

Jocienne N Nelson

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

14 papers	519 citations	8 h-index	14 g-index
14 ext. papers	682 ext. citations	9.5 avg, IF	3.52 L-index

#	Paper	IF	Citations
14	Interfacial charge transfer and persistent metallicity of ultrathin SrIrO/SrRuO heterostructures.. <i>Science Advances</i> , 2022 , 8, eabj0481	14.3	4
13	Interfacial Electron-Phonon Coupling Constants Extracted from Intrinsic Replica Bands in Monolayer FeSe/SrTiO ₃ . <i>Physical Review Letters</i> , 2021 , 127, 016803	7.4	4
12	Amorphization mechanism of SrIrO electrocatalyst: How oxygen redox initiates ionic diffusion and structural reorganization. <i>Science Advances</i> , 2021 , 7,	14.3	50
11	Strain-stabilized superconductivity. <i>Nature Communications</i> , 2021 , 12, 59	17.4	9
10	Mott gap collapse in lightly hole-doped SrIrO. <i>Nature Communications</i> , 2020 , 11, 2597	17.4	5
9	Effects of Anisotropic Strain on Spin-Orbit Torque Produced by the Dirac Nodal Line Semimetal IrO. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55411-55416	9.5	10
8	Chlorine evolution reaction electrocatalysis on RuO(110) and IrO(110) grown using molecular-beam epitaxy. <i>Journal of Chemical Physics</i> , 2019 , 150, 041726	3.9	27
7	Dirac nodal lines protected against spin-orbit interaction in IrO ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	15
6	Influence of Strain on the Surface Oxygen Interaction and the Oxygen Evolution Reaction of SrIrO ₃ . <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4359-4364	3.8	30
5	Engineering Carrier Effective Masses in Ultrathin Quantum Wells of IrO ₂ . <i>Physical Review Letters</i> , 2018 , 121, 176802	7.4	8
4	Influence of Surface Adsorption on the Oxygen Evolution Reaction on IrO(110). <i>Journal of the American Chemical Society</i> , 2017 , 139, 3473-3479	16.4	191
3	Infrared overtone spectroscopy of adsorbed hydrogen in MOF-5. <i>Journal of Molecular Spectroscopy</i> , 2015 , 307, 20-26	1.3	5
2	Orientational ortho-H ₂ pair interactions in the microporous framework MOF-5. <i>Physical Review B</i> , 2015 , 92,	3.3	1
1	M ₂ (m-dobdc) (M = Mg, Mn, Fe, Co, Ni) metal-organic frameworks exhibiting increased charge density and enhanced H ₂ binding at the open metal sites. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12119-29	16.4	160