Yunlong Wang

List of Publications by Year
in descending order

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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	Chameleon-Inspired Structural-Color Actuators. Matter, 2019, 1, 626-638.	5.0	197
2	Reconfiguration, Camouflage, and Colorâ€Shifting for Bioinspired Adaptive Hydrogelâ€Based Millirobots. Advanced Functional Materials, 2020, 30, 1909202.	7.8	153
3	Programmed Shapeâ€Morphing Scaffolds Enabling Facile 3D Endothelialization. Advanced Functional Materials, 2018, 28, 1801027.	7.8	125
4	Bio-inspired sensing and actuating materials. Journal of Materials Chemistry C, 2019, 7, 6493-6511.	2.7	112
5	Microfluidic Platforms toward Rational Material Fabrication for Biomedical Applications. Small, 2020, 16, e1903798.	5.2	80
6	Shear-Induced Conformational Ordering, Relaxation, and Crystallization of Isotactic Polypropylene. Journal of Physical Chemistry B, 2008, 112, 12256-12262.	1.2	71
7	Bioinspired Actuators Based on Stimuliâ€Responsive Polymers. Chemistry - an Asian Journal, 2019, 14, 2369-2387.	1.7	60
8	Inkless multi-color writing and copying of laser-programmable photonic crystals. Materials Horizons, 2020, 7, 1341-1347.	6.4	59
9	Tunable shape memory polymer mold for multiple microarray replications. Journal of Materials Chemistry A, 2018, 6, 24748-24755.	5.2	52
10	Regulation Effects of Biomimetic Hybrid Scaffolds on Vascular Endothelium Remodeling. ACS Applied Materials & Interfaces, 2018, 10, 23583-23594.	4.0	49
11	Structurally coloured contact lens sensor for point-of-care ophthalmic health monitoring. Journal of Materials Chemistry B, 2020, 8, 3519-3526.	2.9	49
12	Breath-Taking Patterns: Discontinuous Hydrophilic Regions for Photonic Crystal Beads Assembly and Patterns Revisualization. ACS Applied Materials & Interfaces, 2017, 9, 38117-38124.	4.0	46
13	Selfâ€Unfolding Flexible Microelectrode Arrays Based on Shape Memory Polymers. Advanced Materials Technologies, 2019, 4, 1900566.	3.0	46
14	A stage-specific cell-manipulation platform for inducing endothelialization on demand. National Science Review, 2020, 7, 629-643.	4.6	38
15	Parameterization of silica-filled silicone rubber morphology: AÂcontrast variation SANS and TEM study. Polymer, 2017, 120, 155-163.	1.8	34
16	Phase Retransformation and Void Evolution of Previously Heated HMX-Based Plastic-Bonded Explosive in Wet Air. Journal of Physical Chemistry C, 2017, 121, 20426-20432.	1.5	23
17	Small-angle neutron scattering spectrometer Suanni equipped with ultra-thin biconcave focusing lenses. Journal of Applied Crystallography, 2016, 49, 1388-1393.	1.9	19
18	Near-Infrared Light-Driven Controllable Motions of Gold-Hollow-Microcone Array. ACS Applied Materials & Interfaces, 2019, 11, 15927-15935.	4.0	19

#	Article	IF	Citations
19	Fabrication of Superhydrophobic Three-Dimensionally Ordered Macroporous Polytetrafluoroethylene Films and Its Application. Langmuir, 2014, 30, 10804-10808.	1.6	10
20	Study of poly(acrylamidoxime) brushes conformation with uranium adsorption by neutron reflectivity. Materials Letters, 2018, 220, 47-49.	1.3	10
21	Radiolytic Approach for Efficient, Selective and Catalystâ€free CO 2 Conversion at Room Temperature. ChemPhysChem, 2021, 22, 1900-1906.	1.0	9
22	The Microstructural Evolution in HMX Based Plastic-Bonded Explosive During Heating and Cooling Process: an in situ Small-angle Scattering Study. Central European Journal of Energetic Materials, 2016, 13, 916-926.	0.5	7
23	Tissue Engineering: Programmed Shapeâ€Morphing Scaffolds Enabling Facile 3D Endothelialization (Adv.) Tj ETQq1 1 0.784314 rgBT /O	7.8	4
24	Facile and High-Efficiency Microbead Array Based on Biomimetic Nepenthes Peristome Surfaces. , 2019, , .		4
25	Shapeâ€Programmable Electronics: Selfâ€Unfolding Flexible Microelectrode Arrays Based on Shape Memory Polymers (Adv. Mater. Technol. 11/2019). Advanced Materials Technologies, 2019, 4, 1970063.	3.0	4
26	A new approach of synthesis and morphological control of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (terephthalate)-g Chemistry, 2015, 106, 261-267.	1.4	2
27	Hydrogelâ€Based Millirobots: Reconfiguration, Camouflage, and Colorâ€Shifting for Bioinspired Adaptive Hydrogelâ€Based Millirobots (Adv. Funct. Mater. 10/2020). Advanced Functional Materials, 2020, 30, 2070064.	7.8	2
28	Extracting Salinity Gradient Energy via Antifouling Poly(acrylic acid-co-acrylamide) Hydrogels in Natural Water. ACS Applied Polymer Materials, 2021, 3, 6513-6523.	2.0	2
29	Macroporous Polytetrafluoroethylene Film with a Reusable Matrix and Its Application as the Microreactors. Macromolecular Materials and Engineering, 2016, 301, 674-681.	1.7	1
30	Gas production from hydrothermal and radiolytic reactions at silicon carbide-water interfaces. Journal of Nuclear Materials, 2022, 563, 153624.	1.3	1
31	Enhanced strength and thermal oxidation resistance of shaddock peel-polycarbosilane-derived Câ€“SiCâ€“SiO2 composites. Ceramics International, 2022, , .	2.3	0