

# David Fobes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1557994/publications.pdf>

Version: 2024-02-01

41  
papers

1,243  
citations

471061

17  
h-index

360668

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1823  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological magnon band structure of emergent Landau levels in a skyrmion lattice. <i>Science</i> , 2022, 375, 1025-1030.	6.0	18
2	PowerModelsRestoration.jl: An open-source framework for exploring power network restoration algorithms. <i>Electric Power Systems Research</i> , 2021, 190, 106736.	2.1	9
3	Electronic properties of the bulk and surface states of $\text{Fe}_{1+y}\text{Te}_{1-x}\text{S}_x$ . <i>Nature Materials</i> , 2021, 20, 1221-1227.	13.3	34
4	PowerModelsDistribution.jl: An open-source framework for exploring distribution power flow formulations. <i>Electric Power Systems Research</i> , 2020, 189, 106664.	2.1	41
5	Skyrmion lattice creep at ultra-low current densities. <i>Communications Materials</i> , 2020, 1, .	2.9	11
6	A Flexible Storage Model for Power Network Optimization. , 2020, , .		4
7	Tunable emergent heterostructures in a prototypical correlated metal. <i>Nature Physics</i> , 2018, 14, 456-460.	6.5	15
8	Anisotropic magnetocrystalline coupling of the skyrmion lattice in MnSi. <i>Physical Review B</i> , 2018, 97, .	1.1	16
9	A full monolayer of superoxide: oxygen activation on the unmodified $\text{Ca}_3\text{Ru}_2\text{O}_7(001)$ surface. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5703-5713.	5.2	17
10	Ordered hydroxyls on $\text{Ca}_3\text{Ru}_2\text{O}_7(001)$ . <i>Nature Communications</i> , 2017, 8, 23.	5.8	12
11	Low temperature magnetic structure of $\text{CeRhIn}_5$ by neutron diffraction on absorption-optimized samples. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 17LT01.	0.7	15
12	Realization of the axial next-nearest-neighbor Ising model in $\text{U}_3\text{Al}_2\text{Ge}_3$ . <i>Physical Review B</i> , 2017, 96, .	1.1	1
13	Versatile strain-tuning of modulated long-period magnetic structures. <i>Applied Physics Letters</i> , 2017, 110, 192409.	1.5	17
14	Forbidden phonon: Dynamical signature of bond symmetry breaking in the iron chalcogenides. <i>Physical Review B</i> , 2016, 94, .	1.1	8
15	Adsorption of water at the SrO surface of $\text{A}$ ruthenates. <i>Nature Materials</i> , 2016, 15, 450-455.	13.3	63
16	Point defects at cleaved $\text{SrO}$ surfaces. <i>Physical Review B</i> , 2014, 90, .		
17	Ferro-Orbital Ordering Transition in Iron Telluride $\text{FeTe}$ . <i>Physical Review Letters</i> , 2014, 112, 187202.	2.9	40
18	High Chemical Activity of a Perovskite Surface: Reaction of CO with $\text{SrO}$ . <i>Physical Review Letters</i> , 2014, 113, 116101.	2.9	18

#	ARTICLE	IF	CITATIONS
19	Cluster Nucleation and Growth from a Highly Supersaturated Adatom Phase: Silver on Magnetite. ACS Nano, 2014, 8, 7531-7537.	7.3	51
20	Enhanced spin-triplet superconductivity near dislocations in Sr <sub>2</sub> RuO <sub>4</sub> . Nature Communications, 2013, 4, 2596. From quasi-two-dimensional metal with ferromagnetic bilayers to Mott insulator with G-type	5.8	31
21	antiferromagnetic order in Ca $\langle \mathit{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\rangle$ <mml:msub> <mml:mrow		

#	ARTICLE	IF	CITATIONS
37	Unusual heavy-mass nearly ferromagnetic state with a surprisingly large Wilson ratio in the double layered ruthenates $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ . Physical Review B, 2008, 78, .	1.1	26
38	Phase diagram of the electronic states of trilayered ruthenate $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ . Physical Review B, 2007, 75, .	1.1	22
39	Magnetic, electrical transport, and thermoelectric properties of $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ . Evidence for a field-induced electronic phase transition at low temperatures. Physical Review B, 2007, .	1.1	14
40	Competing magnetic fluctuations in $\text{Sr}_3\text{Ru}_2\text{O}_7$ probed by Ti doping. Physical Review B, 2007, 75, .	1.1	13
41	Electronic and magnetic properties of triple-layered ruthenate $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ single crystals grown by a floating-zone method. Materials Research Bulletin, 2005, 40, 942-950.	2.7	25