Myung-Jun Kwak

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10951871/publications.pdf

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23	1,074	516710 16	677142 22
papers	citations	h-index	g-index

24	24	24	1580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fully flexible, lightweight, high performance all-solid-state supercapacitor based on 3-Dimensional-graphene/graphite-paper. Journal of Power Sources, 2017, 337, 159-165.	7.8	250
2	Selfâ€Assembling Films of Covalent Organic Frameworks Enable Longâ€Term, Efficient Cycling of Zincâ€Ion Batteries. Advanced Materials, 2021, 33, e2101726.	21.0	114
3	A Titaniumâ€Doped SiO_x Passivation Layer for Greatly Enhanced Performance of a Hematiteâ€Based Photoelectrochemical System. Angewandte Chemie - International Edition, 2016, 55, 9922-9926.	13.8	90
4	Jabuticabaâ€Inspired Hybrid Carbon Filler/Polymer Electrode for Use in Highly Stretchable Aqueous Liâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1702478.	19.5	82
5	Boron Doping of Metal-Doped Hematite for Reduced Surface Recombination in Water Splitting. ACS Catalysis, 2018, 8, 11932-11939.	11.2	80
6	Nanoporous hematite structures to overcome short diffusion lengths in water splitting. Journal of Materials Chemistry A, 2014, 2, 19999-20003.	10.3	76
7	NiFeOx decorated Ge-hematite/perovskite for an efficient water splitting system. Nature Communications, 2021, 12, 4309.	12.8	71
8	A selectively decorated Ti-FeOOH co-catalyst for a highly efficient porous hematite-based water splitting system. Journal of Materials Chemistry A, 2016, 4, 18730-18736.	10.3	47
9	Single-Step Synthesis of N-Doped Three-Dimensional Graphitic Foams for High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2017, 5, 6950-6957.	6.7	45
10	MoSx supported hematite with enhanced photoelectrochemical performance. Journal of Materials Chemistry A, 2015, 3, 21444-21450.	10.3	33
11	A highly transparent thin film hematite with multi-element dopability for an efficient unassisted water splitting system. Nano Energy, 2020, 76, 105089.	16.0	29
12	Unveiling the Role of the Ti Dopant and Viable Si Doping of Hematite for Practically Efficient Solar Water Splitting. ACS Catalysis, 2022, 12, 5112-5122.	11.2	28
13	Co₃O₄ Exsolved Defective Layered Perovskite Oxide for Energy Storage Systems. ACS Energy Letters, 2020, 5, 3828-3836.	17.4	25
14	Graphene Quantum Dotâ€Protected Cadmium Selenide Quantum Dotâ€Sensitized Photoanode for Efficient Photoelectrochemical Cells with Enhanced Stability and Performance. Advanced Optical Materials, 2015, 3, 907-912.	7.3	24
15	A Titaniumâ€Doped SiO_x Passivation Layer for Greatly Enhanced Performance of a Hematiteâ€Based Photoelectrochemical System. Angewandte Chemie, 2016, 128, 10076-10080.	2.0	18
16	Electroactive 1T-MoS₂ Fluoroelastomer Ink for Intrinsically Stretchable Solid-State In-Plane Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 26870-26878.	8.0	17
17	Graphitization with Suppressed Carbon Loss for High-Quality Reduced Graphene Oxide. ACS Nano, 2021, 15, 11655-11666.	14.6	17
18	Sn-Controlled Co-Doped Hematite for Efficient Solar-Assisted Chargeable Znâ€“Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 54906-54915.	8.0	10

#	Article	IF	Citations
19	Stress-Relief Network in Silicon Microparticles and Composite Anodes for Durable High-Energy-Density Batteries. ACS Applied Energy Materials, 2021, 4, 10050-10058.	5.1	8
20	Hierarchically Structured Multidimensional Carbon Composite Anchored to a Polymer Mat for a Superflexible Supercapacitor. ACS Applied Energy Materials, 2019, 2, 389-397.	5.1	6
21	Highly Stable Germanium Microparticle Anodes with a Hybrid Conductive Shell for High Volumetric and Fast Lithium Storage. ACS Applied Materials & Interfaces, 2022, 14, 750-760.	8.0	2
22	Quantum Dots: Graphene Quantum Dotâ€Protected Cadmium Selenide Quantum Dotâ€Sensitized Photoanode for Efficient Photoelectrochemical Cells with Enhanced Stability and Performance (Advanced Optical Materials 7/2015). Advanced Optical Materials, 2015, 3, 978-978.	7.3	1
23	Critical Void Dimension of Carbon Frameworks to Accommodate Insoluble Products of Lithiumâ€“Oxygen Batteries. ACS Applied Materials & Interfaces, 2022, 14, 492-501.	8.0	1