

Xiaoteng Li

List of Publications by Year in descending order

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15
papers

135
citations

1478505

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1199594

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15
all docs

15
docs citations

15
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalysis for water splitting in layered tin chalcogenides with high carrier mobility. Physical Chemistry Chemical Physics, 2019, 21, 7559-7566.	2.8	36
2	Chemically Functionalized Penta-stanene Monolayers for Light Harvesting with High Carrier Mobility. Journal of Physical Chemistry C, 2018, 122, 21763-21769.	3.1	18
3	Exotic magnetism in As-doped $\pm 1/2$ -In ₂ Se ₃ monolayers with tunable anisotropic carrier mobility. Physical Chemistry Chemical Physics, 2019, 21, 19234-19241.	2.8	18
4	Edge hydrogenation-induced spin-filtering and negative differential resistance effects in zigzag silicene nanoribbons with line defects. RSC Advances, 2017, 7, 25244-25252.	3.6	17
5	Novel 2D B ₂ S ₃ as a metal-free photocatalyst for water splitting. Nanotechnology, 2021, 32, 225401.	2.6	11
6	Tuning spin-filtering, rectifying, and negative differential resistance by hydrogenation on topological edge defects of zigzag silicene nanoribbons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2475-2483.	2.1	7
7	A Single-Molecule and Logic Gate via Optical and Acid-Base Control. Advanced Theory and Simulations, 2020, 3, 2000163.	2.8	7
8	Impact of interface types on spin transport in heterostructures of graphene/hexagonal boron-nitride nanoribbons. Organic Electronics, 2018, 58, 63-68.	2.6	6
9	Engineering of carbon-based superlight spin filter with negative differential resistance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 640-645.	2.1	5
10	Surface functional group modification induced partial Fermi level pinning and ohmic contact at borophene-MoS ₂ interfaces. Physical Chemistry Chemical Physics, 2020, 22, 19202-19212.	2.8	4
11	Spin transport properties in Fe-doped graphene/hexagonal boron-nitride nanoribbons heterostructures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2217-2222.	2.1	3
12	Rational design of magnetic semiconductors of longitudinal silicene/III-V compound heteronanoribbons. Applied Surface Science, 2020, 501, 144230.	6.1	1
13	Theoretical Simulations of Heavy-Atom Kinetic Isotope Effects in Aliphatic Claisen Rearrangement. Journal of Physical Chemistry A, 2020, 124, 10678-10686.	2.5	1
14	Tunable Dirac states in doping B ₂ S ₃ monolayer. Physical Chemistry Chemical Physics, 2022, , .	2.8	1
15	High-Performance Monolayer SiMe-Graphene n-Type Field-Effect Transistors with Low Supply Voltage and High On-State Current in Sub-5 nm Gate Length. Advanced Electronic Materials, 0, , 2101359.	5.1	0