

Hyung Mo Jeong

List of Publications by Year in descending order

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32
papers

3,248
citations

471509

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395702

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times ranked

6259
citing authors

#	ARTICLE	IF	CITATIONS
1	Compensating the impurities on the Cu surface by MOFs for enhanced hydrocarbon production in the electrochemical reduction of carbon dioxide. <i>Journal of Energy Chemistry</i> , 2022, 66, 68-73.	12.9	7
2	Design of less than 1Ånm Scale Spaces on SnO ₂ Nanoparticles for High-Performance Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2022, 32, 2107349.	14.9	23
3	Origination of forced particle-void networks for superior electron and mass transfer in binder-free supercapacitors. <i>Scripta Materialia</i> , 2022, 208, 114317.	5.2	1
4	Synthesis of flower-like manganese oxide for accelerated surface redox reactions on nitrogen-rich graphene of fast charge transport for sustainable aqueous energy storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7668-7676.	10.3	5
5	Nano-Conductive Additive with Low Interfacial Energy Confining the Movement of Lithium Polysulfide Solution Enables Stable Reaction of Sulfur Electrode in Lithium-Sulfur Batteries. <i>Batteries and Supercaps</i> , 2022, 5, .	4.7	0
6	Efficient Lithium Growth Control from Ordered Nitrogen-Chelated Lithium-Ion for High Performance Lithium Metal Batteries. <i>Advanced Science</i> , 2021, 8, 2002144.	11.2	9
7	Electrochemically Li-intercalated TiO ₂ nanoparticles for High performance photocatalytic production of hydrogen. <i>Catalysis Today</i> , 2021, 359, 23-27.	4.4	8
8	Porous polymer thin film encapsulated sulfur nanoparticles on graphene via partial evaporation for high-performance lithium-sulfur batteries. <i>Applied Surface Science</i> , 2021, 547, 149199.	6.1	13
9	Improving CO ₂ Electrochemical Reduction to CO Using Space Confinement between Gold or Silver Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1896-1902.	4.6	23
10	Thermoelectric Transport Properties of n-Type Sb-doped (Hf,Zr,Ti)NiSn Half-Heusler Alloys Prepared by Temperature-Regulated Melt Spinning and Spark Plasma Sintering. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4963.	2.5	13
11	Generic Strategy to Synthesize High-Tap Density Anode and Cathode Structures with Stratified Graphene Pliable Pockets via Monomeric Polymerization and Evaporation, and Their Utilization to Enable Ultrahigh Performance in Hybrid Energy Storages. <i>Small</i> , 2020, 16, 2001756.	10.0	11
12	Unveiling Electrode-Electrolyte Design-Based NO Reduction for NH ₃ Synthesis. <i>ACS Energy Letters</i> , 2020, 5, 3647-3656.	17.4	97
13	Charge Transport Behavior of Al-Doped ZnO Incorporated with Reduced Graphene Oxide Nanocomposite Thin Film. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7703.	2.5	1
14	Facile and accelerated production of RuO ₂ monolayers via a dual-step intercalation process. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1445-1450.	6.0	5
15	Atomic-Scale Spacing between Copper Facets for the Electrochemical Reduction of Carbon Dioxide. <i>Advanced Energy Materials</i> , 2020, 10, 1903423.	19.5	32
16	Effect of Flash Light Sintering on Silver Nanowire Electrode Networks. <i>Materials</i> , 2020, 13, 404.	2.9	6
17	Heavy metal removal applications using adsorptive membranes. <i>Nano Convergence</i> , 2020, 7, 36.	12.1	114
18	Metal-organic framework-mediated strategy for enhanced methane production on copper nanoparticles in electrochemical CO ₂ reduction. <i>Electrochimica Acta</i> , 2019, 306, 28-34.	5.2	65

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19	Fabrication and characterization of zeolitic imidazolate framework-embedded cellulose acetate membranes for osmotically driven membrane process. <i>Scientific Reports</i> , 2019, 9, 5779.	3.3	13
20	Protective carbon-coated silicon nanoparticles with graphene buffer layers for high performance anodes in lithium-ion batteries. <i>Applied Surface Science</i> , 2019, 467-468, 926-931.	6.1	30
21	Cutting-Processed Single-Wall Carbon Nanotubes with Additional Edge Sites for Supercapacitor Electrodes. <i>Nanomaterials</i> , 2018, 8, 464.	4.1	8
22	Synthesis of Pseudocapacitive Porous Metal Oxide Nanoclusters Anchored on Graphene for Aqueous Energy Storage Devices with High Energy Density and Long Cycling Stability along with Ultrafast Charging Capability. <i>Advanced Functional Materials</i> , 2018, 28, 1803695.	14.9	20
23	Rescaling of metal oxide nanocrystals for energy storage having high capacitance and energy density with robust cycle life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7914-7919.	7.1	38
24	Hierarchical Si hydrogel architecture with conductive polyaniline channels on sulfonated-graphene for high-performance Li ion battery anodes having a robust cycle life. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10238-10242.	10.3	22
25	Nickel oxide encapsulated nitrogen-rich carbon hollow spheres with multiporosity for high-performance pseudocapacitors having extremely robust cycle life. <i>Energy and Environmental Science</i> , 2015, 8, 188-194.	30.8	90
26	A metal-organic framework as a chemical guide to control hydrogen desorption pathways of ammonia borane. <i>Nanoscale</i> , 2014, 6, 6526-6530.	5.6	25
27	Nitrogen-doped open pore channeled graphene facilitating electrochemical performance of TiO_2 nanoparticles as an anode material for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5182-5186.	10.3	119
28	Supercapacitors of Nanocrystalline Metal-Organic Frameworks. <i>ACS Nano</i> , 2014, 8, 7451-7457.	14.6	660
29	Extremely stable cycling of ultra-thin V_2O_5 nanowire-graphene electrodes for lithium rechargeable battery cathodes. <i>Energy and Environmental Science</i> , 2012, 5, 9889.	30.8	159
30	Silicon@porous nitrogen-doped carbon spheres through a bottom-up approach are highly robust lithium-ion battery anodes. <i>RSC Advances</i> , 2012, 2, 4311.	3.6	73
31	Nitrogen-Doped Graphene for High-Performance Ultracapacitors and the Importance of Nitrogen-Doped Sites at Basal Planes. <i>Nano Letters</i> , 2011, 11, 2472-2477.	9.1	1,547
32	Ultrasonic assisted exfoliation for efficient production of RuO_2 monolayer nanosheets. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	5