Hanna A Dabkowska

List of Publications by Year
in descending order

65	2,477	279798 23	197818 49
papers	citations	h-index	g-index

68	68	68	2607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental proof of magnetic x-ray dichroism. Physical Review B, 1986, 34, 6529-6531.	3.2	418
2	Thermodynamic signatures of quantum criticality in cuprate superconductors. Nature, 2019, 567, 218-222.	27.8	120
3	Magnetostriction and magnetic texture to 100.75 Tesla in frustrated SrCu ₂ (BO) Tj ETQq1 1 0.784314 rgBT /Overlock 1[illegible] America, 2012, 109, 12404-12407.	7.1	118
4	Comment on the origin(s) of the giant permittivity effect in CaCu3Ti4O12 single crystals and ceramics. Journal of Materials Chemistry, 2009, 19, 5916.	6.7	105
5	Two-Dimensional Kagome Correlations and Field Induced Order in the Ferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:mi>Y</mml:mi></mml:math>Pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Yb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi><mml:mn mathvariant="bold">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review Lette	7.8	102
6	Absence of Paulingâ€™s residual entropy in thermally equilibrated Dy2Ti2O7. Nature Physics, 2013, 9, 353-356.	16.7	98
7	Structural Fluctuations in the Spin-Liquid State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Tb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi><mml:mn [illegible]:msub></mml:math>. Physical Review [illegible]	7.8	83
8	Spin Waves and Quantum Criticality in the Frustrated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:mi>Y</mml:mi></mml:math>Pyrochlore Antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Er</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi><mml:mn mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review Let	7.8	83
9	Field-Induced Order and Spin Waves in the Pyrochlore AntiferromagnetTb2Ti2O7. Physical Review Letters, 2006, 96, 177201.	7.8	76
10	Fractalization drives crystalline states in a frustrated spin system. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20157-20160.	7.1	73
11	Field-Induced Bose-Einstein Condensation of Triplons up to 8ÅK in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi>Cr</mml:mi><mml:mn mathvariant="bold">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2009, 103, 207203.	7.8	73
12	Evidence of impurity and boundary effects on magnetic monopole dynamics in spin ice. Nature Physics, 2013, 9, 34-37.	16.7	72
13	Metal-insulator transitions in La1-xTiO3, 0.0 .ltoreq. x .ltoreq. 0.33. structure-property correlations. Chemistry of Materials, 1994, 6, 2092-2102.	6.7	62
14	High-Resolution Study of Spin Excitations in the Singlet Ground State ofSrCu2(BO3)2. Physical Review Letters, 2004, 93, 267202.	7.8	62
15	Spin Ice: Magnetic Excitations without Monopole Signatures Using Muon Spin Rotation. Physical Review Letters, 2011, 107, 207207.	7.8	60
16	Trivalent Aluminum Ion Conducting Characteristics in Al2(WO4)3Single Crystals. Chemistry of Materials, 1998, 10, 2542-2545.	6.7	59
17	Thermal contraction behavior in Al2(WO4)3 single crystal. Journal of Crystal Growth, 2000, 220, 176-179.	1.5	58
18	Thermal properties of the pyrochlore, Y2Ti2O7. Journal of Solid State Chemistry, 2009, 182, 725-729.	2.9	53

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19	Magnetic nanopantograph in the SrCu ₂ (BO ₃) ₂ Shastryâ€“Sutherland lattice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1971-1976.	7.1	36
20	Supercooled spin liquid state in the frustrated pyrochlore Dy ₂ Ti ₂ O ₇. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8549-8554.	7.1	34
21	Continuous and discontinuous quantum phase transitions in a model two-dimensional magnet. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2286-2289.	7.1	30
22	Growth and properties of single crystals of relaxor PZNâ€“PT materials obtained from high-temperature solution. Journal of Crystal Growth, 2004, 265, 204-213.	1.5	25
23	Crystal Growth of Oxides by Optical Floating Zone Technique. , 2010, , 367-391.		24
24	Anderson-Mott transition induced by hole doping inNd1â^'xTiO3. Physical Review B, 2006, 74, .	3.2	23
25	Thermal conductivity of (Er<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.2	23
26	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /></mml:msub> Emergence of long-range order in sheets of magnetic dimers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14372-14377.	7.1	23
27	Discovery of quantum phases in the Shastry-Sutherland compound SrCu2(BO3)2 under extreme conditions of field and pressure. Nature Communications, 2022, 13, 2301.	12.8	23
28	Evaluation of LaSrGaO4 as a substrate for YBa2Cu3O7â^'Î´. Physica C: Superconductivity and Its Applications, 1994, 225, 7-12.	1.2	22
29	In-Gap Spin Excitations and Finite Triplet Lifetimes in the Dilute Singlet Ground State SystemSrCu2â^'xMgx(BO3)2. Physical Review Letters, 2006, 97, 247206.	7.8	22
30	Crystal growth and magnetic behaviour of pure and doped SrCu2(11BO3)2. Journal of Crystal Growth, 2007, 306, 123-128.	1.5	21
31	The flux growth of perovskites (CaTiO3, CdTiO3, SrZrO3, and LaGaO3, PrGaO3, NdGaO3). Journal of Crystal Growth, 1989, 94, 125-130.	1.5	20
32	Single-crystal growth of aluminum tungstateâ€“scandium tungstate solid solution samples by the modified Czochralski method. Journal of Crystal Growth, 1999, 200, 169-171.	1.5	20
33	Thermal Conductivity of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ho</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Ti</mml:mi><mml:mn mathvariant="bold">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>along the [111] Direction. Physical Review Letters, 2013, 110, 217209.	7.8	20
34	Real-space localization and quantification of hole distribution in chain-ladder Sr ₃ Ca ₁₁ Cu ₂₄ O ₄₁ superconductor. Science Advances, 2016, 2, e1501652.	10.3	20
35	Crystal growth and characterization of the new spin dimer system. Journal of Crystal Growth, 2008, 310, 870-873.	1.5	19
36	Critical Phenomena of the Spin-Peierls Transition in CuGeO3. Physical Review Letters, 1996, 76, 4919-4922.	7.8	18

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37	X-ray-diffraction study of critical phenomena at the spin-Peierls transition inCuGeO3. Physical Review B, 1998, 57, 14097-14104.	3.2	18
38	Magnetic properties of single crystals of a new cobaltite TbBaCo4O7+x. Physics of the Solid State, 2007, 49, 1125-1131.	0.6	17
39	Equation of state and electronic properties of EuVO4: A high-pressure experimental and computational study. Journal of Alloys and Compounds, 2015, 648, 1005-1016.	5.5	17
40	Crystal growth and characterization of superconducting lead cuprates. Journal of Crystal Growth, 1991, 113, 371-378.	1.5	15
41	(Li0.91Mn0.09)Mn2O4. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 331-332.	0.4	15
42	Flux growth of CdCr2O4 and ZnCr2O4 single crystals by the slow cooling method from different fluxes. Journal of Crystal Growth, 1981, 54, 607-609.	1.5	14
43	Solid solution single crystal growth of the aluminum tungstateâ€“scandium tungstate system by a modified CZ method. Journal of Crystal Growth, 2000, 208, 466-470.	1.5	14
44	Two Dimensional Ordering and Fluctuations inÎ±â€²â^'NaV2O5. Physical Review Letters, 2000, 84, 3446-3449.	7.8	14
45	Common glass-forming spin-liquid state in the pyrochlore magnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Dy</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ho</mml:mi><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2018, 98, .	3.2	14
46	Equation of state of zircon- and scheelite-type dysprosium orthovanadates: a combined experimental and theoretical study. Journal of Physics Condensed Matter, 2014, 26, 025401.	1.8	12
47	Emergent bound states and impurity pairs in chemically doped Shastry-Sutherland system. Nature Communications, 2019, 10, 2439.	12.8	12
48	Materials preparation, single-crystal growth, and the phase diagram of the cuprate high-temperature superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">La</mml:mi><mml:mrow><mml:mn>1.6</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">Nd</mml:mi><mml:mrow><mml:mn>0.4</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>Cu. Physical Review Mat	2.4	12
49	Phase diagram and crystal growth of Pb2Sr2(YxCa1-x)Cu3O8+y. Journal of Crystal Growth, 1992, 118, 101-108.	1.5	11
50	Crystal growth, structure and magnetic behavior of ytterbium cobalt gallium oxide YbCoGaO4. Journal of Crystal Growth, 2002, 234, 411-414.	1.5	11
51	Crystal growth and magnetic characterization of a tetragonal polymorph of NiNb2O6. Journal of Solid State Chemistry, 2016, 236, 19-23.	2.9	11
52	Growth of epitaxial films. Superconductor Science and Technology, 1997, 10, 891-895.	3.5	9
53	Crystal growth and superconductivity of (La1â^'xCax)2CaCu2O6+Î´. Journal of Physics and Chemistry of Solids, 2006, 67, 431-434.	4.0	9
54	High-field ESR Studies of the Quantum Spin Dimer System Ba3Cr2O8. Journal of Low Temperature Physics, 2013, 170, 231-235.	1.4	9

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55	Critical phenomena at the spin-Peierls transition in dopedCuGeO3. Physical Review B, 1998, 58, 12252-12259.	3.2	8
56	Title is missing!. Journal of Low Temperature Physics, 2003, 130, 425-433.	1.4	7
57	Structure and magnetic interactions in the solid solution Ba3â^'xSrxCr2O8. Materials Research Bulletin, 2013, 48, 3108-3111.	5.2	6
58	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). Chemistry of Materials, 2019, 31, 7833-7844.	6.7	6
59	Barium chromium oxide, Ba3Cr2O8, as grown by the traveling solvent floating-zone technique. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, i196-i196.	0.2	5
60	X-ray emission studies of some REGaO3 single crystals. Journal of the Less Common Metals, 1990, 160, 79-84.	0.8	4
61	Optical Observation of Striations in Y2Ti2O7 Single Crystals. Crystals, 2019, 9, 233.	2.2	3
62	Application of Optical Floating Zone Method to Dissolution Kinetics of Inclusions in a Steelmaking Slag. Steel Research International, 2019, 90, 1800367.	1.8	3
63	Single crystal growth and variation of thermodynamic and magnetic properties of Pr1â^'La AlO3 (x= 0,) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	2
64	Single crystal growth and characterization of frustrated antiferromagnet SraPb1 â^' aCrxGa12 â^' xO19. Journal of Crystal Growth, 1996, 165, 179-182.	1.5	1
65	Raport from the meetings of the International Organization for Crystal Growth Council and General Assembly held during ICCGE-19 in Keystone, USA, July 28 â€“ Aug 02, 2019. Journal of Crystal Growth, 2020, 532, 125367.	1.5	0