

William A Shelton

List of Publications by Year in descending order

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22
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763
citing authors

#	ARTICLE	IF	CITATIONS
1	Annihilation and Control of Chiral Domain Walls with Magnetic Fields. Nano Letters, 2021, 21, 1205-1212.	4.5	15
2	Characterisation of nano-assemblies inside mesopores using neutron scattering*. Molecular Physics, 2021, 119, .	0.8	2
3	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
4	Spin Reorientation in Antiferromagnetic Layered FePt ₅ P. ACS Applied Electronic Materials, 2021, 3, 3501-3508.	2.0	8
5	Partial charge transfer and absence of induced magnetization in EuS(111)/Bi ₂ Se ₃ heterostructures. Physical Review B, 2021, 104, .	1.1	7
6	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
7	Importance of van der Waals interactions for ab initio studies of topological insulators. Journal of Physics Condensed Matter, 2021, 33, 035702.	0.7	9
8	Adsorption of Myoglobin and Corona Formation on Silica Nanoparticles. Langmuir, 2020, 36, 14157-14165.	1.6	33
9	Hydrogen Adsorption on Ordered and Disordered Pt-Ni Alloys. Topics in Catalysis, 2020, 63, 714-727.	1.3	4
10	Observation of sixfold degenerate fermions in PdS_2 . Physical Review B, 2020, 101, .	1.1	20
11	Adsorption of Fatty Acid Molecules on Amine-Functionalized Silica Nanoparticles: Surface Organization and Foam Stability. Langmuir, 2020, 36, 3703-3712.	1.6	24
12	A Noble Transition Alloy Excels at Hot Carrier Generation in the Near Infrared. Advanced Materials, 2020, 32, e1906478.	11.1	11
13	Flat-band magnetism and helical magnetic order in Ni-doped SrCo_2As_2 . Physical Review B, 2019, 100, .		
14	pH-Induced reorientation of cytochrome <i>c</i> on silica nanoparticles. Soft Matter, 2019, 15, 350-354.	1.2	26
15	Directed propulsion of spherical particles along three dimensional helical trajectories. Nature Communications, 2019, 10, 2575.	5.8	59
16	Directed Pore Uptake and Phase Separation of Surfactant Solutions under Confinement. Journal of Physical Chemistry C, 2019, 123, 9957-9966.	1.5	11
17	Benchmarking the Fundamental Electronic Properties of small TiO ₂ Nanoclusters by <i>CW</i> and Coupled Cluster Theory Calculations. Journal of Chemical Theory and Computation, 2017, 13, 3814-3828.	2.3	24
18	Coupled cluster Green function: Model involving single and double excitations. Journal of Chemical Physics, 2016, 144, 144101.	1.2	42

#	ARTICLE	IF	CITATIONS
19	Surface properties of hydrogenated diamond in the presence of adsorbates: A hybrid functional DFT study. Carbon, 2016, 110, 469-479.	5.4	38
20	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
21	Improved All-Carbon Spintronic Device Design. Scientific Reports, 2015, 5, 7634.	1.6	52