Patrickâ€M Woodward

List of Publications by Year
in descending order

84 papers	6,892 citations	81839 39 h-index	60583 81 g-index
86 all docs	86 docs citations	86 times ranked	7378 citing authors

#	Article	IF	Citations
1	The Impact of Structural Distortions on the Magnetism of Double Perovskites Containing 5d¹ Transition-Metal Ions. Chemistry of Materials, 2022, 34, 1098-1109.	3.2	7
2	Exploring the Stability of Mixed-Halide Vacancy-Ordered Quadruple Perovskites. Chemistry of Materials, 2021, 33, 2165-2172.	3.2	16
3	Exploring the AgSb1â^'xBixI4 phase diagram: Thermochromism in layered CdCl2-type semiconductors. Journal of Solid State Chemistry, 2021, 297, 121997.	1.4	8
4	Coupled Compositional and Displacive Modulations in KLaMnWO₆ Revealed by Atomic Resolution Imaging. Journal of the American Chemical Society, 2021, 143, 19121-19127.	6.6	1
5	Rb₃InCl₆: A Monoclinic Double Perovskite Derivative with Bright Sb³⁺-Activated Photoluminescence. Inorganic Chemistry, 2020, 59, 14478-14485.	1.9	53
6	Interfacial Rashba-Effect-Induced Anisotropy in Nonmagnetic-Materialâ€“Ferrimagnetic-Insulator Bilayers. Physical Review Letters, 2020, 124, 257202.	2.9	28
7	Cs₄Cd_{1â€“x}Mn_xBi₂Cl₁₂â€”A Vacancy-Ordered Halide Perovskite Phosphor with High-Efficiency Orange-Red Emission. Chemistry of Materials, 2020, 32, 3510-3516.	3.2	71
8	Doping Evolution of the Local Electronic and Structural Properties of the Double Perovskite Ba₂Na_{1â€“x}Ca_xOsO₆. Journal of Physical Chemistry C, 2020, 124, 16577-16585.	1.5	9
9	Four Lead-free Layered Double Perovskites with the n = 1 Ruddlesdenâ€“Popper Structure. Inorganic Chemistry, 2020, 59, 6010-6017.	1.9	36
10	High-efficiency blue photoluminescence in the Cs₂NaInCl₆:Sb³⁺ double perovskite phosphor. Journal of Materials Chemistry C, 2020, 8, 6797-6803.	2.7	107
11	Cs₂AgBiBr_{6â^'x}Cl_x solid solutions â€“ band gap engineering with halide double perovskites. Journal of Materials Chemistry C, 2019, 7, 9686-9689.	2.7	40
12	Synthesis and Reactivity of Zr MOFs Assembled from P^NN^NP-Ru Pincer Complexes. Organometallics, 2019, 38, 3419-3428.	1.1	14
13	Broadband White Emission in Cs₂AgIn_{1â€“x}Bi_xCl₆ Phosphors. Inorganic Chemistry, 2019, 58, 13403-13410.	1.9	58
14	Cs₂NaBiCl₆:Mn²⁺â€”A New Orange-Red Halide Double Perovskite Phosphor. Chemistry of Materials, 2019, 31, 1738-1744.	3.2	221
15	Band Gap Modulation of Tantalum(V) Perovskite Semiconductors by Anion Control. Catalysts, 2019, 9, 161.	1.6	8
16	Postsynthetic Metal Exchange in a Metalâ€“Organic Framework Assembled from Co(III) Diphosphine Pincer Complexes. Inorganic Chemistry, 2019, 58, 3227-3236.	1.9	23
17	The Crystal Structure and Magnetic Behavior of Quinary Osmate and Ruthenate Double Perovskites LaABBâ€²O₆ (A = Ca, Sr; B = Co, Ni; Bâ€² = Ru, Os). Inorganic Chemistry, 2018, 57, 2989-3001.	1.9	20
18	Type I antiferromagnetic order in Ba2LuReO6: Exploring the role of structural distortions in double perovskites containing 5d2 ions. Journal of Solid State Chemistry, 2018, 258, 762-767.	1.4	10

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19	A symmetry roadmap to new perovskite multiferroics. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, 291-292.	0.0	2
20	Negative and positive thermal expansion-like volume changes due to intermetallic charge transfer based on an ionic crystal model of transition-metal oxides. APL Materials, 2018, 6, .	2.2	9
21	Cs_{1â€“x}Rb_xPbCl₃ and Cs_{1â€“x}Rb_xPbBr₃ Solid Solutions: Understanding Octahedral Tilting in Lead Halide Perovskites. Chemistry of Materials, 2017, 29, 3507-3514.	3.2	138
22	Monochromated Electron Energy-Loss Spectroscopy of Lead-Free Halide Perovskite Semiconductors. Microscopy and Microanalysis, 2017, 23, 2098-2099.	0.2	0
23	Spin-orbit coupling control of anisotropy, ground state and frustration in 5d2 Sr2MgOsO6. Scientific Reports, 2016, 6, 32462.	1.6	25
24	Structural, Magnetic, and Optical Properties of A3V4(PO4)6 (A = Mg, Mn, Fe, Co, Ni). Inorganic Chemistry, 2016, 55, 5772-5779.	1.9	5
25	Incorporation of gallium-68 into the crystal structure of Prussian blue to form K⁶⁸Ga_xFe_{1â^'x}[Fe(CN)₆] nanoparticles: toward a novel bimodal PET/MRI imaging agent. Dalton Transactions, 2016, 45, 9174-9181.	1.6	10
26	Evaluating NaREMgWO₆ (RE = La, Gd, Y) Doubly Ordered Double Perovskites as Eu³⁺ Phosphor Hosts. Inorganic Chemistry, 2016, 55, 12383-12390.	1.9	84
27	Magnetism in Ca₂CoOsO₆ and Ca₂NiOsO₆: Unraveling the Mystery of Superexchange Interactions between 3d and 5d Ions. Chemistry of Materials, 2016, 28, 3666-3675.	3.2	47
28	Cs₂AgBiX₆ (X = Br, Cl): New Visible Light Absorbing, Lead-Free Halide Perovskite Semiconductors. Chemistry of Materials, 2016, 28, 1348-1354.	3.2	1,077
29	The effect of chemical pressure on the structure and properties of A2CrOsO6 (A=Sr, Ca) ferrimagnetic double perovskite. Journal of Solid State Chemistry, 2016, 238, 46-52.	1.4	44
30	Effects of chemical pressure on the magnetic ground states of the osmate double perovskites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrCaCoOs</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2	1.1	33
31	Magnetic structure of the quasi-one-dimensionalLa3OsO7as determined by neutron powder diffraction. Physical Review B, 2015, 92, .	1.1	9
32	Probing Bonding Environments in Osmium-Based Double Perovskites Using Monochromated Dual Electron-Energy Loss Spectroscopy. Microscopy and Microanalysis, 2015, 21, 2365-2366.	0.2	0
33	Magnetic structure in epitaxially strained<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">CrReO</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>thin films by element-specific XAS and XMCD. Physical Review B, 2014, 89, .	1.1	16
34	Celebrating 175Âyears of perovskite research: a tribute to Roger H. Mitchell. Physics and Chemistry of Minerals, 2014, 41, 387-391.	0.3	55
35	Comment on â€œFrustrated Octahedral Tilting Distortion in the Incommensurately Modulated Li_{3x}Nd_{2/3â€“x}TiO₃ Perovskitesâ€• Chemistry of Materials, 2014, 26, 1286-1287.	3.2	3
36	Probing the Links between Structure and Magnetism in Sr_{2â€“x}Ca_xFeOsO₆ Double Perovskites. Inorganic Chemistry, 2014, 53, 7983-7992.	1.9	59

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37	Theory of High<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>Ferrimagnetism in a Multiorbital Mott Insulator. Physical Review Letters, 2013, 110, 087203.	7.9	64
38	Independent Ordering of Two Interpenetrating Magnetic Sublattices in the Double Perovskite Sr₂CoOsO₆. Journal of the American Chemical Society, 2013, 135, 18824-18830.	6.6	92
39	Structures of Î±-K₃MoO₃F₃ and Î±-Rb₃MoO₃F₃: Ferroelectricity from Anion Ordering and Noncooperative Octahedral Tilting. Crystal Growth and Design, 2013, 13, 5404-5410.	1.4	25
40	Electrical and Optical Properties of Sb-Doped BaSnO₃. Chemistry of Materials, 2013, 25, 3858-3866.	3.2	83
41	Theory of half-metallic double perovskites. II. Effective spin Hamiltonian and disorder effects. Physical Review B, 2013, 87, .	1.1	45
42	Theory of half-metallic double perovskites. I. Double exchange mechanism. Physical Review B, 2013, 87, .	1.1	59
43	Theory of Strain-Controlled Magnetotransport and Stabilization of the Ferromagnetic Insulating Phase in Manganite Thin Films. Physical Review Letters, 2013, 110, 157201.	2.9	39
44	Production and isolation of pH sensing materials by carbonate melt oxidation of iridium and platinum. Journal of Materials Chemistry, 2012, 22, 7782.	6.7	20
45	Ca₂MnRuO₆: Magnetic Order Arising from Chemical Chaos. Chemistry of Materials, 2012, 24, 2757-2763.	3.2	11
46	The Incommensurately Modulated Structures of the Perovskites NaCeMnWO₆ and NaPrMnWO₆. Inorganic Chemistry, 2012, 51, 4007-4014.	1.9	16
47	Spontaneous Superlattice Formation in the Doubly Ordered Perovskite KLaMnWO₆. Chemistry of Materials, 2011, 23, 163-170.	3.2	32
48	The High-Temperature Polymorphs of K₃AlF₆. Inorganic Chemistry, 2011, 50, 7792-7801.	1.9	31
49	Unlocking the potential of half-metallic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">FeMoO</mml:mi><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> through controlled stoichiometry and double-perovsk. Physical Review B, 2011, 83, .	1.1	73
50	Linking local structure and properties in perovskites containing equal concentrations of manganese and ruthenium. Physical Review B, 2011, 83, .	1.1	3
51	Cation ordering in perovskites. Journal of Materials Chemistry, 2010, 20, 5785.	6.7	564
52	Structure and Properties of Sr_{1â^'x}Ca_xMn_{0.5}Ru_{0.5}O₃ Perovskites: Using Chemical Pressure to Control Mn/Ru Mixed Valency. Chemistry of Materials, 2010, 22, 3369-3382.	3.2	23
53	First-Principles Study of Defective and Nonstoichiometric Sr₂FeMoO₆. Chemistry of Materials, 2010, 22, 6092-6102.	3.2	37
54	Crystal Structure and Phase Transitions in Sr₃WO₆. Inorganic Chemistry, 2010, 49, 6058-6065.	1.9	33

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55	Magnetic structures of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Na</mml:mtext><mml:mi>L</mml:mi><mml:msub><mml:mrow><mml:mtext>MnWO</mml:mtext></mml:mrow></mml:msub></mml:mrow></mml:math> xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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73	Crystal structures of disordered A2Mn3+M5+O6 (A=Sr, Ca; M=Sb, Nb, Ru) perovskites. Journal of Solid State Chemistry, 2004, 177, 1651-1659.	1.4	49
74	Mixed Valence in YBaFe2O5. Inorganic Chemistry, 2003, 42, 1121-1129.	1.9	75
75	Mixed Valence in YBaFe2O5.. ChemInform, 2003, 34, no.	0.1	0
76	Investigations of the electronic structure of d0 transition metal oxides belonging to the perovskite family. Journal of Solid State Chemistry, 2003, 175, 94-109.	1.4	357
77	Ordered double perovskites â€“ a group-theoretical analysis. Acta Crystallographica Section B: Structural Science, 2003, 59, 463-471.	1.8	450
78	High-Pressure Synthesis and Characterization of Perovskites with Simultaneous Ordering of Both the A- and B-Site Cations, CaCu3Ga2M2O12(M = Sb, Ta). Chemistry of Materials, 2003, 15, 3798-3804.	3.2	52
79	Structural Tuning of Charge, Orbital, and Spin Ordering in Double-Cell Perovskite Series between NdBaFe2O5and HoBaFe2O5. Journal of the American Chemical Society, 2003, 125, 8889-8899.	6.6	55
80	Verwey transition in mixed-valenceTbBaFe2O5:â€ƒTwo attempts to order charges. Physical Review B, 2001, 64, .	1.1	74
81	Prediction of the crystal structures of perovskites using the software program SPuDS. Acta Crystallographica Section B: Structural Science, 2001, 57, 725-738.	1.8	603
82	The High-Temperature Phases of WO3. Journal of Solid State Chemistry, 1999, 144, 209-215.	1.4	217
83	Synthesis and structural investigations of the double perovskites REBaFe2O5+w (RE=Nd, Sm). Journal of Materials Chemistry, 1999, 9, 789-797.	6.7	80
84	Synthesis, crystal chemistry, and optical properties of two methylammonium silver halides: CH3NH3AgBr2 and CH3NH3Ag2I3. Journal of Materials Chemistry C, 0, , .	2.7	2