

Ruisheng Guo

List of Publications by Year in descending order

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papers

1,886
citations

331538

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377752

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous Growth of 3D Framework Carbon from Sodium Citrate for High Energy and Power Density and Long Life Sodium-Ion Hybrid Capacitors. <i>Advanced Energy Materials</i> , 2018, 8, 1702409.	10.2	221
2	In-Plane Micro-Supercapacitors for an Integrated Device on One Piece of Paper. <i>Advanced Functional Materials</i> , 2017, 27, 1702394.	7.8	195
3	Matrix-Assisted Catalytic Printing for the Fabrication of Multiscale, Flexible, Foldable, and Stretchable Metal Conductors. <i>Advanced Materials</i> , 2013, 25, 3343-3350.	11.1	160
4	Three-Dimensional Compressible and Stretchable Conductive Composites. <i>Advanced Materials</i> , 2014, 26, 810-815.	11.1	156
5	A high-temperature flexible supercapacitor based on pseudocapacitive behavior of FeOOH in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8316-8327.	5.2	138
6	Engineering the Electrochemical Capacitive Properties of Microsupercapacitors Based on Graphene Quantum Dots/MnO ₂ Using Ionic Liquid Gel Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25378-25389.	4.0	99
7	Biomimicking Topographic Elastomeric Petals (EPetals) for Omnidirectional Stretchable and Printable Electronics. <i>Advanced Science</i> , 2015, 2, 1400021.	5.6	96
8	Watchband-Like Supercapacitors with Body Temperature Inducible Shape Memory Ability. <i>Advanced Energy Materials</i> , 2016, 6, 1600763.	10.2	94
9	Lubricating a bright future: Lubrication contribution to energy saving and low carbon emission. <i>Science China Technological Sciences</i> , 2013, 56, 2888-2913.	2.0	84
10	Mesoporous Ni-doped MnCo ₂ O ₄ hollow nanotubes as an anode material for sodium ion batteries with ultralong life and pseudocapacitive mechanism. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18392-18400.	5.2	68
11	Full-Solution Processed Flexible Organic Solar Cells Using Low-Cost Printable Copper Electrodes. <i>Advanced Materials</i> , 2014, 26, 7271-7278.	11.1	67
12	All-solid-state flexible microsupercapacitor based on two-dimensional titanium carbide. <i>Chinese Chemical Letters</i> , 2016, 27, 1586-1591.	4.8	62
13	Carbon encapsulated RuO ₂ nano-dots anchoring on graphene as an electrode for asymmetric supercapacitors with ultralong cycle life in an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8180-8189.	5.2	59
14	Field emission from the structure of well-aligned TiO ₂ /Ti nanotube arrays. <i>Thin Solid Films</i> , 2009, 517, 4390-4393.	0.8	40
15	Aqueous and Air-Compatible Fabrication of High-Performance Conductive Textiles. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2170-2177.	1.7	36
16	Electrospinning Synthesis of Mesoporous MnCoNiO _x @Double-Carbon Nanofibers for Sodium-Ion Battery Anodes with Pseudocapacitive Behavior and Long Cycle Life. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34342-34352.	4.0	36
17	Nitrogen-doped porous carbon nanospheres derived from hyper-crosslinked polystyrene as lubricant additives for friction and wear reduction. <i>Tribology International</i> , 2022, 169, 107458.	3.0	36
18	2D metal patterns transformed from 3D printed stamps for flexible Zn//MnO ₂ in-plane micro-batteries. <i>Chemical Engineering Journal</i> , 2022, 429, 132196.	6.6	30

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19	Localized Electron Density Redistribution in Fluorophosphate Cathode: Dangling Anion Regulation and Enhanced Na ⁺ Diffusivity for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, 2109694.	7.8	24
20	Electron field emission from the carbon-doped TiO ₂ nanotube arrays. <i>Thin Solid Films</i> , 2011, 519, 8173-8177.	0.8	21
21	Durable, Washable, and Flexible Conductive PET Fabrics Designed by Fiber Interfacial Molecular Engineering. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1383-1389.	1.7	21
22	Field emission cathode based on three-dimensional framework carbon and its operation under the driving of a triboelectric nanogenerator. <i>Nano Energy</i> , 2018, 49, 308-315.	8.2	20
23	Composite electrodes with NiCoAl-LDH coated Ti ₃ C ₂ T _x MXene and incorporated Ag nanowires for screen-printable in-plane hybrid supercapacitors on textiles. <i>Applied Surface Science</i> , 2022, 598, 153796.	3.1	20
24	Synthesis and field emission of diamond-like carbon nanorods on TiO ₂ /Ti nanotube arrays. <i>Applied Surface Science</i> , 2009, 256, 39-42.	3.1	17
25	Field emission from TiO ₂ /Ti nanotube arrays with different morphologies. <i>Physica B: Condensed Matter</i> , 2010, 405, 4682-4686.	1.3	15
26	Transferable, transparent and functional polymer@graphene 2D objects. <i>NPG Asia Materials</i> , 2014, 6, e130-e130.	3.8	13
27	A Review of MnO ₂ Composites Incorporated with Conductive Materials for Energy Storage. <i>Chemical Record</i> , 2022, 22, .	2.9	12
28	Highly durable hydrophobicity in simulated space environment. <i>RSC Advances</i> , 2014, 4, 28780-28785.	1.7	11
29	Stencil-printed electrodes without current collectors and inactive additives on textiles for in-plane microsupercapacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 25042-25050.	5.2	11
30	Polydimethylsiloxane-Assisted Catalytic Printing for Highly Conductive, Adhesive, and Precise Metal Patterns Enabled on Paper and Textiles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56597-56606.	4.0	9
31	Field Emission from TiO ₂ /Ti Nanotube Array Films Modified with Carbon Nanotubes. <i>Journal of the Korean Physical Society</i> , 2009, 55, 2662-2666.	0.3	8
32	Low-Temperature-Processed CdS as the Electron Selective Layer in an Organometal Halide Perovskite Photovoltaic Device. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800137.	1.2	4
33	Fabrication and field emission of carbon nanotubes/TiO ₂ /Ti composite nanostructures. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 1274-1278.	0.6	2