Ik Seon Kwon

List of Publications by Year
in descending order

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28 papers	1,030 citations	394286 19 h-index	501076 28 g-index
28 all docs	28 docs citations	28 times ranked	1550 citing authors

#	Article	IF	Citations
1	Se-Rich MoSe₂ Nanosheets and Their Superior Electrocatalytic Performance for Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 6295-6304.	7.3	125
2	Ruthenium Nanoparticles on Cobaltâ€Doped 1Tâ€² Phase MoS₂ Nanosheets for Overall Water Splitting. Small, 2020, 16, e2000081.	5.2	82
3	Adatom Doping of Transition Metals in ReSe₂ Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 12184-12194.	7.3	67
4	Phase Evolution of Re_{1â€“x}Mo_xSe₂ Alloy Nanosheets and Their Enhanced Catalytic Activity toward Hydrogen Evolution Reaction. ACS Nano, 2020, 14, 11995-12005.	7.3	59
5	Intercalation of aromatic amine for the 2Hâ€“1Tâ€² phase transition of MoS₂ by experiments and calculations. Nanoscale, 2018, 10, 11349-11356.	2.8	54
6	Concurrent Vacancy and Adatom Defects of Mo_{1â€“x}Nb_xSe₂ Alloy Nanosheets Enhance Electrochemical Performance of Hydrogen Evolution Reaction. ACS Nano, 2021, 15, 5467-5477.	7.3	51
7	Orthorhombic NiSe₂ Nanocrystals on Si Nanowires for Efficient Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 33198-33204.	4.0	49
8	Thickness-dependent bandgap and electrical properties of GeP nanosheets. Journal of Materials Chemistry A, 2019, 7, 16526-16532.	5.2	45
9	Intercalated complexes of 1Tâ€²-MoS₂ nanosheets with alkylated phenylenediamines as excellent catalysts for electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 2334-2343.	5.2	41
10	Nitrogen-rich 1Tâ€²-MoS₂ layered nanostructures using alkyl amines for high catalytic performance toward hydrogen evolution. Nanoscale, 2018, 10, 14726-14735.	2.8	39
11	Selective electrochemical reduction of carbon dioxide to formic acid using indiumâ€“zinc bimetallic nanocrystals. Journal of Materials Chemistry A, 2019, 7, 22879-22883.	5.2	39
12	Stable methylammonium-intercalated 1Tâ€²-MoS₂ for efficient electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 5613-5617.	5.2	38
13	IrO₂â€“ZnO Hybrid Nanoparticles as Highly Efficient Trifunctional Electrocatalysts. Journal of Physical Chemistry C, 2017, 121, 14899-14906.	1.5	35
14	Anisotropic 2D SiAs for Highâ€Performance UVâ€“Visible Photodetectors. Small, 2021, 17, e2006310.	5.2	35
15	Two-dimensional MoS₂/Fe-phthalocyanine hybrid nanostructures as excellent electrocatalysts for hydrogen evolution and oxygen reduction reactions. Nanoscale, 2019, 11, 14266-14275.	2.8	32
16	Phase-Transition Mo_{1â€“x}V_xSe₂ Alloy Nanosheets with Rich Vâ€“Se Vacancies and Their Enhanced Catalytic Performance of Hydrogen Evolution Reaction. ACS Nano, 2021, 15, 14672-14682.	7.3	31
17	Two-Dimensional WS₂@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
18	Intercalation of cobaltocene into WS₂ nanosheets for enhanced catalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 8101-8106.	5.2	26

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19	Two dimensional MoS2 meets porphyrins via intercalation to enhance the electrocatalytic activity toward hydrogen evolution. Nanoscale, 2019, 11, 3780-3785.	2.8	21
20	Anisotropic alloying of Re_{1â^'x}Mo_xS₂ nanosheets to boost the electrochemical hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 25131-25141.	5.2	21
21	Surface-Modified Ta₃N₅ Nanocrystals with Boron for Enhanced Visible-Light-Driven Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 36715-36722.	4.0	20
22	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
23	Nickel phosphide polymorphs with an active (001) surface as excellent catalysts for water splitting. CrystEngComm, 2019, 21, 1143-1149.	1.3	19
24	Polytypic Phase Transition of Nb_{1â€“x}V_xSe₂ via Colloidal Synthesis and Their Catalytic Activity toward Hydrogen Evolution Reaction. ACS Nano, 2022, 16, 4278-4288.	7.3	18
25	Nickel sulfide nanocrystals for electrochemical and photoelectrochemical hydrogen generation. Journal of Materials Chemistry C, 2020, 8, 3240-3247.	2.7	17
26	Two-dimensional MoS₂â€“melamine hybrid nanostructures for enhanced catalytic hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 22571-22578.	5.2	14
27	GaAsSe Ternary Alloy Nanowires for Enhanced Photoconductivity. Journal of Physical Chemistry C, 2019, 123, 3908-3915.	1.5	3
28	Polymorphic Ga₂S₃ nanowires: phase-controlled growth and crystal structure calculations. Nanoscale Advances, 2022, 4, 3218-3225.	2.2	1