

Minyeong Je

List of Publications by Year in descending order

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18
papers

759
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840776

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1283
citing authors

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