

Jonathan J P Peters

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,366
citations

759233

12
h-index

713466

21
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all docs

21
docs citations

21
times ranked

3498
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral heterojunctions within monolayer MoSe ₂ –WSe ₂ semiconductors. Nature Materials, 2014, 13, 1096-1101.	27.5	872
2	Tracking Metal Electrodeposition Dynamics from Nucleation and Growth of a Single Atom to a Crystalline Nanoparticle. ACS Nano, 2018, 12, 7388-7396.	14.6	74
3	Artefacts in geometric phase analysis of compound materials. Ultramicroscopy, 2015, 157, 91-97.	1.9	64
4	Atomic Defects and Doping of Monolayer NbSe ₂ . ACS Nano, 2017, 11, 2894-2904.	14.6	63
5	Polarization curling and flux closures in multiferroic tunnel junctions. Nature Communications, 2016, 7, 13484.	12.8	58
6	Flexible Memristors Based on Single-Crystalline Ferroelectric Tunnel Junctions. ACS Applied Materials & Interfaces, 2019, 11, 23313-23319.	8.0	56
7	Ferroelectric incommensurate spin crystals. Nature, 2022, 602, 240-244.	27.8	30
8	Strain-gradient mediated local conduction in strained bismuth ferrite films. Nature Communications, 2019, 10, 2791.	12.8	28
9	Antiferroelectric Tunnel Junctions. Advanced Electronic Materials, 2017, 3, 1700126.	5.1	24
10	Enhanced Superconductivity in Few-Layer TaS ₂ due to Healing by Oxygenation. Nano Letters, 2020, 20, 3808-3818.	9.1	23
11	Bi-ferroic memristive properties of multiferroic tunnel junctions. Applied Physics Letters, 2018, 112, 102905.	3.3	15
12	Quantitative High-Dynamic-Range Electron Diffraction of Polar Nanodomains in Pb ₂ ScTaO ₆ . Advanced Materials, 2019, 31, e1806498.	21.0	12
13	Emergent Antipolar Phase in BiFeO ₃ –La _{0.7} Sr _{0.3} MnO ₃ Superlattice. Nano Letters, 2020, 20, 6045-6050.	9.1	12
14	Structural, optical and vibrational properties of self-assembled Pbn+1(Ti1-xFex)nO3n+1 Ruddlesden-Popper superstructures. Scientific Reports, 2015, 5, 7719.	3.3	8
15	Polarization Screening Mechanisms at La _{0.7} Sr _{0.3} MnO ₃ –PbTiO ₃ Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 10657-10663.	8.0	7
16	Defect Dynamics in Self-Catalyzed III–V Semiconductor Nanowires. Nano Letters, 2019, 19, 4574-4580.	9.1	5
17	Using Your Beam Efficiently: Reducing Electron Dose in the STEM via Flyback Compensation. Microscopy and Microanalysis, 2022, 28, 1428-1436.	0.4	4
18	On the vertical stacking in semiconducting WSe ₂ bilayers. Materials Science and Technology, 2016, 32, 226-231.	1.6	3

#	ARTICLE	IF	CITATIONS
19	A Fast Frozen Phonon Algorithm Using Mixed Static Potentials. Ultramicroscopy, 2021, 229, 113364.	1.9	3
20	Structural and photoelectric properties of tensile strained BiFeO_3 . Physical Review Materials, 2020, 4, .	0.4	1
21	Cost and Capability Compromises in STEM Instrumentation for Low-Voltage Imaging. Microscopy and Microanalysis, 2022, 28, 1437-1443.	0.4	2