

Minyeong Je

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

759
citations

840776

11
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

1283
citing authors

#	ARTICLE	IF	CITATIONS
1	Advantageous crystallineâ€“amorphous phase boundary for enhanced electrochemical water oxidation. Energy and Environmental Science, 2019, 12, 2443-2454.	30.8	315
2	Understanding the anchoring behavior of titanium carbide-based MXenes depending on the functional group in Li S batteries: A density functional theory study. Journal of Power Sources, 2017, 342, 64-69.	7.8	135
3	Chemical and structural engineering of transition metal boride towards excellent and sustainable hydrogen evolution reaction. Nano Energy, 2020, 67, 104245.	16.0	79
4	Ultrasonic Plasma Engineering Toward Facile Synthesis of Single-Atom M-N4/N-Doped Carbon (M=Co, Fe, Ni, Cu, Pt) for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2020, 12, 13, 60.	27.0	63
5	Structural stability and electronic properties of multi-functionalized two-dimensional chromium carbides. Thin Solid Films, 2016, 619, 131-136.	1.8	33
6	Boosting nitrogen-doping and controlling interlayer spacing in pre-reduced graphene oxides. Nano Energy, 2020, 78, 105286.	16.0	24
7	Theoretical Approach toward Optimum Anion-Doping on MXene Catalysts for Hydrogen Evolution Reaction: an Ab Initio Thermodynamics Study. ACS Applied Materials & Interfaces, 2021, 13, 37035-37043.	8.0	17
8	Rational nanopositioning of homogeneous amorphous phase on crystalline tungsten oxide for boosting solar water oxidation. Chemical Engineering Journal, 2022, 438, 135532.	12.7	14
9	Structural Evolutions of Vertically Aligned Two-Dimensional MoS ₂ Layers Revealed by in Situ Heating Transmission Electron Microscopy. Journal of Physical Chemistry C, 2019, 123, 27843-27853.	3.1	13
10	Mapping Point Defects of Brookite TiO ₂ for Photocatalytic Activity Beyond Anatase and P25. Journal of Physical Chemistry C, 2020, 124, 10376-10384.	3.1	12
11	Layer Orientation-Engineered Two-Dimensional Platinum Ditelluride for High-Performance Direct Alcohol Fuel Cells. ACS Energy Letters, 2021, 6, 3481-3487.	17.4	12
12	Theoretical dopant screening and processing optimization for vanadium disulfide as cathode material for Li-air batteries: A density functional theory study. Applied Surface Science, 2020, 508, 145276.	6.1	8
13	Electric field-driven one-step formation of vertical n junction TiO ₂ nanotubes exhibiting strong photocatalytic hydrogen production. Journal of Materials Chemistry A, 2021, 9, 2239-2247.	10.3	8
14	Triple-Vertex Linkage of (BO ₄) ²⁻ Tetrahedra in a Borosulfate: Synthesis, Crystal Structure, and Quantum Chemical Investigation of Sr[B ₃ O ₄](SO ₄) ₄ (SO ₄ H). Angewandte Chemie - International Edition, 2021, 60, 19740-19743.	13.8	8
15	Investigation of the initial reactions of lithium oxides on the graphitic carbon nitrides (g-C ₃ N ₄) for catalyst in non-aqueous lithium - air batteries: A first-principles calculations. Thin Solid Films, 2018, 660, 186-190.	1.8	6
16	Manipulatable Interface Electric Field and Charge Transfer in a 2D/2D Heterojunction Photocatalyst via Oxygen Intercalation. Catalysts, 2020, 10, 469.	3.5	5
17	Strategy to utilize amorphous phase of semiconductor toward excellent and reliable photochemical water splitting performance: Roles of interface dipole moment and reaction parallelization. International Journal of Energy Research, 2022, 46, 3674-3685.	4.5	5
18	Surface structure effect on the magnetic anisotropy of Co/Pd (001) thin film: A first principles study. Thin Solid Films, 2015, 589, 252-257.	1.8	2