

Ying Xu

List of Publications by Year in descending order

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14
papers

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840776

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642
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Z-scheme arsenene/HfS ₂ van der Waals heterojunction for overall photocatalytic water splitting: First-principles study. Applied Surface Science, 2022, 574, 151650.	6.1	25
2	Z-scheme SnC/HfS ₂ van der Waals heterojunction increases photocatalytic overall water splitting. Journal Physics D: Applied Physics, 2022, 55, 315503.	2.8	13
3	Investigation of the electronic structure of two-dimensional GaN/ZrCO ₂ hetero-junction: Type-II band alignment with tunable bandgap. Applied Surface Science, 2021, 542, 148505.	6.1	28
4	The unique carrier mobility of Janus MoSSe/GaN heterostructures. Frontiers of Physics, 2021, 16, 1.	5.0	18
5	Enhanced N ₂ fixation on V ₂ C by transition metal doping: First-principles calculation. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 134, 114875.	2.7	9
6	Adsorption behaviors of HCN, SO ₂ , H ₂ S and NO molecules on graphitic carbon nitride with Mo atom decoration. Applied Surface Science, 2020, 501, 144199.	6.1	38
7	A promising blue phosphorene/C ₂ N van der Waals type-II heterojunction as a solar photocatalyst: a first-principles study. Physical Chemistry Chemical Physics, 2020, 22, 615-623.	2.8	43
8	Evaluation procedure of photocatalysts for VOCs degradation from the view of density functional theory calculations: g-C ₃ N ₄ dots/graphene as an example. Journal of Materials Chemistry A, 2020, 8, 20363-20372.	10.3	54
9	The InSe/SiH type-II van der Waals heterostructure as a promising water splitting photocatalyst: a first-principles study. Physical Chemistry Chemical Physics, 2020, 22, 21436-21444.	2.8	30
10	Passivated B-O, B-S codoping to improve the photocatalytic efficiency in C ₂ N monolayer: First-principles study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126326.	2.1	6
11	Nitrogen fixation on a single Mo atom embedded stanene monolayer: a computational study. Physical Chemistry Chemical Physics, 2020, 22, 13981-13988.	2.8	33
12	Defect-assisted surface modification enhances the visible light photocatalytic performance of g-C ₃ N ₄ @C-TiO ₂ direct Z-scheme heterojunctions. Chinese Journal of Catalysis, 2019, 40, 424-433.	14.0	228
13	Band engineering via biaxial strain for enhanced thermoelectric performance in stannite-type Cu ₂ ZnSnSe ₄ . RSC Advances, 2015, 5, 24908-24914.	3.6	13
14	Spatial structure of a collisionally inhomogeneous Bose-Einstein condensate. Journal of Experimental and Theoretical Physics, 2013, 117, 800-808.	0.9	3