

Christopher R Wiebe

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4158326/christopher-r-wiebe-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124
papers

2,816
citations

29
h-index

47
g-index

136
ext. papers

3,142
ext. citations

4.2
avg, IF

4.41
L-index

#	Paper	IF	Citations
124	The Highly Frustrated 5d Double Perovskite Doppelgänger, SrLaMgReO and SrLaLiOsO. A Comparison including Isostructural LaLiReO. <i>Inorganic Chemistry</i> , 2021 , 60, 16652-16657	5.1	
123	Dynamical ground state in the XY pyrochlore Yb ₂ GaSbO ₇ . <i>Npj Quantum Materials</i> , 2021 , 6,	5	1
122	Magnetic ordering in the Ising antiferromagnetic pyrochlore NdScNbO. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	4
121	Absence of moment fragmentation in the mixed B-site pyrochlore Nd ₂ GaSbO ₇ . <i>Physical Review B</i> , 2021 , 103,	3.3	2
120	Understanding the Interplay of Vacancy, Cation, and Charge Ordering in the Tunable ScVO Defect Fluorite System. <i>Inorganic Chemistry</i> , 2021 , 60, 872-882	5.1	
119	Valence tautomerism in a [2 D ₂] Co grid complex containing a ditopic arylazo ligand. <i>Chemical Communications</i> , 2021 , 57, 6213-6216	5.8	1
118	Absence of magnetic ordering in the spin liquid candidate CaCuGeVO. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 134001	1.8	1
117	Comparing Magnetism in Isostructural Oxides A _{0.8} La _{1.2} MnO ₄ .1: Anisotropic Spin Glass (A = Ba) versus Long-Range Order (A = Sr). <i>Chemistry of Materials</i> , 2019 , 31, 7833-7844	9.6	3
116	High-Pressure Routes to New Pyrochlores and Novel Magnetism. <i>Inorganics</i> , 2019 , 7, 49	2.9	3
115	Coexistence of metallic and nonmetallic properties in the pyrochlore Lu ₂ Rh ₂ O ₇ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	6
114	Evidence for negative thermal expansion in the superconducting precursor phase SmFeAsO. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 095601	1.8	2
113	Homoleptic Lanthanide Complexes Containing a Redox-Active Ligand and the Investigation of Their Electronic and Photophysical Properties. <i>Inorganics</i> , 2018 , 6, 56	2.9	1
112	Naturally tuned quantum critical point in the S=1 kagom \ddot{y} Ca ₃ (VO) ₃ (BO ₃) ₄ . <i>Physical Review Materials</i> , 2018 , 2,	3.2	2
111	Dipolar-octupolar Ising antiferromagnetism in Sm ₂ Ti ₂ O ₇ : A moment fragmentation candidate. <i>Physical Review B</i> , 2018 , 98,	3.3	12
110	Phase Competition in the Palmer-Chalker XY Pyrochlore Er ₂ Pt ₂ O ₇ . <i>Physical Review Letters</i> , 2017 , 119, 187201	7.4	14
109	Evidence for the confinement of magnetic monopoles in quantum spin ice. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 45LT01	1.8	6
108	Structure and magnetic properties of new Be-substituted langasites A ₃ Ga ₃ Ge ₂ BeO ₁₄ (A=Pr, Nd, and Sm). <i>Journal of Solid State Chemistry</i> , 2016 , 233, 14-22	3.3	5

107	Frustrated magnetism in the double perovskite La ₂ LiOsO ₆ : A comparison with La ₂ LiRuO ₆ . <i>Physical Review B</i> , 2016 , 93,	3-3	26
106	Incommensurate crystal supercell and polarization flop observed in the magnetoelectric ilmenite MnTiO ₃ . <i>Physical Review B</i> , 2016 , 93,	3-3	9
105	Universal dynamic magnetism in Yb pyrochlores with disparate ground states. <i>Physical Review B</i> , 2016 , 93,	3-3	27
104	XY antiferromagnetic ground state in the effective S=12 pyrochlore Yb ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2016 , 93,	3-3	27
103	Relief of frustration in the Heisenberg pyrochlore antiferromagnet Gd ₂ Pt ₂ O ₇ . <i>Physical Review B</i> , 2016 , 94,	3-3	14
102	Magnetic ground states in the three Os ⁶⁺ (5d ²) double perovskites Ba ₂ MOsO ₆ (M=Mg,Zn,and Cd) from N \mathbb{E} l order to its suppression. <i>Physical Review B</i> , 2016 , 94,	3-3	21
101	Order/Disorder and in Situ Oxide Defect Control in the Bixbyite Phase YPrO ₃ +[(0 \mathbb{E} inorganic Chemistry, 2016 , 55, 2381-9	5-1	5
100	Structure and Magnetic Properties of KRuO. <i>Inorganic Chemistry</i> , 2016 , 55, 12897-12903	5-1	13
99	Noncentrosymmetric rare-earth copper gallium chalcogenides RE ₃ CuGaCh ₇ (RE=La \mathbb{E} d; Ch=S, Se): An unexpected combination. <i>Journal of Solid State Chemistry</i> , 2015 , 229, 150-159	3-3	13
98	Rhodium(ii) dimers without metal-metal bonds. <i>Dalton Transactions</i> , 2015 , 44, 13460-3	4-3	4
97	Sub-Kelvin magnetic order in Sm ₃ Ga ₅ O ₁₂ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 384, 235-240	2-8	3
96	Frustration under pressure: Exotic magnetism in new pyrochlore oxides. <i>APL Materials</i> , 2015 , 3, 041519	5-7	28
95	Nuclear and magnetic supercells in the multiferroic candidate: Pb ₃ TeMn ₃ P ₂ O ₁₄ . <i>Journal of Solid State Chemistry</i> , 2015 , 221, 216-223	3-3	5
94	Magnetic frustration in lead pyrochlores. <i>Physical Review B</i> , 2015 , 91,	3-3	47
93	Electronic transport in the ferromagnetic pyrochlore Lu ₂ V ₂ O ₇ : Role of magnetization. <i>Physical Review B</i> , 2015 , 91,	3-3	1
92	Antiferromagnetic order in the pyrochlores R ₂ Ge ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2015 , 92,	3-3	38
91	Long-range antiferromagnetic order in the frustrated XY pyrochlore antiferromagnet Er ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2014 , 89,	3-3	17
90	Direct measurement of the spin gap in a quasi-one-dimensional clinopyroxene: NaTiSi ₂ O ₆ . <i>Physical Review B</i> , 2014 , 90,	3-3	3

89	Liquidlike correlations in single-crystalline Y ₂ Mo ₂ O ₇ : An unconventional spin glass. <i>Physical Review B</i> , 2014 , 89,	3.3	49
88	Incipient ferromagnetism in Tb ₂ Ge ₂ O ₇ : application of chemical pressure to the enigmatic spin-liquid compound Tb ₂ Ti ₂ O ₇ . <i>Physical Review Letters</i> , 2014 , 113, 267205	7.4	19
87	Spin-cluster excitations in the rare-earth kagome system Nd ₃ Ga ₅ SiO ₁₄ . <i>Physical Review B</i> , 2014 , 90,	3.3	4
86	Chemical pressure effects on magnetism in the quantum spin liquid candidates Yb ₂ X ₂ O ₇ (X=Sn, Ti, Ge). <i>Physical Review B</i> , 2014 , 89,	3.3	48
85	Complex long-range magnetic ordering in the Mn-bearing dugganite Pb ₃ TeMn ₃ P ₂ O ₁₄ . <i>Journal of Solid State Chemistry</i> , 2013 , 204, 102-107	3.3	4
84	Yb ₂ Sn ₂ O ₇ : A magnetic Coulomb liquid at a quantum critical point. <i>Physical Review B</i> , 2013 , 87,	3.3	26
83	Phase diagram and magnetic structures of the Co-bearing dugganites Pb ₃ TeCo ₃ A ₂ O ₁₄ (A = V, P). <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 246004	1.8	6
82	Observation of magnetic polarons in the magnetoresistive pyrochlore Lu ₂ V ₂ O ₇ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 115601	1.8	1
81	Microwave-induced excitations in the kagome system Pr ₃ Ga ₅ SiO ₁₄ . <i>Physical Review B</i> , 2013 , 88,	3.3	3
80	Successive phase transitions and extended spin-excitation continuum in the S=1/2 triangular-lattice antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Physical Review Letters</i> , 2012 , 109, 267206	7.4	90
79	Statics and dynamics of the highly correlated spin ice Ho ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
78	Spin dynamics of the S = 5/2 2D triangular antiferromagnet Ba ₃ NbFe ₃ Si ₂ O ₁₄ . <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 246001	1.8	8
77	Pb ₃ TeCo ₃ V ₂ O ₁₄ : A Potential Multiferroic Co Bearing Member of the Dugganite Series. <i>Chemistry of Materials</i> , 2012 , 24, 664-670	9.6	11
76	New magnetic phase diagram of (Sr,Ca) ₂ RuO ₄ . <i>Nature Materials</i> , 2012 , 11, 323-8	27	44
75	Chemical pressure effects on pyrochlore spin ice. <i>Physical Review Letters</i> , 2012 , 108, 207206	7.4	57
74	Spin liquid state in the S = 1/2 triangular lattice Ba ₃ CuSb ₂ O ₉ . <i>Physical Review Letters</i> , 2011 , 106, 147204	7.4	102
73	Electron magnetic resonance studies of the Pr ₃ Ga ₅ SiO ₁₄ and Nd ₃ Ga ₅ SiO ₁₄ kagome systems. <i>Journal of Applied Physics</i> , 2011 , 109, 07E137	2.5	6
72	Muon spin relaxation and susceptibility measurements of an itinerant-electron system Sr _{1-x} CaxRuO ₃ : Quantum evolution from ferromagnet to paramagnet. <i>Physical Review B</i> , 2011 , 84,	3.3	17

71	Floating zone crystal growth and structural distortion of Pb ₂ V ₃ O ₉ . <i>Journal of Crystal Growth</i> , 2011 , 321, 120-123	1.6	2
70	Short range ordering in the modified honeycomb lattice compound SrHo(2)O(4). <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 164203	1.8	15
69	Absence of long-range magnetic ordering in the pyrochlore compound Er ₂ Sn ₂ O ₇ . <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 382201	1.8	21
68	High pressure route to generate magnetic monopole dimers in spin ice. <i>Nature Communications</i> , 2011 , 2, 478	17.4	59
67	Magnetic properties of the geometrically frustrated S=12 antiferromagnets, La ₂ LiMoO ₆ and Ba ₂ YMoO ₆ , with the B-site ordered double perovskite structure: Evidence for a collective spin-singlet ground state. <i>Physical Review B</i> , 2010 , 81,	3.3	90
66	Metamagnetic transition in single-crystal Bi ₄ Cu ₃ V ₂ O ₁₄ . <i>Physical Review B</i> , 2010 , 82,	3.3	4
65	Low-temperature spin dynamics in the kagome system Pr ₃ Ga ₅ SiO ₁₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	16
64	Structure and magnetic properties of the S=1 geometrically frustrated double perovskites La ₂ LiReO ₆ and Ba ₂ YReO ₆ . <i>Physical Review B</i> , 2010 , 81,	3.3	57
63	Possible Bose-Einstein condensate of magnons in single-crystalline Pb ₂ V ₃ O ₉ . <i>Physical Review B</i> , 2010 , 81,	3.3	17
62	Surface reconstruction of hexagonal Y-doped HoMnO ₃ and LuMnO ₃ studied using low-energy electron diffraction. <i>Physical Review B</i> , 2010 , 81,	3.3	1
61	Muon spin rotation measurements of heterogeneous field response in overdoped La _{2-x} Sr _x CuO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	10
60	Inhomogeneous magnetic cluster states in the magnetoresistance material Lu ₂ V ₂ O ₇ . <i>Physical Review B</i> , 2010 , 82,	3.3	6
59	Study of the ground state properties of LiHo(x)Y(1-x)F ₄ using muon spin relaxation. <i>Physical Review Letters</i> , 2010 , 105, 107203	7.4	11
58	Orbital fluctuations in the S=12 Mott insulator Sr ₂ VO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	17
57	Metal to Semimetal Transition in CaMgSi Crystals Grown from MgAl Flux. <i>Chemistry of Materials</i> , 2010 , 22, 1846-1853	9.6	27
56	Tuning Ferro- and Metamagnetic Transitions in Rare-Earth Cobalt Phosphides La _{1-x} Pr _x Co ₂ P ₂ . <i>Chemistry of Materials</i> , 2010 , 22, 1704-1713	9.6	40
55	Magnetic field induced quantum phase transition of the S=12 antiferromagnet K ₂ NaCrO ₈ . <i>Physical Review B</i> , 2010 , 81,	3.3	5
54	Inter- and intratrimer excitations in the multiferroic Ba ₃ NbFe ₃ Si ₂ O ₁₄ . <i>Physical Review B</i> , 2010 , 82,	3.3	12

53	Spin glass transitions in the absence of chemical disorder for the pyrochlores $A_2Sb_2O_7$ ($A=Mn, Co, Ni$). <i>Journal of Solid State Chemistry</i> , 2010 , 183, 890-894	3-3	19
52	Spin fluctuations in the antiferromagnetic metal $Nb_{12}O_{29}$. <i>Physical Review B</i> , 2009 , 80,	3-3	15
51	Superconducting state coexisting with a phase-separated static magnetic order in $(Ba,K)Fe_2As_2$, $(Sr,Na)Fe_2As_2$, and $CaFe_2As_2$. <i>Physical Review B</i> , 2009 , 80,	3-3	115
50	Muon spin relaxation studies of the frustrated quasi-two-dimensional square-lattice spin system $Cu(Cl,Br)La(Nb,Ta)_2O_7$: Evolution from spin-gap to antiferromagnetic state. <i>Physical Review B</i> , 2009 , 80,	3-3	24
49	Chemical pressure induced spin freezing phase transition in kagome pr langasites. <i>Physical Review Letters</i> , 2009 , 102, 067203	7-4	19
48	Two inequivalent sublattices and orbital ordering in MnV_2O_4 studied by V_51 NMR. <i>Physical Review B</i> , 2009 , 80,	3-3	21
47	Magnetic properties of the $S=3/2$ geometrically frustrated double perovskites La_2LiRuO_6 and Ba_2YRuO_6 . <i>Physical Review B</i> , 2009 , 80,	3-3	74
46	Absence of spin liquid behavior in $Nd_3Ga_5SiO_{14}$ using magneto-optical spectroscopy. <i>Physical Review Letters</i> , 2009 , 103, 267402	7-4	11
45	Itinerant spin excitations near the hidden order transition in $URu(2)Si(2)$. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 192202	1-8	21
44	$Ba_3NbFe_3Si_2O_{14}$: A New Multiferroic with a 2D Triangular Fe^{3+} Motif. <i>Chemistry of Materials</i> , 2009 , 21, 156-159	9-6	58
43	Unconventional spin glass behavior in the cubic pyrochlore $Mn_2Sb_2O_7$. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 325201	1-8	23
42	The effect of Er doping on the multiferroics of $Ho_{1-x}Er_xMnO_3$. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 035211	1-8	7
41	Ac susceptibility and $51V$ NMR study of MnV_2O_4 . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 135218	1-8	22
40	Static magnetic order in $Tb_2Sn_2O_7$ revealed by muon spin relaxation with exterior muon implantation. <i>Physical Review Letters</i> , 2008 , 101, 237201	7-4	13
39	Dynamic spin ice: $Pr_2Sn_2O_7$. <i>Physical Review Letters</i> , 2008 , 101, 227204	7-4	76
38	Dynamic spin correlations in stuffed spin ice $Ho_{2+x}Ti_2O_7$. <i>Physical Review B</i> , 2008 , 77,	3-3	12
37	Magnetic-polaron-driven magnetoresistance in the pyrochlore $Lu_2V_2O_7$. <i>Physical Review B</i> , 2008 , 77,	3-3	22
36	Intrinsic spin-disordered ground state of the Ising garnet $Ho_3Ga_5O_{12}$. <i>Physical Review B</i> , 2008 , 78,	3-3	11

35	Magnetodielectric anisotropy study of multiferroicity in Y-doped hexagonal HoMnO ₃ . <i>Journal of Applied Physics</i> , 2008 , 103, 07E319	2.5	2
34	Gapped itinerant spin excitations account for missing entropy in the hidden-order state of URu ₂ Si ₂ . <i>Nature Physics</i> , 2007 , 3, 96-99	16.2	148
33	Doping through the percolation limit in GeNi _{2-x} CoxO ₄ . <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 156202	1.8	3
32	Probing multiferroicity and spin-spin interactions via dielectric measurements on Y-doped HoMnO ₃ in high magnetic fields. <i>Physical Review B</i> , 2007 , 75,	3.3	13
31	Spin ordering and orbital ordering transitions in MnV ₂ O ₄ . <i>Physical Review B</i> , 2007 , 76,	3.3	51
30	Partial field-induced magnetic order in the spin-liquid kagomé Nd ₃ Ga ₅ Si ₁₄ . <i>Physical Review Letters</i> , 2007 , 99, 236401	7.4	27
29	Impurity-induced singlet breaking in SrCu ₂ (BO ₃) ₂ . <i>Physical Review B</i> , 2007 , 76,	3.3	8
28	Probing multiferroicity and spin-spin interactions via angular dependent dielectric measurements on Y-doped HoMnO ₃ in high magnetic fields. <i>Journal of Applied Physics</i> , 2007 , 101, 09M102	2.5	1
27	Orbital-ordering transition in Sr ₂ VO ₄ . <i>Physical Review Letters</i> , 2007 , 99, 136403	7.4	38
26	Relief of frustration through spin disorder in multiferroic Ho _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2007 , 75,	3.3	36
25	Muon spin relaxation study of superconducting Bi ₂ Sr _{2-x} LaxCuO _{6+δ} . <i>Physical Review B</i> , 2007 , 75,	3.3	30
24	Anisotropic superconductivity in bulk CaC ₆ . <i>Physical Review B</i> , 2007 , 76,	3.3	16
23	The origin of persistent spin dynamics and residual entropy in the stuffed spin ice Ho _{2.3} Ti _{1.7} O ₇ . <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 342201	1.8	14
22	Polarized inelastic neutron scattering of the partially ordered Tb ₂ Sn ₂ O ₇ . <i>Physical Review B</i> , 2007 , 76,	3.3	28
21	Specific heat of geometrically frustrated and multiferroic RMn _{1-x} GaxO ₃ (R=Ho,Y). <i>Physical Review B</i> , 2006 , 74,	3.3	17
20	Muon spin rotation study of. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 263-266	2.8	9
19	study of the "anti-glass". <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 13-16	2.8	8
18	Muon spin rotation study of field-induced magnetism in heavily overdoped. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 211-214	2.8	4

17	2D Kagomé ordering in the 3D frustrated spinel Li ₂ Mn ₂ O ₄ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6469-6482	1.8	17
16	Muon spin relaxation studies of magnetic-field-induced effects in high-T _c superconductors. <i>Physical Review Letters</i> , 2005 , 95, 157001	7.4	45
15	Search for hidden orbital currents and observation of an activated ring of magnetic scattering in the heavy fermion superconductor URu ₂ Si ₂ . <i>Physical Review B</i> , 2004 , 69,	3.3	23
14	Field-induced antiferromagnetic order in Pr _{2-x} Ce _x CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 783-784	1.3	3
13	Magnetic ordering in the spin-ice candidate Ho ₂ Ru ₂ O ₇ . <i>Physical Review Letters</i> , 2004 , 93, 076403	7.4	34
12	Synthesis, structure and magnetic properties of the pillared perovskites La ₅ Re ₃ MO ₁₆ (M=Mg, Fe, Co, Ni). <i>Journal of Solid State Chemistry</i> , 2003 , 170, 165-175	3.3	13
11	Frustration-driven spin freezing in the S=12 fcc perovskite Sr ₂ MgReO ₆ . <i>Physical Review B</i> , 2003 , 68,	3.3	82
10	Superconductivity and field-induced magnetism in Pr _{2-x} Ce _x CuO ₄ single crystals. <i>Physical Review Letters</i> , 2003 , 91, 147002	7.4	32
9	Field dependence of the muon spin relaxation rate in MnSi. <i>Physical Review Letters</i> , 2003 , 90, 157201	7.4	15
8	Neutron-scattering studies of the geometrically frustrated spinel LiMn ₂ O ₄ . <i>Physical Review B</i> , 2002 , 65,	3.3	42
7	Spin-glass behavior in the S=1/2 fcc ordered perovskite Sr ₂ CaReO ₆ . <i>Physical Review B</i> , 2002 , 65,	3.3	86
6	Spin and lattice excitations in the heavy-fermion superconductor UNi ₂ Al ₃ . <i>Physical Review B</i> , 2002 , 66,	3.3	8
5	Charge and magnetic ordering in the electron-doped magnetoresistive materials CaMnO ₃ (x=0.06,0.11). <i>Physical Review B</i> , 2001 , 64,	3.3	41
4	The Effect of Interlayer Cations on the Magnetic Properties of the Mixed-Metal Pnictide Oxides: A ₂ MnZn ₂ As ₂ O ₂ (A = Sr, Ba). <i>Chemistry of Materials</i> , 2001 , 13, 973-980	9.6	19
3	Synthesis, Structure, and Magnetic Behavior of La ₅ Re ₃ MnO ₁₆ : A New Perovskite-like Material. <i>Journal of Solid State Chemistry</i> , 2000 , 151, 31-39	3.3	19
2	Positron annihilation investigation of porous silicon heat treated to 1000 °C. <i>Journal of Applied Physics</i> , 1998 , 84, 6559-6564	2.5	10
1	First-order transition to a noncollinear antiferromagnetic structure in U ₂ Rh ₃ Si ₅ . <i>Physical Review B</i> , 1997 , 56, 13693-13696	3.3	12