

Cheng Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7221157/publications.pdf>

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	Highly compressible 3D periodic graphene aerogel microlattices. Nature Communications, 2015, 6, 6962.	12.8	928
2	Supercapacitors Based on Three-Dimensional Hierarchical Graphene Aerogels with Periodic Macropores. Nano Letters, 2016, 16, 3448-3456.	9.1	608
3	Efficient 3D Printed Pseudocapacitive Electrodes with Ultrahigh MnO ₂ Loading. Joule, 2019, 3, 459-470.	24.0	352
4	3D printed functional nanomaterials for electrochemical energy storage. Nano Today, 2017, 15, 107-120.	11.9	302
5	3D-Printing of Meso-structurally Ordered Carbon Fiber/Polymer Composites with Unprecedented Orthotropic Physical Properties. Scientific Reports, 2017, 7, 43401.	3.3	238
6	3D-Printed Structure Boosts the Kinetics and Intrinsic Capacitance of Pseudocapacitive Graphene Aerogels. Advanced Materials, 2020, 32, e1906652.	21.0	191
7	3D-Printed Transparent Glass. Advanced Materials, 2017, 29, 1701181.	21.0	177
8	Toward digitally controlled catalyst architectures: Hierarchical nanoporous gold via 3D printing. Science Advances, 2018, 4, eaas9459.	10.3	140
9	Printing Porous Carbon Aerogels for Low Temperature Supercapacitors. Nano Letters, 2021, 21, 3731-3737.	9.1	98
10	Periodic Porous 3D Electrodes Mitigate Gas Bubble Traffic during Alkaline Water Electrolysis at High Current Densities. Advanced Energy Materials, 2020, 10, 2002955.	19.5	97
11	Controlling Material Reactivity Using Architecture. Advanced Materials, 2016, 28, 1934-1939.	21.0	91
12	Direct ink writing of organic and carbon aerogels. Materials Horizons, 2018, 5, 1166-1175.	12.2	78
13	Three-dimensional carbon architectures for electrochemical capacitors. Journal of Colloid and Interface Science, 2018, 509, 529-545.	9.4	67
14	Thixotropic rheology of concentrated alumina colloidal gels for solid freeform fabrication. Journal of Rheology, 2011, 55, 655-672.	2.6	62
15	Ion Intercalation Induced Capacitance Improvement for Graphene-Based Supercapacitor Electrodes. ChemNanoMat, 2016, 2, 635-641.	2.8	41
16	Direct metal writing: Controlling the rheology through microstructure. Applied Physics Letters, 2017, 110, .	3.3	40
17	Multiphase separation of copper nanowires. Chemical Communications, 2016, 52, 11627-11630.	4.1	38
18	Three-dimensional hierarchical nanoporous copper via direct ink writing and dealloying. Scripta Materialia, 2020, 177, 146-150.	5.2	32

#	ARTICLE	IF	CITATIONS
19	3D printing of metal-based materials for renewable energy applications. Nano Research, 2021, 14, 2105-2132.	10.4	31
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	3D Printed Nickel-Molybdenum-Based Electrocatalysts for Hydrogen Evolution at Low Overpotentials in a Flow-Through Configuration. ACS Applied Materials & Interfaces, 2021, 13, 20260-20268.	8.0	22