

Patrick M Woodward

List of Publications by Year in descending order

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93792

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8328
citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Structural Distortions on the Magnetism of Double Perovskites Containing 5d ¹ Transition-Metal Ions. <i>Chemistry of Materials</i> , 2022, 34, 1098-1109.	3.2	7
2	Exploring the Stability of Mixed-Halide Vacancy-Ordered Quadruple Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 2165-2172.	3.2	16
3	Exploring the AgSb _{1-x} Bi _x phase diagram: Thermochromism in layered CdCl ₂ -type semiconductors. <i>Journal of Solid State Chemistry</i> , 2021, 297, 121997.	1.4	8
4	Coupled Compositional and Displacive Modulations in KLaMnWO ₆ Revealed by Atomic Resolution Imaging. <i>Journal of the American Chemical Society</i> , 2021, 143, 19121-19127.	6.6	1
5	Rb ₃ InCl ₆ : A Monoclinic Double Perovskite Derivative with Bright Sb ³⁺ -Activated Photoluminescence. <i>Inorganic Chemistry</i> , 2020, 59, 14478-14485.	1.9	53
6	Interfacial Rashba-Effect-Induced Anisotropy in Nonmagnetic-Material/Ferrimagnetic-Insulator Bilayers. <i>Physical Review Letters</i> , 2020, 124, 257202.	2.9	28
7	Cs ₄ Cd ^x Mn ^x Bi ₂ Cl ₁₂ A Vacancy-Ordered Halide Perovskite Phosphor with High-Efficiency Orange-Red Emission. <i>Chemistry of Materials</i> , 2020, 32, 3510-3516.	3.2	71
8	Doping Evolution of the Local Electronic and Structural Properties of the Double Perovskite Ba ₂ Na ^x Ca ^x OsO ₆ . <i>Journal of Physical Chemistry C</i> , 2020, 124, 16577-16585.	1.5	9
9	Four Lead-free Layered Double Perovskites with the <i>n</i> = 1 Ruddlesden-Popper Structure. <i>Inorganic Chemistry</i> , 2020, 59, 6010-6017.	1.9	36
10	High-efficiency blue photoluminescence in the Cs ₂ NaInCl ₆ :Sb ³⁺ double perovskite phosphor. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6797-6803.	2.7	107
11	Cs ₂ AgBiBr _{6-x} Cl _x solid solutions band gap engineering with halide double perovskites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9686-9689.	2.7	40
12	Synthesis and Reactivity of Zr MOFs Assembled from P _N P-Ru Pincer Complexes. <i>Organometallics</i> , 2019, 38, 3419-3428.	1.1	14
13	Broadband White Emission in Cs ₂ AgIn ^x Bi ^x Cl ₆ Phosphors. <i>Inorganic Chemistry</i> , 2019, 58, 13403-13410.	1.9	58
14	Cs ₂ NaBiCl ₆ :Mn ²⁺ A New Orange-Red Halide Double Perovskite Phosphor. <i>Chemistry of Materials</i> , 2019, 31, 1738-1744.	3.2	221
15	Band Gap Modulation of Tantalum(V) Perovskite Semiconductors by Anion Control. <i>Catalysts</i> , 2019, 9, 161.	1.6	8
16	Postsynthetic Metal Exchange in a Metal-Organic Framework Assembled from Co(III) Diphosphine Pincer Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 3227-3236.	1.9	23
17	The Crystal Structure and Magnetic Behavior of Quinary Osmate and Ruthenate Double Perovskites La _{1-x} AB ₂ O ₆ (<i>A</i> = Ca, Sr; <i>B</i> = Co, Ni; <i>B</i> = Ru, Os). <i>Inorganic Chemistry</i> , 2018, 57, 2989-3001.	1.9	20
18	Type I antiferromagnetic order in Ba ₂ LuReO ₆ : Exploring the role of structural distortions in double perovskites containing 5d ² ions. <i>Journal of Solid State Chemistry</i> , 2018, 258, 762-767.	1.4	10

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19	A symmetry roadmap to new perovskite multiferroics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 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. <i>APL Materials</i> , 2018, 6, .	2.2	9
21	Cs _{1-x} Rb _x PbCl ₃ and Cs _{1-x} Rb _x PbBr ₃ Solid Solutions: Understanding Octahedral Tilting in Lead Halide Perovskites. <i>Chemistry of Materials</i> , 2017, 29, 3507-3514.	3.2	138
22	Monochromated Electron Energy-Loss Spectroscopy of Lead-Free Halide Perovskite Semiconductors. <i>Microscopy and Microanalysis</i> , 2017, 23, 2098-2099.	0.2	0
23	Spin-orbit coupling control of anisotropy, ground state and frustration in 5d2 Sr2MgOsO6. <i>Scientific Reports</i> , 2016, 6, 32462.	1.6	25
24	Structural, Magnetic, and Optical Properties of A3V4(PO4)6 (A = Mg, Mn, Fe, Co, Ni). <i>Inorganic Chemistry</i> , 2016, 55, 5772-5779.	1.9	5
25	Incorporation of gallium-68 into the crystal structure of Prussian blue to form K ⁶⁸ Ga _x Fe _{1-x} [Fe(CN) ₆] nanoparticles: toward a novel bimodal PET/MRI imaging agent. <i>Dalton Transactions</i> , 2016, 45, 9174-9181.	1.6	10
26	Evaluating NaREMgWO ₆ (RE = La, Gd, Y) Doubly Ordered Double Perovskites as Eu ³⁺ Phosphor Hosts. <i>Inorganic Chemistry</i> , 2016, 55, 12383-12390.	1.9	84
27	Magnetism in Ca ₂ CoOsO ₆ and Ca ₂ NiOsO ₆ : Unraveling the Mystery of Superexchange Interactions between 3d and 5d Ions. <i>Chemistry of Materials</i> , 2016, 28, 3666-3675.	3.2	47
28	Cs ₂ AgBiX ₆ (X = Br, Cl): New Visible Light Absorbing, Lead-Free Halide Perovskite Semiconductors. <i>Chemistry of Materials</i> , 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. <i>Journal of Solid State Chemistry</i> , 2016, 238, 46-52.	1.4	44
30	Effects of chemical pressure on the magnetic ground states of the osmate double perovskites SrCaCoOsO ₆ and Sr _{1-x} Ca _x CoOsO ₆ . <i>Physical Review B</i> , 2016, 93, 040401.		33
31	Magnetic structure of the quasi-one-dimensional La3OsO7 as determined by neutron powder diffraction. <i>Physical Review B</i> , 2015, 92, .	1.1	9
32	Probing Bonding Environments in Osmium-Based Double Perovskites Using Monochromated Dual Electron-Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 2365-2366.	0.2	0
33	Magnetic structure in epitaxially strained Sr _{1-x} Ca _x CoOsO ₆ thin films by element-specific XAS and XMCD. <i>Physical Review B</i> , 2014, 89, .	1.1	16
34	Celebrating 175 years of perovskite research: a tribute to Roger H. Mitchell. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 387-391.	0.3	55
35	Comment on "Frustrated Octahedral Tilting Distortion in the Incommensurately Modulated Li ₃ Nd ₂ TiO ₃ Perovskites". <i>Chemistry of Materials</i> , 2014, 26, 1286-1287.	3.2	3
36	Probing the Links between Structure and Magnetism in Sr ₂ Ca _x FeOsO ₆ Double Perovskites. <i>Inorganic Chemistry</i> , 2014, 53, 7983-7992.	1.9	59

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37	Theory of High T_c Ferrimagnetism in a Multiorbital Mott Insulator. <i>Physical Review Letters</i> , 2013, 110, 087203.		64
38	Independent Ordering of Two Interpenetrating Magnetic Sublattices in the Double Perovskite Sr_2CoOsO_6 . <i>Journal of the American Chemical Society</i> , 2013, 135, 18824-18830.	6.6	92
39	Structures of $Rb_3MoO_3F_3$ and $Rb_3MoO_3F_3$: Ferroelectricity from Anion Ordering and Noncooperative Octahedral Tilting. <i>Crystal Growth and Design</i> , 2013, 13, 5404-5410.	1.4	25
40	Electrical and Optical Properties of Sb-Doped $BaSnO_3$. <i>Chemistry of Materials</i> , 2013, 25, 3858-3866.	3.2	83
41	Theory of half-metallic double perovskites. II. Effective spin Hamiltonian and disorder effects. <i>Physical Review B</i> , 2013, 87, .	1.1	45
42	Theory of half-metallic double perovskites. I. Double exchange mechanism. <i>Physical Review B</i> , 2013, 87, .	1.1	59
43	Theory of Strain-Controlled Magnetotransport and Stabilization of the Ferromagnetic Insulating Phase in Manganite Thin Films. <i>Physical Review Letters</i> , 2013, 110, 157201.	2.9	39
44	Production and isolation of pH sensing materials by carbonate melt oxidation of iridium and platinum. <i>Journal of Materials Chemistry</i> , 2012, 22, 7782.	6.7	20
45	Ca_2MnRuO_6 : Magnetic Order Arising from Chemical Chaos. <i>Chemistry of Materials</i> , 2012, 24, 2757-2763.	3.2	11
46	The Incommensurately Modulated Structures of the Perovskites $NaCeMnWO_6$ and $NaPrMnWO_6$. <i>Inorganic Chemistry</i> , 2012, 51, 4007-4014.	1.9	16
47	Spontaneous Superlattice Formation in the Doubly Ordered Perovskite $KLaMnWO_6$. <i>Chemistry of Materials</i> , 2011, 23, 163-170.	3.2	32
48	The High-Temperature Polymorphs of K_3AlF_6 . <i>Inorganic Chemistry</i> , 2011, 50, 7792-7801.	1.9	31
49	Unlocking the potential of half-metallic $Sr_2Mn_2O_7$ through controlled stoichiometry and double-perovsk. <i>Physical Review B</i> , 2011, 83, .	1.1	73
50	Linking local structure and properties in perovskites containing equal concentrations of manganese and ruthenium. <i>Physical Review B</i> , 2011, 83, .	1.1	3
51	Cation ordering in perovskites. <i>Journal of Materials Chemistry</i> , 2010, 20, 5785.	6.7	564
52	Structure and Properties of $Sr_{1-x}Ca_xMn_{0.5}Ru_{0.5}O_3$ Perovskites: Using Chemical Pressure to Control Mn/Ru Mixed Valency. <i>Chemistry of Materials</i> , 2010, 22, 3369-3382.	3.2	23
53	First-Principles Study of Defective and Nonstoichiometric Sr_2FeMoO_6 . <i>Chemistry of Materials</i> , 2010, 22, 6092-6102.	3.2	37
54	Crystal Structure and Phase Transitions in Sr_3WO_6 . <i>Inorganic Chemistry</i> , 2010, 49, 6058-6065.	1.9	33

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55	Magnetic structures of NaL_{MnWO}		

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73	Crystal structures of disordered $A_2Mn_3M_5O_6$ (A=Sr, Ca; M=Sb, Nb, Ru) perovskites. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1651-1659.	1.4	49
74	Mixed Valence in $YBaFe_2O_5$. <i>Inorganic Chemistry</i> , 2003, 42, 1121-1129.	1.9	75
75	Mixed Valence in $YBaFe_2O_5$. <i>ChemInform</i> , 2003, 34, no.	0.1	0
76	Investigations of the electronic structure of d0 transition metal oxides belonging to the perovskite family. <i>Journal of Solid State Chemistry</i> , 2003, 175, 94-109.	1.4	357
77	Ordered double perovskites – a group-theoretical analysis. <i>Acta Crystallographica Section B: Structural Science</i> , 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, $CaCu_3Ga_2M_2O_{12}$ (M = Sb, Ta). <i>Chemistry of Materials</i> , 2003, 15, 3798-3804.	3.2	52
79	Structural Tuning of Charge, Orbital, and Spin Ordering in Double-Cell Perovskite Series between $NdBaFe_2O_5$ and $HoBaFe_2O_5$. <i>Journal of the American Chemical Society</i> , 2003, 125, 8889-8899.	6.6	55
80	Verwey transition in mixed-valence $TbBaFe_2O_5$: Two attempts to order charges. <i>Physical Review B</i> , 2001, 64, .	1.1	74
81	Prediction of the crystal structures of perovskites using the software program SPuDS. <i>Acta Crystallographica Section B: Structural Science</i> , 2001, 57, 725-738.	1.8	603
82	The High-Temperature Phases of WO_3 . <i>Journal of Solid State Chemistry</i> , 1999, 144, 209-215.	1.4	217
83	Synthesis and structural investigations of the double perovskites $REBaFe_2O_{5+w}$ (RE=Nd, Sm). <i>Journal of Materials Chemistry</i> , 1999, 9, 789-797.	6.7	80
84	Synthesis, crystal chemistry, and optical properties of two methylammonium silver halides: $CH_3NH_3AgBr_2$ and $CH_3NH_3Ag_2I_3$. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	2