

Jianyun Cao

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,235
citations

257101

24
h-index

276539

41
g-index

42
all docs

42
docs citations

42
times ranked

3459
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Charge Transport at Grain Boundaries in SrTiO ₃ : Toward a High Thermoelectric Power Factor at Room Temperature. ACS Applied Materials & Interfaces, 2021, 13, 11879-11890.	4.0	36
2	A facile bioinspired strategy for accelerating water collection enabled by passive radiative cooling and wettability engineering. Materials and Design, 2021, 206, 109829.	3.3	29
3	Laser solid-phase synthesis of single-atom catalysts. Light: Science and Applications, 2021, 10, 168.	7.7	27
4	A visibly transparent radiative cooling film with self-cleaning function produced by solution processing. Journal of Materials Science and Technology, 2021, 90, 76-84.	5.6	42
5	Unlocking the energy storage potential of polypyrrole via electrochemical graphene oxide for high performance zinc-ion hybrid supercapacitors. Journal of Power Sources, 2021, 516, 230663.	4.0	36
6	3D Hierarchically Structured CoS Nanosheets: Li ⁺ Storage Mechanism and Application of the High-Performance Lithium-Ion Capacitors. ACS Applied Materials & Interfaces, 2020, 12, 3709-3718.	4.0	72
7	Pulsed electrochemical fabrication of graphene/polypyrrole composite gel films for high performance and flexible supercapacitors. Electrochimica Acta, 2020, 361, 137036.	2.6	34
8	Enhanced thermoelectric performance of poly(3-substituted thiophene)/single-walled carbon nanotube composites via polar side chain modification. Composites Science and Technology, 2020, 199, 108359.	3.8	17
9	Robust Inorganic Daytime Radiative Cooling Coating Based on a Phosphate Geopolymer. ACS Applied Materials & Interfaces, 2020, 12, 54963-54971.	4.0	53
10	High-Power Energy Storage from Carbon Electrodes Using Highly Acidic Electrolytes. Journal of Physical Chemistry C, 2020, 124, 20701-20711.	1.5	3
11	Unravelling the Mechanism of Rechargeable Aqueous Zn/MnO ₂ Batteries: Implementation of Charging Process by Electrodeposition of MnO ₂ . ChemSusChem, 2020, 13, 4103-4110.	3.6	74
12	Electronic devices based on solution-processed two-dimensional materials. , 2020, , 351-384.		6
13	Laser Assisted Solution Synthesis of High Performance Graphene Supported Electrocatalysts. Advanced Functional Materials, 2020, 30, 2001756.	7.8	23
14	A Universal Electrolyte Formulation for the Electrodeposition of Pristine Carbon and Polypyrrole Composites for Supercapacitors. ACS Applied Materials & Interfaces, 2020, 12, 13386-13399.	4.0	35
15	Screen-Printing of a Highly Conductive Graphene Ink for Flexible Printed Electronics. ACS Applied Materials & Interfaces, 2019, 11, 32225-32234.	4.0	174
16	Graphene/Polyelectrolyte Layer-by-Layer Coatings for Electromagnetic Interference Shielding. ACS Applied Nano Materials, 2019, 2, 5272-5281.	2.4	40
17	Systematic Comparison of Graphene Materials for Supercapacitor Electrodes. ChemistryOpen, 2019, 8, 418-428.	0.9	36
18	Supercapacitor Electrodes from the in Situ Reaction between Two-Dimensional Sheets of Black Phosphorus and Graphene Oxide. ACS Applied Materials & Interfaces, 2018, 10, 10330-10338.	4.0	44

#	ARTICLE	IF	CITATIONS
19	Electrically bioactive coating on Ti with bi-layered SnO ₂ –TiO ₂ hetero-structure for improving osseointegration. <i>Journal of Materials Chemistry B</i> , 2018, 6, 3989-3998.	2.9	5
20	Enhanced Osseointegration of Hierarchically Structured Ti Implant with Electrically Bioactive SnO ₂ –TiO ₂ Bilayered Surface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30191-30200.	4.0	26
21	Lasting high surface energy co-polyester ionomer and its application in laminated tin-free steel. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45174.	1.3	1
22	Facile Co-Electrodeposition Method for High-Performance Supercapacitor Based on Reduced Graphene Oxide/Polypyrrole Composite Film. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19831-19842.	4.0	108
23	Microarc oxidation coating covered Ti implants with micro-scale gouges formed by a multi-step treatment for improving osseointegration. <i>Materials Science and Engineering C</i> , 2017, 76, 908-917.	3.8	24
24	Effect of heat treatment atmosphere on the structure and apatite-inducing ability of Ca, P, Si and Na incorporated microarc oxidation coating on titanium. <i>Surface and Coatings Technology</i> , 2017, 310, 190-198.	2.2	5
25	Two-Step Electrochemical Intercalation and Oxidation of Graphite for the Mass Production of Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2017, 139, 17446-17456.	6.6	211
26	Graphene-enhanced electrodes for scalable supercapacitors. <i>Electrochimica Acta</i> , 2017, 257, 372-379.	2.6	71
27	Crystallization behavior of poly(ethylene terephthalate- <i>co</i> -neopentyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td application in laminated tin-free steel. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
28	Three-dimensional graphene oxide/polypyrrole composite electrodes fabricated by one-step electrodeposition for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14445-14457.	5.2	212
29	Materials and fabrication of electrode scaffolds for deposition of MnO ₂ and their true performance in supercapacitors. <i>Journal of Power Sources</i> , 2015, 293, 657-674.	4.0	93
30	The effect of NaOH concentration on the steam-hydrothermally treated bioactive microarc oxidation coatings containing Ca, P, Si and Na on pure Ti surface. <i>Materials Science and Engineering C</i> , 2015, 49, 669-680.	3.8	17
31	Synergistic Effects of Surface Chemistry and Topologic Structure from Modified Microarc Oxidation Coatings on Ti Implants for Improving Osseointegration. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8932-8941.	4.0	74
32	H ₂ Ti ₅ O ₁₁ ·H ₂ O nanorod arrays formed on a Ti surface via a hybrid technique of microarc oxidation and chemical treatment. <i>CrystEngComm</i> , 2015, 17, 2705-2717.	1.3	9
33	Flexible and solid-state asymmetric supercapacitor based on ternary graphene/MnO ₂ /carbon black hybrid film with high power performance. <i>Electrochimica Acta</i> , 2015, 182, 861-870.	2.6	77
34	Conformal coating containing Ca, P, Si and Na with double-level porous surface structure on titanium formed by a three-step microarc oxidation. <i>RSC Advances</i> , 2015, 5, 28908-28920.	1.7	16
35	The water-dependent decay mechanism of biaxially-oriented corona-treated polyethylene terephthalate films. <i>RSC Advances</i> , 2014, 4, 54805-54809.	1.7	6
36	Biocorrosion resistance of coated magnesium alloy by microarc oxidation in electrolyte containing zirconium and calcium salts. <i>Frontiers of Materials Science</i> , 2014, 8, 295-306.	1.1	10

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37	Electron beam "ballooned" carbon sphere derived from graphene oxide by a hydrazine assisted hydrothermal method. RSC Advances, 2014, 4, 5826.	1.7	6
38	Graphene/carbon black hybrid film for flexible and high rate performance supercapacitor. Journal of Power Sources, 2014, 271, 269-277.	4.0	150
39	Hollow graphene spheres self-assembled from graphene oxide sheets by a one-step hydrothermal process. Carbon, 2013, 56, 389-391.	5.4	55
40	High voltage asymmetric supercapacitor based on MnO ₂ and graphene electrodes. Journal of Electroanalytical Chemistry, 2013, 689, 201-206.	1.9	207
41	Ball-Milled Graphite as an Electrode Material for High Voltage Supercapacitor in Neutral Aqueous Electrolyte. Journal of the Electrochemical Society, 2012, 159, A579-A583.	1.3	48
42	Performances of high voltage electrochemical capacitor using ball-milled graphite/Mn ₃ O ₄ composite electrodes. Journal of Electroanalytical Chemistry, 2012, 682, 23-28.	1.9	17