

Yuanwen Jiang

List of Publications by Year in descending order

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33
papers

3,299
citations

218381

26
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433756

31
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34
times ranked

4229
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibiting Fibroblast Mechanotransduction Modulates Severity of Idiopathic Pulmonary Fibrosis. <i>Advances in Wound Care</i> , 2022, 11, 511-523.	2.6	5
2	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics. <i>Science</i> , 2022, 375, 1411-1417.	6.0	230
3	High-brightness all-polymer stretchable LED with charge-trapping dilution. <i>Nature</i> , 2022, 603, 624-630.	13.7	170
4	Micelle-enabled self-assembly of porous and monolithic carbon membranes for bioelectronic interfaces. <i>Nature Nanotechnology</i> , 2021, 16, 206-213.	15.6	30
5	Strain-insensitive intrinsically stretchable transistors and circuits. <i>Nature Electronics</i> , 2021, 4, 143-150.	13.1	170
6	Ultra-compliant and Tough Thermochromic Polymer for Self-regulated Smart Windows. <i>Advanced Functional Materials</i> , 2021, 31, 2100686.	7.8	44
7	Adipose-Derived Stromal Cells Seeded in Pullulan-Collagen Hydrogels Improve Healing in Murine Burns. <i>Tissue Engineering - Part A</i> , 2021, 27, 844-856.	1.6	31
8	Advancing models of neural development with biomaterials. <i>Nature Reviews Neuroscience</i> , 2021, 22, 593-615.	4.9	60
9	A Highly Stretchable and Self-healing Supramolecular Elastomer Based on Sliding Crosslinks and Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2020, 30, 1907139.	7.8	165
10	Laser writing of nitrogen-doped silicon carbide for biological modulation. <i>Science Advances</i> , 2020, 6, .	4.7	33
11	Intrinsically stretchable electrode array enabled in vivo electrophysiological mapping of atrial fibrillation at cellular resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14769-14778.	3.3	108
12	Genetically targeted chemical assembly of functional materials in living cells, tissues, and animals. <i>Science</i> , 2020, 367, 1372-1376.	6.0	132
13	Structured silicon for revealing transient and integrated signal transductions in microbial systems. <i>Science Advances</i> , 2020, 6, eaay2760.	4.7	14
14	A wireless body area sensor network based on stretchable passive tags. <i>Nature Electronics</i> , 2019, 2, 361-368.	13.1	421
15	Nongenetic optical neuromodulation with silicon-based materials. <i>Nature Protocols</i> , 2019, 14, 1339-1376.	5.5	62
16	Decoupling of mechanical properties and ionic conductivity in supramolecular lithium ion conductors. <i>Nature Communications</i> , 2019, 10, 5384.	5.8	249
17	Skin-Inspired Electronics Enabled by Supramolecular Polymeric Materials. <i>CCS Chemistry</i> , 2019, 1, 431-447.	4.6	118
18	Photoelectrochemical modulation of neuronal activity with free-standing coaxial silicon nanowires. <i>Nature Nanotechnology</i> , 2018, 13, 260-266.	15.6	185

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19	Rational design of silicon structures for optically controlled multiscale biointerfaces. <i>Nature Biomedical Engineering</i> , 2018, 2, 508-521.	11.6	183
20	Roadmap on semiconductor cell biointerfaces. <i>Physical Biology</i> , 2018, 15, 031002.	0.8	45
21	Inorganic semiconductor biointerfaces. <i>Nature Reviews Materials</i> , 2018, 3, 473-490.	23.3	154
22	Texturing Silicon Nanowires for Highly Localized Optical Modulation of Cellular Dynamics. <i>Nano Letters</i> , 2018, 18, 4487-4492.	4.5	45
23	3D calcite heterostructures for dynamic and deformable mineralized matrices. <i>Nature Communications</i> , 2017, 8, 509.	5.8	7
24	Alloy-assisted deposition of three-dimensional arrays of atomic gold catalyst for crystal growth studies. <i>Nature Communications</i> , 2017, 8, 2014.	5.8	21
25	Silicon Mesostructures for Phospholipid Based Bioelectric Device and Deterministic Neuromodulation. <i>Biophysical Journal</i> , 2016, 110, 147a.	0.2	0
26	Heterogeneous silicon mesostructures for lipid-supported bioelectric interfaces. <i>Nature Materials</i> , 2016, 15, 1023-1030.	13.3	132
27	Atomic gold-enabled three-dimensional lithography for silicon mesostructures. <i>Science</i> , 2015, 348, 1451-1455.	6.0	82
28	Biopolymer-assisted construction and gas-sensing study of uniform solid and hollow ZnSn(OH) ₆ spheres. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 119-124.	4.0	29
29	Facile synthesis of hollow Co ₃ O ₄ boxes for high capacity supercapacitor. <i>Journal of Power Sources</i> , 2013, 227, 101-105.	4.0	250
30	Al ³⁺ -controlled synthesis and magnetic property of γ -Fe ₂ O ₃ nanoplates. <i>CrystEngComm</i> , 2013, 15, 443-446.	1.3	48
31	Nickel ions inducing growth of high-index faceted γ -Fe ₂ O ₃ and their facet-controlled magnetic properties. <i>RSC Advances</i> , 2013, 3, 8261.	1.7	17
32	Inside Cover: Metal Ions Induce Growth and Magnetism Alternation of γ -Fe ₂ O ₃ Crystals Bound by High-Index Facets (<i>Chem. Eur. J.</i> 29/2012). <i>Chemistry - A European Journal</i> , 2012, 18, 8850-8850.	1.7	0
33	Metal Ions Induce Growth and Magnetism Alternation of γ -Fe ₂ O ₃ Crystals Bound by High-Index Facets. <i>Chemistry - A European Journal</i> , 2012, 18, 8957-8963.	1.7	57