

Xiaoteng Li

List of Publications by Year in descending order

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15
papers

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1477746

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times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalysis for water splitting in layered tin chalcogenides with high carrier mobility. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7559-7566.	1.3	36
2	Chemically Functionalized Penta-stanene Monolayers for Light Harvesting with High Carrier Mobility. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21763-21769.	1.5	18
3	Exotic magnetism in As-doped $\pm 1^2$ -In ₂ Se ₃ monolayers with tunable anisotropic carrier mobility. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19234-19241.	1.3	18
4	Edge hydrogenation-induced spin-filtering and negative differential resistance effects in zigzag silicene nanoribbons with line defects. <i>RSC Advances</i> , 2017, 7, 25244-25252.	1.7	17
5	Novel 2D B ₂ S ₃ as a metal-free photocatalyst for water splitting. <i>Nanotechnology</i> , 2021, 32, 225401.	1.3	11
6	Tuning spin-filtering, rectifying, and negative differential resistance by hydrogenation on topological edge defects of zigzag silicene nanoribbons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 2475-2483.	0.9	7
7	A Single-Molecule and Logic Gate via Optical and Acid-Base Control. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000163.	1.3	7
8	Impact of interface types on spin transport in heterostructures of graphene/hexagonal boron-nitride nanoribbons. <i>Organic Electronics</i> , 2018, 58, 63-68.	1.4	6
9	Engineering of carbon-based superlight spin filter with negative differential resistance. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 640-645.	0.9	5
10	Surface functional group modification induced partial Fermi level pinning and ohmic contact at borophene-MoS ₂ interfaces. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19202-19212.	1.3	4
11	Spin transport properties in Fe-doped graphene/hexagonal boron-nitride nanoribbons heterostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2217-2222.	0.9	3
12	Rational design of magnetic semiconductors of longitudinal silicene/III-V compound heteronanoribbons. <i>Applied Surface Science</i> , 2020, 501, 144230.	3.1	1
13	Theoretical Simulations of Heavy-Atom Kinetic Isotope Effects in Aliphatic Claisen Rearrangement. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10678-10686.	1.1	1
14	Tunable Dirac states in doping B ₂ S ₃ monolayer. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	1.3	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. <i>Advanced Electronic Materials</i> , 0, , 2101359.	2.6	0