

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
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713466

21
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docs citations

21
times ranked

3498
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Your Beam Efficiently: Reducing Electron Dose in the STEM via Flyback Compensation. <i>Microscopy and Microanalysis</i> , 2022, 28, 1428-1436.	0.4	4
2	Ferroelectric incommensurate spin crystals. <i>Nature</i> , 2022, 602, 240-244.	27.8	30
3	Cost and Capability Compromises in STEM Instrumentation for Low-Voltage Imaging. <i>Microscopy and Microanalysis</i> , 2022, 28, 1437-1443.	0.4	2
4	A Fast Frozen Phonon Algorithm Using Mixed Static Potentials. <i>Ultramicroscopy</i> , 2021, 229, 113364.	1.9	3
5	Polarization Screening Mechanisms at $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ – PbTiO_3 Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10657-10663.	8.0	7
6	Emergent Antipolar Phase in BiFeO_3 – $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Superlattice. <i>Nano Letters</i> , 2020, 20, 6045-6050.	9.1	12
7	Enhanced Superconductivity in Few-Layer TaS_2 due to Healing by Oxygenation. <i>Nano Letters</i> , 2020, 20, 3808-3818.	9.1	23
8	Structural and photoelectric properties of tensile strained BiFeO_3 . <i>Physical Review Materials</i> , 2020, 4, .	12.8	28
9	Strain-gradient mediated local conduction in strained bismuth ferrite films. <i>Nature Communications</i> , 2019, 10, 2791.	12.8	28
10	Flexible Memristors Based on Single-Crystalline Ferroelectric Tunnel Junctions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23313-23319.	8.0	56
11	Defect Dynamics in Self-Catalyzed III–V Semiconductor Nanowires. <i>Nano Letters</i> , 2019, 19, 4574-4580.	9.1	5
12	Quantitative High-Dynamic-Range Electron Diffraction of Polar Nanodomains in $\text{Pb}_2\text{ScTaO}_6$. <i>Advanced Materials</i> , 2019, 31, e1806498.	21.0	12
13	Bi-ferroic memristive properties of multiferroic tunnel junctions. <i>Applied Physics Letters</i> , 2018, 112, 102905.	3.3	15
14	Tracking Metal Electrodeposition Dynamics from Nucleation and Growth of a Single Atom to a Crystalline Nanoparticle. <i>ACS Nano</i> , 2018, 12, 7388-7396.	14.6	74
15	Atomic Defects and Doping of Monolayer NbSe_2 . <i>ACS Nano</i> , 2017, 11, 2894-2904.	14.6	63
16	Antiferroelectric Tunnel Junctions. <i>Advanced Electronic Materials</i> , 2017, 3, 1700126.	5.1	24
17	On the vertical stacking in semiconducting WSe_2 bilayers. <i>Materials Science and Technology</i> , 2016, 32, 226-231.	1.6	3
18	Polarization curling and flux closures in multiferroic tunnel junctions. <i>Nature Communications</i> , 2016, 7, 13484.	12.8	58

#	ARTICLE	IF	CITATIONS
19	Structural, optical and vibrational properties of self-assembled $\text{Pb}_{n+1}(\text{Ti}_{1-x}\text{Fe}_x)\text{O}_{3n+1}$ Ruddlesden-Popper superstructures. <i>Scientific Reports</i> , 2015, 5, 7719.	3.3	8
20	Artefacts in geometric phase analysis of compound materials. <i>Ultramicroscopy</i> , 2015, 157, 91-97.	1.9	64
21	Lateral heterojunctions within monolayer MoSe_2 – WSe_2 semiconductors. <i>Nature Materials</i> , 2014, 13, 1096-1101.	27.5	872