

Xianfeng Du

List of Publications by Year in descending order

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25
papers

743
citations

516710

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docs citations

25
times ranked

1113
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide sheets-induced growth of nanostructured Fe ₃ O ₄ for a high-performance anode material of lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12938-12946.	10.3	98
2	Low-Cost Al ₂ O ₃ Coating Layer As a Preformed SEI on Natural Graphite Powder To Improve Coulombic Efficiency and High-Rate Cycling Stability of Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6512-6519.	8.0	89
3	Microwave-Assisted Synthesis of SnO ₂ @polypyrrole Nanotubes and Their Pyrolyzed Composite as Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15598-15606.	8.0	65
4	Polyaniline with high crystallinity degree: Synthesis, structure, and electrochemical properties. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	63
5	Polymer Electrode Materials for Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	52
6	Polypyrrole composites with carbon materials for supercapacitors. <i>Chemical Papers</i> , 2017, 71, 293-316.	2.2	49
7	Double roles of aluminium ion on surface-modified spinel LiMn _{1.97} Ti _{0.03} O ₄ . <i>Journal of Materials Chemistry</i> , 2011, 21, 4937.	6.7	34
8	High rate capabilities of HF-etched SiOC anode materials derived from polymer for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 43316-43321.	3.6	32
9	Electrochemical capacitance of the composite of poly (3,4-ethylenedioxythiophene) and functionalized single-walled carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 947-952.	2.5	28
10	Free-standing SiOC/nitrogen-doped carbon fibers with highly capacitive Li storage. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5238-5246.	5.7	28
11	One-step Preparation of Nanoarchitected TiO ₂ on Porous Al as Integrated Anode for High-performance Lithium-ion Batteries. <i>Scientific Reports</i> , 2016, 6, 20138.	3.3	27
12	Porous carbon-wrapped cerium oxide hollow spheres synthesized via microwave hydrothermal for long-cycle and high-rate lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 256, 110-118.	5.2	24
13	Self-assembled homogeneous SiOC@C/graphene with three-dimensional lamellar structure enabling improved capacity and rate performances for lithium ion storage. <i>Carbon</i> , 2022, 186, 273-281.	10.3	24
14	Surface Modification of Al Foils for Aluminum Electrolytic Capacitor. <i>Advanced Functional Materials</i> , 2017, 27, 1606042.	14.9	22
15	Ordered distributed nickel sulfide nanoparticles across graphite nanosheets for efficient oxygen evolution reaction electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1544-1554.	7.1	20
16	Ultrahigh-Areal Capacitance Flexible Supercapacitors Based on Laser Assisted Construction of Hierarchical Aligned Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2021, 31, 2104531.	14.9	19
17	Formation of Al ₂ O ₃ @BaTiO ₃ nanocomposite oxide films on etched aluminum foil by sol-gel coating and anodizing. <i>Journal of Sol-Gel Science and Technology</i> , 2008, 45, 57-61.	2.4	16
18	Enhanced capacitance performance of Al ₂ O ₃ @TiO ₂ composite thin film via sol-gel using double chelators. <i>Journal of Colloid and Interface Science</i> , 2015, 443, 170-176.	9.4	15

#	ARTICLE	IF	CITATIONS
19	Recent progress in the synthesis and applications of vertically aligned carbon nanotube materials. Nanotechnology Reviews, 2021, 10, 1592-1623.	5.8	14
20	Progress and Trends in Nonaqueous Rechargeable Aluminum Batteries. Advanced Sustainable Systems, 2022, 6, .	5.3	9
21	Effect of mosaicity on energy storage performance of epitaxial BaZr _{0.35} Ti _{0.65} O ₃ films. Applied Physics Letters, 2021, 118, .	3.3	6
22	Symmetric Pulsed Anodizing of Aluminum Foil for Aluminum Electrolytic Capacitors. ACS Applied Energy Materials, 2020, 3, 1804-1810.	5.1	5
23	V ₂ O ₅ @TiO ₂ composite as cathode material for lithium-ion storage with excellent performance. Journal of Solid State Electrochemistry, 2020, 24, 2419-2425.	2.5	3
24	A hydrogen evolution catalyst lowering energy consumption in aluminum anodization. Inorganic Chemistry Frontiers, 2021, 8, 3284-3291.	6.0	1
25	Towards ultrafine TiO ₂ nanocrystal at room temperature. Journal of Sol-Gel Science and Technology, 2014, 72, 310-313.	2.4	0