons</i> , 2020, 7, 1341-1347.	6.4	59
10	Structurally coloured contact lens sensor for point-of-care ophthalmic health monitoring. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3519-3526.	2.9	49
11	Chameleon-Inspired Structural-Color Actuators. <i>Matter</i> , 2019, 1, 626-638.	5.0	197
12	Facile and High-Efficiency Microbead Array Based on Biomimetic Nepenthes Peristome Surfaces. , 2019, , .		4
13	Self-Unfolding Flexible Microelectrode Arrays Based on Shape Memory Polymers. <i>Advanced Materials Technologies</i> , 2019, 4, 1900566.	3.0	46
14	Bio-inspired sensing and actuating materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6493-6511.	2.7	112
15	Near-Infrared Light-Driven Controllable Motions of Gold-Hollow-Microcone Array. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15927-15935.	4.0	19
16	Bioinspired Actuators Based on Stimuli-Responsive Polymers. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2369-2387.	1.7	60
17	Shape-Programmable Electronics: Self-Unfolding Flexible Microelectrode Arrays Based on Shape Memory Polymers (<i>Adv. Mater. Technol.</i> 11/2019). <i>Advanced Materials Technologies</i> , 2019, 4, 1970063.	3.0	4
18	Study of poly(acrylamidoxime) brushes conformation with uranium adsorption by neutron reflectivity. <i>Materials Letters</i> , 2018, 220, 47-49.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Programmed Shape-Morphing Scaffolds Enabling Facile 3D Endothelialization. <i>Advanced Functional Materials</i> , 2018, 28, 1801027.	7.8	125
20	Regulation Effects of Biomimetic Hybrid Scaffolds on Vascular Endothelium Remodeling. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23583-23594.	4.0	49
21	Tissue Engineering: Programmed Shape-Morphing Scaffolds Enabling Facile 3D Endothelialization (Adv.) <i>Tissue Engineering</i> , 2018, 24, 1414-1424.	7.8	125
22	Tunable shape memory polymer mold for multiple microarray replications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24748-24755.	5.2	52
23	Parameterization of silica-filled silicone rubber morphology: A contrast variation SANS and TEM study. <i>Polymer</i> , 2017, 120, 155-163.	1.8	34
24	Breath-Taking Patterns: Discontinuous Hydrophilic Regions for Photonic Crystal Beads Assembly and Patterns Revisualization. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38117-38124.	4.0	46
25	Phase Reformation and Void Evolution of Previously Heated HMX-Based Plastic-Bonded Explosive in Wet Air. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20426-20432.	1.5	23
26	Macroporous Polytetrafluoroethylene Film with a Reusable Matrix and Its Application as the Microreactors. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 674-681.	1.7	1
27	Small-angle neutron scattering spectrometer Suanni equipped with ultra-thin biconcave focusing lenses. <i>Journal of Applied Crystallography</i> , 2016, 49, 1388-1393.	1.9	19
28	The Microstructural Evolution in HMX Based Plastic-Bonded Explosive During Heating and Cooling Process: an in situ Small-angle Scattering Study. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 916-926.	0.5	7
29	A new approach of synthesis and morphological control of poly(ethylene terephthalate) (PET) with porous structure. <i>Journal of Applied Polymer Science</i> , 2015, 106, 261-267.	1.4	2
30	Fabrication of Superhydrophobic Three-Dimensionally Ordered Macroporous Polytetrafluoroethylene Films and Its Application. <i>Langmuir</i> , 2014, 30, 10804-10808.	1.6	10
31	Shear-Induced Conformational Ordering, Relaxation, and Crystallization of Isotactic Polypropylene. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12256-12262.	1.2	71