

William A Shelton

List of Publications by Year in descending order

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papers

447
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686830

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g-index

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all docs

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docs citations

22
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed propulsion of spherical particles along three dimensional helical trajectories. Nature Communications, 2019, 10, 2575.	5.8	59
2	Improved All-Carbon Spintronic Device Design. Scientific Reports, 2015, 5, 7634.	1.6	52
3	Coupled cluster Green function: Model involving single and double excitations. Journal of Chemical Physics, 2016, 144, 144101.	1.2	42
4	Surface properties of hydrogenated diamond in the presence of adsorbates: A hybrid functional DFT study. Carbon, 2016, 110, 469-479.	5.4	38
5	Adsorption of Myoglobin and Corona Formation on Silica Nanoparticles. Langmuir, 2020, 36, 14157-14165.	1.6	33
6	pH-Induced reorientation of cytochrome <i>c</i> on silica nanoparticles. Soft Matter, 2019, 15, 350-354.	1.2	26
7	CoCrFeNi High-Entropy Alloy as an Enhanced Hydrogen Evolution Catalyst in an Acidic Solution. Journal of Physical Chemistry C, 2021, 125, 17008-17018.	1.5	25
8	Benchmarking the Fundamental Electronic Properties of small TiO ₂ Nanoclusters by <i>GW</i> and Coupled Cluster Theory Calculations. Journal of Chemical Theory and Computation, 2017, 13, 3814-3828.	2.3	24
9	Adsorption of Fatty Acid Molecules on Amine-Functionalized Silica Nanoparticles: Surface Organization and Foam Stability. Langmuir, 2020, 36, 3703-3712.	1.6	24
10	Observation of sixfold degenerate fermions in PdS ₂ . Physical Review B, 2020, 101, .	1.1	20
11	Probing microhydration effect on the electronic structure of the GFP chromophore anion: Photoelectron spectroscopy and theoretical investigations. Journal of Chemical Physics, 2015, 143, 224301.	1.2	18
12	Flat-band magnetism and helical magnetic order in Ni-doped SrCo ₂ As ₂ . Physical Review B, 2019, 100, .	1.5	15
13	Annihilation and Control of Chiral Domain Walls with Magnetic Fields. Nano Letters, 2021, 21, 1205-1212.	4.5	15
14	Directed Pore Uptake and Phase Separation of Surfactant Solutions under Confinement. Journal of Physical Chemistry C, 2019, 123, 9957-9966.	1.5	11
15	A Noble Transition Alloy Excels at Hot Carrier Generation in the Near Infrared. Advanced Materials, 2020, 32, e1906478.	11.1	11
16	Importance of van der Waals interactions for ab initio studies of topological insulators. Journal of Physics Condensed Matter, 2021, 33, 035702.	0.7	9
17	Spin Reorientation in Antiferromagnetic Layered FePt ₅ P. ACS Applied Electronic Materials, 2021, 3, 3501-3508.	2.0	8
18	Partial charge transfer and absence of induced magnetization in EuS(111)/Bi ₂ Se ₃ heterostructures. Physical Review B, 2021, 104, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Hydrogen Adsorption on Ordered and Disordered Pt-Ni Alloys. Topics in Catalysis, 2020, 63, 714-727.	1.3	4
20	The crystal structures and magnetic properties of TiFeSi coexisting in hexagonal and orthorhombic symmetries. Journal of Alloys and Compounds, 2021, 864, 158617.	2.8	4
21	Characterisation of nano-assemblies inside mesopores using neutron scattering*. Molecular Physics, 2021, 119, .	0.8	2