

Martha Greenblatt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3260375/publications.pdf>

Version: 2024-02-01

98
papers

2,663
citations

201385

27
h-index

205818

48
g-index

106
all docs

106
docs citations

106
times ranked

3389
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Pressure Synthesis of Polar and Antiferromagnetic $\text{Mn}_2\text{MnMoO}_6$. Chemistry of Materials, 2022, 34, 1930-1936.	3.2	3
2	Creating Functional Oxynitride-Silicon Interfaces and SrNbO_2N Thin Films for Photoelectrochemical Applications. Journal of Physical Chemistry C, 2022, 126, 5970-5979.	1.5	1
3	Magnetic Ordering and Structural Transition in the Ordered Double-Perovskite $\text{Pb}_2\text{NiMoO}_6$. Chemistry of Materials, 2022, 34, 97-106.	3.2	3
4	$\text{Eu}_2\text{Mg}_3\text{Bi}_4$: Competing Magnetic Orders on a Buckled Honeycomb Lattice. Chemistry of Materials, 2022, 34, 3902-3909.	3.2	0
5	Intersite Charge Transfer Enhanced Oxygen Evolution Reactivity on A ₂ IrO ₃ (A=Li, Na, Cu) Delafossite Electrocatalysts. Journal of the Electrochemical Society, 2022, 169, 056523.	1.3	1
6	$\text{Fe}_3\text{InSn}_x\text{O}_6$ ($x = 0, 0.25, \text{ or } 0.5$): A Family of Corundum Derivatives with Sn-Induced Polarization and Above Room Temperature Antiferromagnetic Ordering. Chemistry of Materials, 2022, 34, 5020-5029.	3.2	2
7	A combinatory ferroelectric compound bridging simple ABO ₃ and A-site-ordered quadruple perovskite. Nature Communications, 2021, 12, 747.	5.8	62
8	$\text{Tl}_2\text{Ir}_2\text{O}_7$: A Pauli Paramagnetic Metal, Proximal to a Metal Insulator Transition. Inorganic Chemistry, 2021, 60, 4424-4433.	1.9	5
9	Antiferromagnetic Order Breaks Inversion Symmetry in a Metallic Double Perovskite, $\text{Pb}_2\text{NiOsO}_6$. Chemistry of Materials, 2021, 33, 4188-4195.	3.2	8
10	Defect-engineered room-temperature ferromagnetism in quasi-two-dimensional nitrated CoTa_2O_6 . Physical Review B, 2021, 104, .	1.1	0
11	Spin Reorientation in Antiferromagnetic Layered FePt_5P . ACS Applied Electronic Materials, 2021, 3, 3501-3508.	2.0	8
12	A Polar Magnetic and Insulating Double Corundum Oxide: $\text{Mn}_2\text{MnSbO}_6$ with Ordered Mn(II) and Mn(III) Ions. Chemistry of Materials, 2021, 33, 6522-6529.	3.2	9
13	High-Pressure Synthesis of Double Perovskite $\text{Ba}_2\text{NiIrO}_6$: In Search of a Ferromagnetic Insulator. Inorganic Chemistry, 2021, 60, 1241-1247.	1.9	14
14	Nonmetallic metal toward a pressure-induced bad-metal state in two-dimensional $\text{Cu}_3\text{LiRu}_2\text{O}_6$. Chemical Communications, 2020, 56, 265-268.	2.2	5
15	Highly efficient and durable III-V semiconductor-catalyst photocathodes via a transparent protection layer. Sustainable Energy and Fuels, 2020, 4, 1437-1442.	2.5	9
16	Ambient and High Pressure CuNiSb_2 : Metal-Ordered and Metal-Disordered NiAs-Type Derivative Pnictides. Inorganic Chemistry, 2020, 59, 14058-14069.	1.9	0
17	Measured and simulated thermoelectric properties of FeAs_2Se_x ($x = 0, 0.25, 0.5, 0.75, 1$) Tj ETQq1,10.784314 rgBT 2.6 0	2.6	0
18	A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites. Angewandte Chemie, 2020, 132, 8317-8323.	1.6	1

#	ARTICLE	IF	CITATIONS
19	A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8240-8246.	7.2	13
20	Universal A-Cation Splitting in LiNbO ₃ -Type Structure Driven by Intrapositional Multivalent Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 7168-7178.	6.6	7
21	High-Pressure, High-Temperature Synthesis and Characterization of Polar and Magnetic LuCrWO ₆ . <i>Inorganic Chemistry</i> , 2020, 59, 3579-3584.	1.9	9
22	Structural, magnetic, and spin dynamical properties of the polar antiferromagnets CNi_3O_{11} . <i>Physical Review Materials</i> , 2019, 3, 031101.	1.1	9
23	Innen-Äktitelbild: A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites (<i>Angew. Chem.</i> 21/2020). <i>Angewandte Chemie</i> , 2020, 132, 8378-8378.	1.6	0
24	LaMn ₃ Rh ₄ O ₁₂ : An Antiferromagnetic Quadruple Perovskite Synthesized at High Pressure. <i>Inorganic Chemistry</i> , 2019, 58, 10280-10286.	1.9	8
25	High-Pressure Synthesis and Ferrimagnetism of Ni ₃ TeO ₆ -Type Mn ₂ ScMO ₆ (M = Nb, Ta). <i>Inorganic Chemistry</i> , 2019, 58, 15953-15961.	1.9	6
26	Creating stable interfaces between reactive materials: titanium nitride protects photoabsorber-catalyst interface in water-splitting photocathodes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2400-2411.	5.2	25
27	MnFe _{0.5} Ru _{0.5} O ₃ : an above-room-temperature antiferromagnetic semiconductor. <i>Journal of Materials Chemistry C</i> , 2019, 7, 509-522.	2.7	5
28	La _{1.5} Sr _{0.5} NiMn _{0.5} Ru _{0.5} O ₆ Double Perovskite with Enhanced ORR/OER Bifunctional Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21454-21464.	4.0	129
29	Mn ₂ CoReO ₆ : a robust multisublattice antiferromagnetic perovskite with small A-site cations. <i>Chemical Communications</i> , 2019, 55, 3331-3334.	2.2	15
30	Tetragonal Cs _{1.17} In _{0.81} Cl ₃ : A Charge-Ordered Indium Halide Perovskite Derivative. <i>Chemistry of Materials</i> , 2019, 31, 1981-1989.	3.2	20
31	Pressure-dependent X-ray diffraction of the multiferroics RMn_2O_5 . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 687-696.	0.5	2
32	High-Pressure Synthesis of Lu ₂ Ni ₆ O ₆ with Ferrimagnetism and Large Coercivity. <i>Inorganic Chemistry</i> , 2019, 58, 397-404.	1.9	28
33	Reversible Structural Transformation between Polar Polymorphs of Li ₂ GeTeO ₆ . <i>Inorganic Chemistry</i> , 2019, 58, 1599-1606.	1.9	10
34	Room-temperature ferrimagnetism of anti-site-disordered CNi_3O_{11} . <i>Physical Review Materials</i> , 2019, 3, 031101.	0.9	16
35	Climbing the Volcano of Electrocatalytic Activity while Avoiding Catalyst Corrosion: Ni ₃ P, a Hydrogen Evolution Electrocatalyst Stable in Both Acid and Alkali. <i>ACS Catalysis</i> , 2018, 8, 4408-4419.	5.5	178
36	YCrWO ₆ : Polar and Magnetic Oxide with CaTa ₂ O ₆ -Related Structure. <i>Chemistry of Materials</i> , 2018, 30, 1045-1054.	3.2	22

#	ARTICLE	IF	CITATIONS
37	Structural and spectroscopic properties of the polar antiferromagnet $\text{NixMn}_{2-x}\text{Te}$. <i>Physical Review B</i> , 2018, 97, .	1.1	11
38	Dynamic Ferrimagnetic Order in a Highly Distorted Double Perovskite $\text{Y}_{2-x}\text{CoRuO}_6$. <i>Chemistry of Materials</i> , 2018, 30, 7047-7054.	3.2	19
39	$\text{Mn}_{2-x}(\text{Fe}_{0.8-x}\text{Mo}_{0.2-x})\text{MO}_6$: A Double Perovskite with Multiple Transition Metal Sublattice Magnetic Effects. <i>Chemistry of Materials</i> , 2018, 30, 4508-4514.	3.2	25
40	Selective CO_2 reduction to C_3 and C_4 oxyhydrocarbons on nickel phosphides at overpotentials as low as 10 mV. <i>Energy and Environmental Science</i> , 2018, 11, 2550-2559.	15.6	165
41	Thermoelectric Properties of CoAsSb : An Experimental and Theoretical Study. <i>Chemistry of Materials</i> , 2018, 30, 4207-4215.	3.2	5
42	Polar Magnets in Double Corundum Oxides. <i>Chemistry of Materials</i> , 2017, 29, 5447-5457.	3.2	46
43	A(II)GeTeO_6 (A = Mn, Cd, Pb): Non-Centrosymmetric Layered Tellurates with PbSb_2O_6 -Related Structure. <i>Inorganic Chemistry</i> , 2017, 56, 9019-9024.	1.9	18
44	Magnetostriction-polarization coupling in multiferroic Mn_2MnWO_6 . <i>Nature Communications</i> , 2017, 8, 2037.	5.8	40
45	Antiferromagnetic structure and electronic properties of $\text{NixTe}_{1-x}\text{O}_6$. <i>Physical Review B</i> , 2017, 95, .	1.1	15
46	Antiferromagnetic structure and electronic properties of $\text{BaCr}_{1-x}\text{Fe}_x\text{As}_2$. <i>Physical Review B</i> , 2017, 95, .	3.9	39
47	Low-temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie</i> , 2016, 128, 10016-10021.	1.6	3
48	Low-temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9862-9867.	7.2	20
49	Frontispiz: Low-Temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0
50	$\text{Pb}_2\text{MnTeO}_6$ Double Perovskite: An Antipolar Anti-ferromagnet. <i>Inorganic Chemistry</i> , 2016, 55, 4320-4329.	1.9	20
51	$\text{Mn}_2\text{MnReO}_6$: Synthesis and Magnetic Structure Determination of a New Transition-Metal-Only Double Perovskite Canted Antiferromagnet. <i>Chemistry of Materials</i> , 2016, 28, 3148-3158.	3.2	45
52	Structure and Magnetic Behavior of Layered Honeycomb Tellurates, BiM(III)TeO_6 (M = Cr, Tj). <i>Energy and Environmental Science</i> , 2016, 9, 1000-1008.	1.9	18
53	$\text{Ba}_3(\text{Cr}_{0.97}(1)\text{Te}_{0.03}(1))_2\text{TeO}_9$: in Search of Jahn-Teller Distorted Cr(II) Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 10135-10142.	1.9	8
54	Frontispiece: Low-Temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	7.2	0

#	ARTICLE	IF	CITATIONS
55	Observation of a superlattice in $\text{La}_{0.9}\text{MnO}_3$. <i>Physical Review Letters</i> , 2001, 86, 127201.	1.1	0
56	A new one-dimensional strontium vanadium tellurite, $\text{Sr}_7\text{V}_4\text{Te}_{12}\text{O}_{41}$. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 647-651.	0.2	5
57	PbMn(IV)TeO_6 : A New Noncentrosymmetric Layered Honeycomb Magnetic Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 1333-1338.	1.9	22
58	Structural basis for differing electrocatalytic water oxidation by the cubic, layered and spinel forms of lithium cobalt oxides. <i>Energy and Environmental Science</i> , 2016, 9, 184-192.	15.6	81
59	Giant Magnetoresistance in the Half-Metallic Double-Perovskite Ferrimagnet $\text{Mn}_2\text{FeReO}_6$. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12069-12073.	7.2	100
60	Half-Metallicity in $\text{Pb}_2\text{CoReO}_6$ Double Perovskite and High Magnetic Ordering Temperature in $\text{Pb}_2\text{CrReO}_6$ Perovskite. <i>Chemistry of Materials</i> , 2015, 27, 4450-4458.	3.2	26
61	Strong Electron Hybridization and Fermi-to-Non-Fermi Liquid Transition in $\text{LaCu}_3\text{Ir}_4\text{O}_{12}$. <i>Chemistry of Materials</i> , 2015, 27, 211-217.	3.2	16
62	Mn_2FeWO_6 : A New Ni_3TeO_6 -Type Polar and Magnetic Oxide. <i>Advanced Materials</i> , 2015, 27, 2177-2181.	11.1	53
63	Hole Doping and Structural Transformation in $\text{CsTl}_2\text{HgCl}_3$. <i>Inorganic Chemistry</i> , 2015, 54, 1066-1075.	1.9	10
64	Magnetic Structure-Stabilized Polarization in an Above-Room-Temperature Ferrimagnet. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10774-10778.	7.2	44
65	Designing Polar and Magnetic Oxides: $\text{Zn}_2\text{FeTaO}_6$ - in Search of Multiferroics. <i>Journal of the American Chemical Society</i> , 2014, 136, 8508-8511.	6.6	68
66	Polar and Magnetic Mn_2FeMO_6 (M=Nb, Ta) with LiNbO_3 -type Structure: High-Pressure Synthesis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8406-8410.	7.2	81
67	The role of an oxometallic complex in OH dissociation during water oxidation: a microscopic insight from DFT study. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10422.	5.2	4
68	Synthesis, crystal structure, and properties of KSbO_3 -type $\text{Bi}_3\text{Mn}_{1.9}\text{Te}_{1.1}\text{O}_{11}$. <i>Journal of Solid State Chemistry</i> , 2013, 197, 543-549.	1.4	19
69	Critical spin dynamics in the antiferromagnet LaNi_4O_8 . <i>Physical Review Letters</i> , 2011, 106, 107201.	1.1	31
70	Synthesis and structure determination of ferromagnetic semiconductors LaMnSnO_6 (A = Tj, ET, Qq, O, Q, rg, BT, O, verlock 10). <i>Physical Review B</i> , 2011, 83, 041101.	6.7	4
71	Spiral ground state against ferroelectricity in the frustrated magnet BiMnFeO_3 . <i>Physical Review Letters</i> , 2006, 96, 107201.	1.1	12
72	Electronic and magnetic structures of bilayer LaNi_3O_7 . <i>Physical Review B</i> , 2006, 73, 041101.	1.1	25

#	ARTICLE	IF	CITATIONS
73	BiMnFe ₂ O ₆ , a polysynthetically twinned hcp MO structure. <i>Chemical Science</i> , 2010, 1, 751.	3.7	13
74	La ₂ MnVO ₆ double perovskite: a structural, magnetic and X-ray absorption investigation. <i>Journal of Materials Chemistry</i> , 2009, 19, 4382.	6.7	19
75	Synthesis, structure and magnetic properties of A ₂ MnB ₂ O ₆ (A=Ca, Sr; B=Sb, Ta) double perovskites. <i>Journal of Solid State Chemistry</i> , 2008, 181, 2325-2331.	1.4	51
76	Synthesis, Structure, and Magnetic Properties of SrLaMnSbO ₆ : A New B-Site Ordered Double Perovskite. <i>Chemistry of Materials</i> , 2008, 20, 4653-4660.	3.2	28
77	Magnetic and electronic properties of double perovskites and estimation of their Curie temperatures by <i>ab initio</i> calculations. <i>Physical Review B</i> , 2008, 78, .	1.1	81
78	Crystal Structures of Ln ₄ Ni ₃ O ₈ (Ln = La, Nd) Triple Layer <i>Ti</i> -type Nickelates. <i>Inorganic Chemistry</i> , 2007, 46, 10887-10891.	1.9	64
79	La ₃ Ni ₂ O ₆ : A New Double <i>Ti</i> -type Nickelate with Infinite Ni ^{1+/2+} O ₂ Layers. <i>Journal of the American Chemical Society</i> , 2006, 128, 9050-9051.	6.6	102
80	Sr ₃ Fe _{5/4} Mo _{3/4} O _{6.9} , an n = 2 Ruddlesden-Popper Phase: Synthesis and Properties. <i>Chemistry of Materials</i> , 2006, 18, 3448-3457.	3.2	19
81	Crystal Structure and Properties of Ru-Stoichiometric LaSrMnRuO ₆ . <i>Chemistry of Materials</i> , 2006, 18, 2611-2617.	3.2	25
82	Charge transfer, hybridization and local inhomogeneity effects in Na _x CoO ₂ ·yH ₂ O: An x-ray absorption spectroscopy study. <i>Physical Review B</i> , 2006, 74, .	1.1	41
83	Evolution of structure and magnetic properties in electron-doped double perovskites, Sr ₂ La _{1-x} MnWO ₆ (0 ≤ x ≤ 1). <i>Journal of Solid State Chemistry</i> , 2005, 178, 1356-1366.	1.4	28
84	Synthesis and Characterization of Sr ₃ FeMoO _{6.88} : An Oxygen-Deficient 2D Analogue of the Double Perovskite Sr ₂ FeMoO ₆ . <i>Chemistry of Materials</i> , 2005, 17, 2562-2567.	3.2	22
85	Synthesis, Cation Ordering, and Magnetic Properties of the (Sb _{1-x} Pbx) ₂ (Mn _{1-y} Sby) ₄ O ₄ Solid Solutions with the Sb ₂ MnO ₄ -Type Structure. <i>Chemistry of Materials</i> , 2005, 17, 1123-1134.	3.2	22
86	Synthesis and characterization of the new Ln ₂ FeMoO ₇ (Ln = Y, Dy, Ho) compounds. <i>Journal of Materials Chemistry</i> , 2004, 14, 1623.	6.7	21
87	Structural, Magnetic, and Transport Properties of the Two Electron-Doped Ruddlesden-Popper Manganites Ca _{3-x} Th _x Mn ₂ O ₇ . <i>Chemistry of Materials</i> , 2003, 15, 1302-1308.	3.2	23
88	Large effects of A-site average cation size on the properties of the double perovskites Ba _{2-x} Sr _x MnReO ₆ : A, Ad ₅ d ₁ system. <i>Physical Review B</i> , 2003, 67, .	1.1	102
89	Ion-selective sensors based on molybdenum bronzes. <i>Journal of Solid State Electrochemistry</i> , 2002, 6, 374-383.	1.2	10
90	Micromagnetic and Magnetoresistance Studies of Ferromagnetic La _{0.83} Sr _{0.13} MnO _{2.98} Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2000, 658, 561.	0.1	0

#	ARTICLE	IF	CITATIONS
91	Structure, Magnetism, and Properties of Ruddlesden-Popper Calcium Manganates Prepared from Citrate Gels. <i>Chemistry of Materials</i> , 1998, 10, 3643-3651.	3.2	103
92	Electronic structure of surface defects in $K_{0.3}MoO_3$. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 2196-2200.	0.9	29
93	Defects in Quasi-One Dimensional Oxide Conductors: $K_{0.3}MoO_3$. <i>Materials Research Society Symposia Proceedings</i> , 1994, 375, 133.	0.1	0
94	PHOSPHATE TUNGSTEN BRONZES – A NEW FAMILY OF QUASI-LOW-DIMENSIONAL METALLIC OXIDES. <i>International Journal of Modern Physics B</i> , 1993, 07, 3937-3971.	1.0	55
95	Proton Conducting Solid Electrolytes for High Temperature Humidity Sensing. <i>Materials Research Society Symposia Proceedings</i> , 1992, 293, 283.	0.1	0
96	Synthesis and Characterization of $Tl_2Ba_2CaCu_2O_8$ and $Tl_2Ba_2Ca_2Cu_3O_{10}$. <i>Materials Research Society Symposia Proceedings</i> , 1989, 169, 357.	0.1	0
97	High Temperature Humidity Sensing Materials. <i>Materials Research Society Symposia Proceedings</i> , 1988, 135, 603.	0.1	2
98	Absorption and magnetic circular dichroism of the vibronically allowed d-d transitions in Mn^{2+} : CdF_2 . <i>Molecular Physics</i> , 1975, 29, 97-112.	0.8	6