

Fengxian

List of Publications by Year in descending order

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17
papers

1,150
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge Mediated Semiconducting-to-Metallic Phase Transition in Molybdenum Disulfide Monolayer and Hydrogen Evolution Reaction in New 1T ϵ^2 Phase. Journal of Physical Chemistry C, 2015, 119, 13124-13128.	3.1	295
2	Graphene-like Two-Dimensional Ionic Boron with Double Dirac Cones at Ambient Condition. Nano Letters, 2016, 16, 3022-3028.	9.1	222
3	Metal-free graphitic carbon nitride as mechano-catalyst for hydrogen evolution reaction. Journal of Catalysis, 2015, 332, 149-155.	6.2	127
4	Carbon nanodot decorated graphitic carbon nitride: new insights into the enhanced photocatalytic water splitting from ab initio studies. Physical Chemistry Chemical Physics, 2015, 17, 31140-31144.	2.8	105
5	Predicting Single-Layer Technetium Dichalcogenides (TcX ₂ , X = S, Se) with Promising Applications in Photovoltaics and Photocatalysis. ACS Applied Materials & Interfaces, 2016, 8, 5385-5392.	8.0	100
6	Versatile Single-Layer Sodium Phosphidostannate(II): Strain-Tunable Electronic Structure, Excellent Mechanical Flexibility, and an Ideal Gap for Photovoltaics. Journal of Physical Chemistry Letters, 2015, 6, 2682-2687.	4.6	60
7	Predicting a new phase (T ϵ^2) of two-dimensional transition metal di-chalcogenides and strain-controlled topological phase transition. Nanoscale, 2016, 8, 4969-4975.	5.6	50
8	Graphene-covered perovskites: an effective strategy to enhance light absorption and resist moisture degradation. RSC Advances, 2015, 5, 82346-82350.	3.6	43
9	Modelling CO ₂ adsorption and separation on experimentally-realized B ₄₀ fullerene. Computational Materials Science, 2015, 108, 38-41.	3.0	40
10	A New Carbon Phase Constructed by Long-Range Ordered Carbon Clusters from Compressing C ₇₀ Solvates. Advanced Materials, 2014, 26, 7257-7263.	21.0	29
11	Substantial Band-Gap Tuning and a Strain-Controlled Semiconductor to Gapless/Band-Inverted Semimetal Transition in Rutile Lead/Stannic Dioxide. ACS Applied Materials & Interfaces, 2016, 8, 25667-25673.	8.0	18
12	Structural transformation of confined iodine in the elliptical channels of AlPO ₄ -11 crystals under high pressure. Physical Chemistry Chemical Physics, 2014, 16, 8301.	2.8	14
13	Reversible pressure-induced polymerization of Fe(C ₅ H ₅) ₂ doped C ₇₀ . Carbon, 2013, 62, 447-454.	10.3	13
14	Versatile two-dimensional stanene-based membrane for hydrogen purification. International Journal of Hydrogen Energy, 2017, 42, 5577-5583.	7.1	13
15	Calculations of helium separation via uniform pores of stanene-based membranes. Beilstein Journal of Nanotechnology, 2015, 6, 2470-2476.	2.8	9
16	Monolayer RhB_4 : Half-auxeticity and almost ideal spin-orbit Dirac point semimetal. Physical Review B, 2021, 104, .		
17	The structure and dynamics analysis of one-dimension confined C _{3V} symmetrical C ₆₀ H ₁₈ molecules in single-wall carbon nanotube. CrystEngComm, 2013, 15, 7723.	2.6	5