

Yi Sun

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

399
citations

9
h-index

19
g-index

20
ext. papers

430
ext. citations

5.9
avg, IF

2.71
L-index

#	Paper	IF	Citations
20	Multifield-resolved phonon spectrometrics: structured crystals and liquids. <i>Progress in Solid State Chemistry</i> , 2019 , 55, 20-66	8	14
19	Phonon abundance-stiffness-lifetime transition from the mode of heavy water to its confinement and hydration. <i>Journal of Molecular Liquids</i> , 2019 , 276, 688-693	6	5
18	Miscellaneous Issues. <i>Springer Series in Chemical Physics</i> , 2016 , 419-453	0.3	
17	Wonders of Water. <i>Springer Series in Chemical Physics</i> , 2016 , 1-24	0.3	1
16	Water Supersolid Skin. <i>Springer Series in Chemical Physics</i> , 2016 , 245-279	0.3	
15	Superlubricity of Ice. <i>Springer Series in Chemical Physics</i> , 2016 , 203-243	0.3	2
14	Approaching Strategies. <i>Springer Series in Chemical Physics</i> , 2016 , 455-477	0.3	
13	Mechanical Compression. <i>Springer Series in Chemical Physics</i> , 2016 , 125-146	0.3	0
12	Thermal Excitation. <i>Springer Series in Chemical Physics</i> , 2016 , 147-173	0.3	
11	Molecular Undercoordination: Supersolidity. <i>Springer Series in Chemical Physics</i> , 2016 , 175-202	0.3	
10	O:H \cdots O Bond Cooperativity. <i>Springer Series in Chemical Physics</i> , 2016 , 49-80	0.3	
9	Water molecular structure-order in the NaX hydration shells(X=F, Cl, Br, I). <i>Journal of Molecular Liquids</i> , 2016 , 221, 788-797	6	27
8	Coordination-resolved electron spectrometrics. <i>Chemical Reviews</i> , 2015 , 115, 6746-810	68.1	103
7	Interface quantum trap depression and charge polarization in the CuPd and AgPd bimetallic alloy catalysts. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 3131-5	3.6	33
6	CuPd interface charge and energy quantum entrapment: A tight-binding and XPS investigation. <i>Applied Surface Science</i> , 2010 , 257, 727-730	6.7	6
5	Elucidating the 4f Binding Energy of an Isolated Pt Atom and Its Bulk Shift from the Measured Surface- and Size-Induced Pt 4f Core Level Shift. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14696-14701 ^{3.8}	3.8	31
4	Adatoms-Induced Local Bond Contraction, Quantum Trap Depression, and Charge Polarization at Pt and Rh Surfaces. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 21889-21894	3.8	33

- 3 Coordination-Resolved C-C Bond Length and the C 1s Binding Energy of Carbon Allotropes and the Effective Atomic Coordination of the Few-Layer Graphene. *Journal of Physical Chemistry C*, **2009**, 113, 16464-16467 3.8 77
- 2 Size Dependence of the 2p_{3/2} and 3d_{5/2} Binding Energy Shift of Ni Nanostructures: Skin-Depth Charge and Energy Trapping. *Journal of Physical Chemistry C*, **2009**, 113, 10939-10946 3.8 12
- 1 Coulomb Repulsion at the Nanometer-Sized Contact: A Force Driving Superhydrophobicity, Superfluidity, Superlubricity, and Supersolidity. *Journal of Physical Chemistry C*, **2009**, 113, 20009-20019 3.8 55