

Cheng Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

3,661
citations

361413

20
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

5375
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printing of metal-based materials for renewable energy applications. <i>Nano Research</i> , 2021, 14, 2105-2132.	10.4	31
2	Printing Porous Carbon Aerogels for Low Temperature Supercapacitors. <i>Nano Letters</i> , 2021, 21, 3731-3737.	9.1	98
3	3D Printed Nickel-Molybdenum-Based Electrocatalysts for Hydrogen Evolution at Low Overpotentials in a Flow-Through Configuration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20260-20268.	8.0	22
4	Three-dimensional hierarchical nanoporous copper via direct ink writing and dealloying. <i>Scripta Materialia</i> , 2020, 177, 146-150.	5.2	32
5	Periodic Porous 3D Electrodes Mitigate Gas Bubble Traffic during Alkaline Water Electrolysis at High Current Densities. <i>Advanced Energy Materials</i> , 2020, 10, 2002955.	19.5	97
6	3D-Printed Structure Boosts the Kinetics and Intrinsic Capacitance of Pseudocapacitive Graphene Aerogels. <i>Advanced Materials</i> , 2020, 32, e1906652.	21.0	191
7	Efficient 3D Printed Pseudocapacitive Electrodes with Ultrahigh MnO ₂ Loading. <i>Joule</i> , 2019, 3, 459-470.	24.0	352
8	Three-dimensional carbon architectures for electrochemical capacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 529-545.	9.4	67
9	Direct ink writing of organic and carbon aerogels. <i>Materials Horizons</i> , 2018, 5, 1166-1175.	12.2	78
10	Toward digitally controlled catalyst architectures: Hierarchical nanoporous gold via 3D printing. <i>Science Advances</i> , 2018, 4, eaas9459.	10.3	140
11	3D-Printing of Meso-structurally Ordered Carbon Fiber/Polymer Composites with Unprecedented Orthotropic Physical Properties. <i>Scientific Reports</i> , 2017, 7, 43401.	3.3	238
12	3D-Printed Transparent Glass. <i>Advanced Materials</i> , 2017, 29, 1701181.	21.0	177
13	Direct metal writing: Controlling the rheology through microstructure. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	40
14	3D printed functional nanomaterials for electrochemical energy storage. <i>Nano Today</i> , 2017, 15, 107-120.	11.9	302
15	Ion Intercalation Induced Capacitance Improvement for Graphene-Based Supercapacitor Electrodes. <i>ChemNanoMat</i> , 2016, 2, 635-641.	2.8	41
16	Controlling Material Reactivity Using Architecture. <i>Advanced Materials</i> , 2016, 28, 1934-1939.	21.0	91
17	Multiphase separation of copper nanowires. <i>Chemical Communications</i> , 2016, 52, 11627-11630.	4.1	38
18	Supercapacitors Based on Three-Dimensional Hierarchical Graphene Aerogels with Periodic Macropores. <i>Nano Letters</i> , 2016, 16, 3448-3456.	9.1	608

#	ARTICLE	IF	CITATIONS
19	Highly compressible 3D periodic graphene aerogel microlattices. Nature Communications, 2015, 6, 6962.	12.8	928
20	Catenary shape evolution of spanning structures in direct-write assembly of colloidal gels. Journal of Materials Processing Technology, 2012, 212, 727-733.	6.3	27
21	Thixotropic rheology of concentrated alumina colloidal gels for solid freeform fabrication. Journal of Rheology, 2011, 55, 655-672.	2.6	62