

# H Gretarsson

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,512  
citations

394390

19  
h-index

552766

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absence of temperature-dependent phonon anomalies in $\text{Sr}_2\text{VO}_3$ and $\text{Sr}_3\text{VO}_7$ . <i>Physical Review B</i> , 2022, 105, .	3.2	0
2	Spin and charge excitations in the correlated multiband metal $\text{CaO}$ . <i>Physical Review B</i> , 2021, 103, .	3.2	6
3	Proximate ferromagnetic state in the Kitaev model material $\text{Ir}_2\text{-RuCl}_3$ . <i>Nature Communications</i> , 2021, 12, 4512.	12.8	47
4	Nonmagnetic State and Spin-Orbit Excitations in $\text{J}_0 = 0$ . <i>Physical Review Letters</i> , 2021, 127, 227201.	7.8	14
5	Observation of spin-orbit excitations and Hund's multiplets in $\text{Ca}_2\text{RuO}_4$ . <i>Physical Review B</i> , 2019, 100, .	3.2	34
6	Compressive strain induced enhancement of exchange interaction and short-range magnetic order in $\text{Sr}_2\text{VO}_4$ . <i>Physical Review B</i> , 2019, 100, .	3.2	12
7	Magnetic excitations in hole-doped $\text{Sr}_2\text{IrO}_4$ : Comparison with electron-doped cuprates. <i>Physical Review B</i> , 2019, 100, .	3.2	7
8	Spin waves and spin-state transitions in a ruthenate high-temperature antiferromagnet. <i>Nature Materials</i> , 2019, 18, 563-567.	27.5	31
9	Hidden structural transition in epitaxial $\text{CaO}$ thin film. <i>Physical Review Materials</i> , 2019, 3, .	3.2	4
10	Crossover from Collective to Incoherent Spin Excitations in Superconducting Cuprates Probed by Detuned Resonant Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2017, 119, 097001.	7.8	26
11	Raman scattering study of vibrational and magnetic excitations in $\text{Sr}_2\text{VO}_4$ and $\text{La}_2\text{VO}_4$ . <i>Physical Review B</i> , 2016, 94, .	3.2	36
12	Persistent Paramagnons Deep in the Metallic Phase of $\text{Sr}_2\text{VO}_4$ . <i>Physical Review Letters</i> , 2016, 117, 107001.	7.8	68
13	X-ray scattering study of pyrochlore iridates: Crystal structure, electronic, and magnetic excitations. <i>Physical Review B</i> , 2016, 94, .	3.2	37
14	Two-Magnon Raman Scattering and Pseudospin-Lattice Interactions in $\text{Ir}_2\text{O}_3$ . <i>Physical Review Letters</i> , 2016, 116, 136401.	7.8	63
15	Crystal growth and intrinsic magnetic behaviour of $\text{Sr}_2\text{VO}_4$ . <i>Philosophical Magazine</i> , 2016, 96, 413-426.	1.6	39
16	Structural Origin of the Anomalous Temperature Dependence of the Local Magnetic Moments in the $\text{CaFe}_2\text{O}_7$ . <i>Physical Review Letters</i> , 2015, 114, 047001.	7.8	28
17	Collective Nature of Spin Excitations in Superconducting Cuprates Probed by Resonant Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2015, 114, 217003.	7.8	81
18	Longer-range lattice anisotropy strongly competing with spin-orbit interactions in pyrochlore iridates. <i>Physical Review B</i> , 2014, 89, .	3.2	58

#	ARTICLE	IF	CITATIONS
19	Dilute magnetism and spin-orbital percolation effects in $\text{SrIr}_2\text{Rh}_4\text{O}_{14}$ . Physical Review B, 2014, 89, 080402.	3.2	78
20	Tuning Magnetic Coupling in $\text{SrIr}_2\text{Rh}_4\text{O}_{14}$ Films with Epitaxial Strain. Physical Review Letters, 2014, 112, 147201.	7.8	62
21	Spin-State Transition in the Fe Pnictides. Physical Review Letters, 2013, 110, 047003.	7.8	56
22	Magnetic excitation spectrum of $\text{Na}_2\text{IrO}_3$ probed with resonant inelastic x-ray scattering. Physical Review B, 2013, 87, .	3.2	85
23	Crystal-Field Splitting and Correlation Effect on the Electronic Structure of $\text{IrO}_2$ . Physical Review Letters, 2013, 110, 076402.	7.8	209
24	Resonant inelastic x-ray scattering study of charge excitations in superconducting and nonsuperconducting $\text{PrFeAsO}$ . Physical Review B, 2012, 86, .	3.2	8
25	Revealing the dual nature of magnetism in iron pnictides and iron chalcogenides using x-ray emission spectroscopy. Physical Review B, 2011, 84, .	3.2	112
26	X-ray-induced electronic structure change in $\text{CuIr}_2\text{S}_5$ . Physical Review B, 2011, 84, .	3.2	14
27	Resonant inelastic x-ray scattering study of charge excitations in superconducting and nonsuperconducting $\text{PrFeAsO}$ . Physical Review B, 2011, 84, .	3.2	300