

Ik Seon Kwon

List of Publications by Year in descending order

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citations

394286

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times ranked

1550
citing authors

#	ARTICLE	IF	CITATIONS
1	Polytypic Phase Transition of Nb _{1-x} V _x Se ₂ via Colloidal Synthesis and Their Catalytic Activity toward Hydrogen Evolution Reaction. ACS Nano, 2022, 16, 4278-4288.	7.3	18
2	Polymorphic Ga ₂ S ₃ nanowires: phase-controlled growth and crystal structure calculations. Nanoscale Advances, 2022, 4, 3218-3225.	2.2	1
3	Chalcogen-vacancy group VI transition metal dichalcogenide nanosheets for electrochemical and photoelectrochemical hydrogen evolution. Journal of Materials Chemistry C, 2021, 9, 101-109.	2.7	20
4	Anisotropic 2D SiAs for High-Performance UV-Visible Photodetectors. Small, 2021, 17, e2006310.	5.2	35
5	Concurrent Vacancy and Adatom Defects of Mo _{1-x} Nb _x Se ₂ Alloy Nanosheets Enhance Electrochemical Performance of Hydrogen Evolution Reaction. ACS Nano, 2021, 15, 5467-5477.	7.3	51
6	Phase-Transition Mo _{1-x} V _x Se ₂ Alloy Nanosheets with Rich V-Se Vacancies and Their Enhanced Catalytic Performance of Hydrogen Evolution Reaction. ACS Nano, 2021, 15, 14672-14682.	7.3	31
7	Anisotropic alloying of Re _{1-x} Mo _x S ₂ nanosheets to boost the electrochemical hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 25131-25141.	5.2	21
8	Adatom Doping of Transition Metals in ReSe ₂ Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 12184-12194.	7.3	67
9	Phase Evolution of Re _{1-x} Mo _x Se ₂ Alloy Nanosheets and Their Enhanced Catalytic Activity toward Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 11995-12005.	7.3	59
10	Ruthenium Nanoparticles on Cobalt-Doped 1T ₂ Phase MoS ₂ Nanosheets for Overall Water Splitting. Small, 2020, 16, e2000081.	5.2	82
11	Nickel sulfide nanocrystals for electrochemical and photoelectrochemical hydrogen generation. Journal of Materials Chemistry C, 2020, 8, 3240-3247.	2.7	17
12	Se-Rich MoSe ₂ Nanosheets and Their Superior Electrocatalytic Performance for Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 6295-6304.	7.3	125
13	Two-dimensional MoS ₂ /Fe-phthalocyanine hybrid nanostructures as excellent electrocatalysts for hydrogen evolution and oxygen reduction reactions. Nanoscale, 2019, 11, 14266-14275.	2.8	32
14	Two-dimensional MoS ₂ -melamine hybrid nanostructures for enhanced catalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 22571-22578.	5.2	14
15	GaAsSe Ternary Alloy Nanowires for Enhanced Photoconductivity. Journal of Physical Chemistry C, 2019, 123, 3908-3915.	1.5	3
16	Nickel phosphide polymorphs with an active (001) surface as excellent catalysts for water splitting. CrystEngComm, 2019, 21, 1143-1149.	1.3	19
17	Two dimensional MoS ₂ meets porphyrins via intercalation to enhance the electrocatalytic activity toward hydrogen evolution. Nanoscale, 2019, 11, 3780-3785.	2.8	21
18	Intercalated complexes of 1T ₂ -MoS ₂ nanosheets with alkylated phenylenediamines as excellent catalysts for electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 2334-2343.	5.2	41

#	ARTICLE	IF	CITATIONS
19	Thickness-dependent bandgap and electrical properties of GeP nanosheets. Journal of Materials Chemistry A, 2019, 7, 16526-16532.	5.2	45
20	Intercalation of cobaltocene into WS ₂ nanosheets for enhanced catalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 8101-8106.	5.2	26
21	Selective electrochemical reduction of carbon dioxide to formic acid using indium-zinc bimetallic nanocrystals. Journal of Materials Chemistry A, 2019, 7, 22879-22883.	5.2	39
22	Stable methylammonium-intercalated 1T-MoS ₂ for efficient electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 5613-5617.	5.2	38
23	Two-Dimensional WS ₂ @Nitrogen-Doped Graphite for High-Performance Lithium Ion Batteries: Experiments and Molecular Dynamics Simulations. ACS Applied Materials & Interfaces, 2018, 10, 37928-37936.	4.0	28
24	Orthorhombic NiSe ₂ Nanocrystals on Si Nanowires for Efficient Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 33198-33204.	4.0	49
25	Intercalation of aromatic amine for the 2H-1T phase transition of MoS ₂ by experiments and calculations. Nanoscale, 2018, 10, 11349-11356.	2.8	54
26	Nitrogen-rich 1T-MoS ₂ layered nanostructures using alkyl amines for high catalytic performance toward hydrogen evolution. Nanoscale, 2018, 10, 14726-14735.	2.8	39
27	Surface-Modified Ta ₃ N ₅ Nanocrystals with Boron for Enhanced Visible-Light-Driven Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 36715-36722.	4.0	20
28	IrO ₂ -ZnO Hybrid Nanoparticles as Highly Efficient Trifunctional Electrocatalysts. Journal of Physical Chemistry C, 2017, 121, 14899-14906.	1.5	35