

Jacob P Ruf

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.

18 papers	332 citations	9 h-index	18 g-index
18 ext. papers	414 ext. citations	5.5 avg, IF	2.86 L-index

#	Paper	IF	Citations
18	Disentangling types of lattice disorder impacting superconductivity in Sr ₂ RuO ₄ by quantitative local probes. <i>APL Materials</i> , 2022 , 10, 041114	5.7	0
17	Separated transport relaxation scales and interband scattering in thin films of SrRuO ₃ , CaRuO ₃ , and Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	1
16	Quantum oscillations and quasiparticle properties of thin film Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2021 , 104,	3.3	2
15	Strain-stabilized superconductivity. <i>Nature Communications</i> , 2021 , 12, 59	17.4	9
14	Subterahertz Momentum Drag and Violation of Matthiessen's Rule in an Ultraclean Ferromagnetic SrRuO ₃ Metallic Thin Film. <i>Physical Review Letters</i> , 2020 , 125, 217401	7.4	4
13	Strain relaxation induced transverse resistivity anomalies in SrRuO ₃ thin films. <i>Physical Review B</i> , 2020 , 102,	3.3	12
12	Harnessing Local Sample Variations to Generate Self-Consistent EELS References for Stoichiometry Quantification. <i>Microscopy and Microanalysis</i> , 2019 , 25, 580-581	0.5	
11	Dirac nodal lines protected against spin-orbit interaction in IrO ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	15
10	Electronic and vibrational signatures of ruthenium vacancies in Sr ₂ RuO ₄ thin films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	6
9	Synthesis science of SrRuO ₃ and CaRuO ₃ epitaxial films with high residual resistivity ratios. <i>APL Materials</i> , 2018 , 6, 046101	5.7	41
8	Revealing the hidden heavy Fermi liquid in CaRuO ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
7	Direct Imaging of Tilt Relaxation from the Interface in Epitaxially Strained Ca ₂ RuO ₄ Thin Films using ABF-STEM. <i>Microscopy and Microanalysis</i> , 2018 , 24, 64-65	0.5	1
6	Demystifying the growth of superconducting Sr ₂ RuO ₄ thin films. <i>APL Materials</i> , 2018 , 6, 101108	5.7	23
5	Surface atomic structure of epitaxial LaNiO ₃ thin films studied by in situ LEED-I(V). <i>Physical Review B</i> , 2017 , 95,	3.3	5
4	Lifshitz transition from valence fluctuations in YbAl. <i>Nature Communications</i> , 2017 , 8, 852	17.4	11
3	Electron Doping of the Parent Cuprate La ₂ CuO ₄ without Cation Substitution. <i>Physical Review Letters</i> , 2016 , 117, 147002	7.4	20
2	Quantifying electronic correlation strength in a complex oxide: A combined DMFT and ARPES study of LaNiO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	27

- ¹ Interplay of spin-orbit interactions, dimensionality, and octahedral rotations in semimetallic SrIrO(3). *Physical Review Letters*, **2015**, 114, 016401 7.4 148