

Jaewoo Lee

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,715
citations

331670

21
h-index

552781

26
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27
all docs

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docs citations

27
times ranked

2719
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductive polymers for next-generation energy storage systems: recent progress and new functions. <i>Materials Horizons</i> , 2016, 3, 517-535.	12.2	272
2	Everlasting Living and Breathing Gyroid 3D Network in Si@SiO _x /C Nanoarchitecture for Lithium Ion Battery. <i>ACS Nano</i> , 2019, 13, 9607-9619.	14.6	165
3	Nanoarchitecture of MOF-derived nanoporous functional composites for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15065-15072.	10.3	146
4	Facile Synthesis of Carbon-Coated Silicon/Graphite Spherical Composites for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12109-12117.	8.0	130
5	CNTs grown on nanoporous carbon from zeolitic imidazolate frameworks for supercapacitors. <i>Chemical Communications</i> , 2016, 52, 13016-13019.	4.1	109
6	Piezo/triboelectric nanogenerators based on 2-dimensional layered structure materials. <i>Nano Energy</i> , 2019, 57, 680-691.	16.0	108
7	Dual-Size Silicon Nanocrystal-Embedded SiO _x Nanocomposite as a High-Capacity Lithium Storage Material. <i>ACS Nano</i> , 2015, 9, 7690-7696.	14.6	107
8	Hydrogen Silsequioxane-Derived Si/SiO _x Nanospheres for High-Capacity Lithium Storage Materials. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9608-9613.	8.0	93
9	Functionality of Dual-Phase Lithium Storage in a Porous Carbon Host for Lithium-Metal Anode. <i>Advanced Functional Materials</i> , 2020, 30, 1910538.	14.9	68
10	Research Update: Hybrid energy devices combining nanogenerators and energy storage systems for self-charging capability. <i>APL Materials</i> , 2017, 5, .	5.1	59
11	Structurally stabilized lithium-metal anode via surface chemistry engineering. <i>Energy Storage Materials</i> , 2021, 37, 315-324.	18.0	46
12	A Highly Resilient Mesoporous SiO _x Lithium Storage Material Engineered by Oil-Water Templating. <i>ChemSusChem</i> , 2015, 8, 688-694.	6.8	45
13	Lithium metal storage in zeolitic imidazolate framework derived nanoarchitectures. <i>Energy Storage Materials</i> , 2020, 33, 95-107.	18.0	40
14	Macaroni Fullerene Crystals-Derived Mesoporous Carbon Tubes as a High Rate Performance Supercapacitor Electrode Material. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1502-1509.	3.2	40
15	Mesoporous Manganese Phosphonate Nanorods as a Prospective Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19739-19745.	8.0	38
16	Strategically Designed Zeolitic Imidazolate Frameworks for Controlling the Degree of Graphitization. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1474-1480.	3.2	38
17	Design of cobalt catalysed carbon nanotubes in bimetallic zeolitic imidazolate frameworks. <i>Applied Surface Science</i> , 2021, 547, 149134.	6.1	33
18	Highly Ordered Mesostructured Vanadium Phosphonate toward Electrode Materials for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2017, 23, 4344-4352.	3.3	30

#	ARTICLE	IF	CITATIONS
19	Patchable and Implantable 2D Nanogenerator. <i>Small</i> , 2021, 17, e1903519.	10.0	30
20	Tuning the surface chemistry of natural graphite anode by H ₃ PO ₄ and H ₃ BO ₃ treatments for improving electrochemical and thermal properties. <i>Carbon</i> , 2013, 62, 278-287.	10.3	29
21	Electrochemical properties of nonstoichiometric silicon suboxide anode materials with controlled oxygen concentration. <i>Composites Part B: Engineering</i> , 2019, 174, 107024.	12.0	25
22	Mechanochemically Reduced SiO ₂ by Ti Incorporation as Lithium Storage Materials. <i>ChemSusChem</i> , 2015, 8, 3111-3117.	6.8	17
23	Unique nanocrystalline frameworks in mesoporous tin phosphate prepared through a hydrofluoric acid assisted chemical reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18091-18099.	10.3	14
24	Stabilizing Li-metal host anode with LiF-rich solid electrolyte interphase. <i>Nano Convergence</i> , 2021, 8, 18.	12.1	12
25	Si Nanocrystal-Embedded SiO _x nanofolds: Two-Dimensional Nanotechnology-Enabled High Performance Li Storage Materials. <i>Scientific Reports</i> , 2018, 8, 6904.	3.3	11
26	NH ₄ PF ₆ as a Structural Modifier for Building a Robust Carbon-Coated Natural Graphite Anode for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2014, 1, 1672-1678.	3.4	10
27	2D Nanogenerators: Patchable and Implantable 2D Nanogenerator (<i>Small</i> 9/2021). <i>Small</i> , 2021, 17, 2170039.	10.0	0