

Martha Greenblatt

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Climbing the Volcano of Electrocatalytic Activity while Avoiding Catalyst Corrosion: Ni ₃ P, a Hydrogen Evolution Electrocatalyst Stable in Both Acid and Alkali. ACS Catalysis, 2018, 8, 4408-4419.	5.5	178
2	Selective CO ₂ reduction to C ₃ and C ₄ oxyhydrocarbons on nickel phosphides at overpotentials as low as 10 mV. Energy and Environmental Science, 2018, 11, 2550-2559.	15.6	165
3	La _{1.5} Sr _{0.5} NiMn _{0.5} Ru _{0.5} O ₆ Double Perovskite with Enhanced ORR/OER Bifunctional Catalytic Activity. ACS Applied Materials & Interfaces, 2019, 11, 21454-21464.	4.0	129
4	Structure, Magnetism, and Properties of Ruddlesden-Popper Calcium Manganates Prepared from Citrate Gels. Chemistry of Materials, 1998, 10, 3643-3651.	3.2	103
5	Large effects of A-site average cation size on the properties of the double perovskites Ba _{2-x} Sr _x MnReO ₆ system. Physical Review B, 2003, 67, .	1.1	102
6	La ₃ Ni ₂ O ₆ : A New Double T _h -type Nickelate with Infinite Ni ^{1+/2+} O ₂ Layers. Journal of the American Chemical Society, 2006, 128, 9050-9051.	6.6	102
7	Giant Magnetoresistance in the Half-Metallic Double Perovskite Ferrimagnet Mn ₂ FeReO ₆ . Angewandte Chemie - International Edition, 2015, 54, 12069-12073.	7.2	100
8	Magnetic and electronic properties of double perovskites and estimation of their Curie temperatures by <i>ab initio</i> calculations. Physical Review B, 2008, 78, .	1.1	81
9	Polar and Magnetic Mn ₂ FeMO ₆ (M=Nb, Ta) with LiNbO ₃ -type Structure: High-Pressure Synthesis. Angewandte Chemie - International Edition, 2013, 52, 8406-8410.	7.2	81
10	Structural basis for differing electrocatalytic water oxidation by the cubic, layered and spinel forms of lithium cobalt oxides. Energy and Environmental Science, 2016, 9, 184-192.	15.6	81
11	Designing Polar and Magnetic Oxides: Zn ₂ FeTaO ₆ - in Search of Multiferroics. Journal of the American Chemical Society, 2014, 136, 8508-8511.	6.6	68
12	Crystal Structures of Ln ₄ Ni ₃ O ₈ (Ln = La, Nd) Triple Layer T _h -type Nickelates. Inorganic Chemistry, 2007, 46, 10887-10891.	1.9	64
13	A combinatory ferroelectric compound bridging simple ABO ₃ and A-site-ordered quadruple perovskite. Nature Communications, 2021, 12, 747.	5.8	62
14	PHOSPHATE TUNGSTEN BRONZES - A NEW FAMILY OF QUASI-LOW-DIMENSIONAL METALLIC OXIDES. International Journal of Modern Physics B, 1993, 07, 3937-3971.	1.0	55
15	Mn ₂ FeWO ₆ : A New Ni ₃ TeO ₆ -type Polar and Magnetic Oxide. Advanced Materials, 2015, 27, 2177-2181.	11.1	53
16	Synthesis, structure and magnetic properties of A ₂ MnB ₂ O ₆ (A=Ca, Sr; B ²⁺ =Sb, Ta) double perovskites. Journal of Solid State Chemistry, 2008, 181, 2325-2331.	1.4	51
17	Polar Magnets in Double Corundum Oxides. Chemistry of Materials, 2017, 29, 5447-5457.	3.2	46
18	Mn ₂ MnReO ₆ : Synthesis and Magnetic Structure Determination of a New Transition-Metal-Only Double Perovskite Canted Antiferromagnet. Chemistry of Materials, 2016, 28, 3148-3158.	3.2	45

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19	Magnetic Structure Stabilized Polarization in an Above-Room-Temperature Ferrimagnet. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10774-10778.	7.2	44
20	Charge transfer, hybridization and local inhomogeneity effects in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$: An x-ray absorption spectroscopy study. <i>Physical Review B</i> , 2006, 74, .	1.1	41
21	Magnetostriction-polarization coupling in multiferroic Mn_2MnWO_6 . <i>Nature Communications</i> , 2017, 8, 2037.	5.8	40
22	Antiferromagnetic structure and electronic properties of $\text{BaCr}_2\text{Mn}_2\text{O}_{10}$. <i>Physical Review B</i> , 2017, 95, antiferromagnet	1.1	32
23	Crystal structure and magnetic properties of $\text{La}_4\text{Ni}_3\text{O}_{10}$. <i>Physical Review B</i> , 2011, 83, .	3.2	31
24	Electronic structure of surface defects in $\text{K}_0.3\text{MoO}_3$. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1994, 12, 2196-2200.	0.9	29
25	Evolution of structure and magnetic properties in electron-doped double perovskites, $\text{Sr}_{2-x}\text{La}_x\text{MnWO}_6$ ($0 \leq x \leq 1$). <i>Journal of Solid State Chemistry</i> , 2005, 178, 1356-1366.	1.4	28
26	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
27	High-Pressure Synthesis of $\text{Lu}_2\text{Ni}_6\text{O}_{12}$ with Ferrimagnetism and Large Coercivity. <i>Inorganic Chemistry</i> , 2019, 58, 397-404.	1.9	28
28	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
29	Crystal Structure and Properties of Ru-Stoichiometric LaSrMnRuO_6 . <i>Chemistry of Materials</i> , 2006, 18, 2611-2617.	3.2	25
30	Electronic and magnetic structures of bilayer $\text{La}_3\text{Ni}_2\text{O}_{10}$. <i>Physical Review B</i> , 2011, 83, .	1.1	25
31	Crystal structure and magnetic properties of $\text{Mn}_2(\text{Fe}_{0.8}\text{Mo}_{0.2})\text{MoO}_6$: A Double Perovskite with Multiple Transition Metal Sublattice Magnetic Effects. <i>Chemistry of Materials</i> , 2018, 30, 4508-4514.	3.2	25
32	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
33	Structural, Magnetic, and Transport Properties of the Two Electron-Doped Ruddlesden-Popper Manganites $\text{Ca}_{3-x}\text{Th}_x\text{Mn}_2\text{O}_7$. <i>Chemistry of Materials</i> , 2003, 15, 1302-1308.	3.2	23
34	Synthesis and Characterization of Sr_3FeMo_6 : An Oxygen-Deficient 2D Analogue of the Double Perovskite Sr_2FeMo_6 . <i>Chemistry of Materials</i> , 2005, 17, 2562-2567.	3.2	22
35	Synthesis, Cation Ordering, and Magnetic Properties of the $(\text{Sb}_{1-x}\text{Pb}_x)_2(\text{Mn}_{1-y}\text{Sb}_y)\text{O}_4$ Solid Solutions with the Sb_2MnO_4 -Type Structure. <i>Chemistry of Materials</i> , 2005, 17, 1123-1134.	3.2	22
36	PbMn(IV)TeO_6 : A New Noncentrosymmetric Layered Honeycomb Magnetic Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 1333-1338.	1.9	22

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37	YCrWO ₆ : Polar and Magnetic Oxide with CaTa ₂ O ₆ -Related Structure. Chemistry of Materials, 2018, 30, 1045-1054.	3.2	22
38	Synthesis and characterization of the new Ln ₂ FeMoO ₇ (Ln = Y, Dy, Ho) compounds. Journal of Materials Chemistry, 2004, 14, 1623.	6.7	21
39	Low-temperature Cationic Rearrangement in a Bulk Metal Oxide. Angewandte Chemie - International Edition, 2016, 55, 9862-9867.	7.2	20
40	Pb ₂ MnTeO ₆ Double Perovskite: An Antipolar Anti-ferromagnet. Inorganic Chemistry, 2016, 55, 4320-4329.	1.9	20
41	Tetragonal Cs _{1.17} In _{0.81} Cl ₃ : A Charge-Ordered Indium Halide Perovskite Derivative. Chemistry of Materials, 2019, 31, 1981-1989.	3.2	20
42	Sr ₃ Fe _{5/4} Mo _{3/4} O _{6.9} , an n = 2 Ruddlesden-Popper Phase: Synthesis and Properties. Chemistry of Materials, 2006, 18, 3448-3457.	3.2	19
43	La ₂ MnVO ₆ double perovskite: a structural, magnetic and X-ray absorption investigation. Journal of Materials Chemistry, 2009, 19, 4382.	6.7	19
44	Synthesis, crystal structure, and properties of KSbO ₃ -type Bi ₃ Mn _{1.9} Te _{1.1} O ₁₁ . Journal of Solid State Chemistry, 2013, 197, 543-549.	1.4	19
45	Dynamic Ferrimagnetic Order in a Highly Distorted Double Perovskite Y ₂ CoRuO ₆ . Chemistry of Materials, 2018, 30, 7047-7054.	3.2	19
46	Structure and Magnetic Behavior of Layered Honeycomb Tellurates, BiM(III)TeO ₆ (M = Cr, Tj). <i>ETQq0 0,0rgBT /Overlock 10</i>	1.9	18
47	A(II)GeTeO ₆ (A = Mn, Cd, Pb): Non-Centrosymmetric Layered Tellurates with PbSb ₂ O ₆ -Related Structure. Inorganic Chemistry, 2017, 56, 9019-9024.	1.9	18
48	Strong Electron Hybridization and Fermi-to-Non-Fermi Liquid Transition in LaCu ₃ Ir ₄ O ₁₂ . Chemistry of Materials, 2015, 27, 211-217.	3.2	16
49	Room-temperature ferrimagnetism of anti-site-disordered $C_{2}Mn_{2}MnO_{6}$ Multiferroic excitations in multiferroic $Mn_{2}MnO_{6}$. <i>Physical Review B</i> , 2017, 95, .	0.9	16
50	$Ni_{3}Te_{6}O_{6}$ Physical Review B, 2017, 95, .	1.1	15
51	Mn ₂ CoReO ₆ : a robust multisublattice antiferromagnetic perovskite with small A-site cations. Chemical Communications, 2019, 55, 3331-3334.	2.2	15
52	High-Pressure Synthesis of Double Perovskite Ba ₂ NiIrO ₆ : In Search of a Ferromagnetic Insulator. Inorganic Chemistry, 2021, 60, 1241-1247.	1.9	14
53	BiMnFe ₂ O ₆ , a polysynthetically twinned hcp MO structure. Chemical Science, 2010, 1, 751.	3.7	13
54	A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites. Angewandte Chemie - International Edition, 2020, 59, 8240-8246.	7.2	13

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55	Ground state against ferroelectricity in the frustrated magnet BiMnFeO ₂ . <i>Physical Review B</i> , 2018, 97, . Structural and spectroscopic properties of the polar antiferromagnet $NiMn_2O_6$. <i>Journal of Solid State Electrochemistry</i> , 2002, 6, 374-383.	1.1	12
56	Structural and spectroscopic properties of the polar antiferromagnet $NiMn_2O_6$. <i>Physical Review B</i> , 2018, 97, .	1.1	11
57	Ion-selective sensors based on molybdenum bronzes. <i>Journal of Solid State Electrochemistry</i> , 2002, 6, 374-383.	1.2	10
58	Hole Doping and Structural Transformation in CsTl ₂ Ir ₂ HgCl ₃ . <i>Inorganic Chemistry</i> , 2015, 54, 1066-1075.	1.9	10
59	Reversible Structural Transformation between Polar Polymorphs of Li ₂ GeTeO ₆ . <i>Inorganic Chemistry</i> , 2019, 58, 1599-1606.	1.9	10
60	Highly efficient and durable III ^V semiconductor-catalyst photocathodes via a transparent protection layer. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1437-1442.	2.5	9
61	High-Pressure, High-Temperature Synthesis and Characterization of Polar and Magnetic LuCrWO ₆ . <i>Inorganic Chemistry</i> , 2020, 59, 3579-3584.	1.9	9
62	Structural, magnetic, and spin dynamical properties of the polar antiferromagnets $NiMn_3C$ and $NiMn_3O$. <i>Chemistry of Materials</i> , 2021, 33, 6522-6529.	1.1	9
63	A Polar Magnetic and Insulating Double Corundum Oxide: Mn ₂ MnSbO ₆ with Ordered Mn(II) and Mn(III) Ions. <i>Chemistry of Materials</i> , 2021, 33, 6522-6529.	3.2	9
64	Ba ₃ (Cr _{0.97} (1)Te _{0.03} (1)) ₂ TeO ₉ : in Search of Jahn-Teller Distorted Cr(II) Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 10135-10142.	1.9	8
65	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
66	Antiferromagnetic Order Breaks Inversion Symmetry in a Metallic Double Perovskite, Pb ₂ NiOsO ₆ . <i>Chemistry of Materials</i> , 2021, 33, 4188-4195.	3.2	8
67	Spin Reorientation in Antiferromagnetic Layered FePt ₅ P. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3501-3508.	2.0	8
68	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
69	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
70	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
71	A new one-dimensional strontium vanadium tellurite, Sr ₇ V ₄ Te ₁₂ O ₄₁ . <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 647-651.	0.2	5
72	Thermoelectric Properties of CoAsSb: An Experimental and Theoretical Study. <i>Chemistry of Materials</i> , 2018, 30, 4207-4215.	3.2	5

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73	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
74	Nonmetallic metal toward a pressure-induced bad-metal state in two-dimensional Cu ₃ LiRu ₂ O ₆ . <i>Chemical Communications</i> , 2020, 56, 265-268.	2.2	5
75	Tl ₂ Ir ₂ O ₇ : A Pauli Paramagnetic Metal, Proximal to a Metal Insulator Transition. <i>Inorganic Chemistry</i> , 2021, 60, 4424-4433.	1.9	5
76	Synthesis and structure determination of ferromagnetic semiconductors LaAMnSnO ₆ (A = Tl, ETQq0 0.0,rgBT /Overlock 10	6.7	4
77	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
78	Low-temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie</i> , 2016, 128, 10016-10021.	1.6	3
79	High-Pressure Synthesis of Polar and Antiferromagnetic Mn ₂ MnMoO ₆ . <i>Chemistry of Materials</i> , 2022, 34, 1930-1936.	3.2	3
80	Magnetic Ordering and Structural Transition in the Ordered Double-Perovskite Pb ₂ NiMoO ₆ . <i>Chemistry of Materials</i> , 2022, 34, 97-106.	3.2	3
81	High Temperature Humidity Sensing Materials. <i>Materials Research Society Symposia Proceedings</i> , 1988, 135, 603.	0.1	2
82	Pressure-dependent X-ray diffraction of the multiferroics <i>R</i> Mn ₂ O ₅ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 687-696.	0.5	2
83	Fe ³⁺ LnSn _x O ₆ (x = 0, 0.25, or 0.5): A Family of Corundum Derivatives with Sn-Induced Polarization and Above Room Temperature Antiferromagnetic Ordering. <i>Chemistry of Materials</i> , 2022, 34, 5020-5029.	3.2	2
84	A Pressure-Induced Inverse Order-Disorder Transition in Double Perovskites. <i>Angewandte Chemie</i> , 2020, 132, 8317-8323.	1.6	1
85	Creating Functional Oxynitride-Silicon Interfaces and SrNbO ₂ N Thin Films for Photoelectrochemical Applications. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5970-5979.	1.5	1
86	Intersite Charge Transfer Enhanced Oxygen Evolution Reactivity on A ₂ IrO ₃ (A=Li, Na, Cu) Delafossite Electrocatalysts. <i>Journal of the Electrochemical Society</i> , 2022, 169, 056523.	1.3	1
87	Synthesis and Characterization of Tl ₂ Ba ₂ CaCu ₂ O ₈ and Tl ₂ Ba ₂ CaCu ₃ O ₁₀ . <i>Materials Research Society Symposia Proceedings</i> , 1989, 169, 357.	0.1	0
88	Proton Conducting Solid Electrolytes for High Temperature Humidity Sensing. <i>Materials Research Society Symposia Proceedings</i> , 1992, 293, 283.	0.1	0
89	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
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

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91	Frontispiz: Low-Temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0
92	Frontispiece: Low-Temperature Cationic Rearrangement in a Bulk Metal Oxide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, .	7.2	0
93	$L_i M_{0.9} M_6$	1.1	0
94	Ambient and High Pressure CuNiSb2: Metal-Ordered and Metal-Disordered NiAs-Type Derivative Pnictides. <i>Inorganic Chemistry</i> , 2020, 59, 14058-14069.	1.9	0
95	Measured and simulated thermoelectric properties of $\text{FeAs}_{2-x}\text{Se}_x$ ($x = 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1$)	1.07843	0
96	Innenr��cktitelbild: 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
97	Defect-engineered room-temperature ferromagnetism in quasi-two-dimensional nitrated CoTa_2O_6 . <i>Physical Review B</i> , 2021, 104, .	1.1	0
98	$\text{Eu}_2\text{Mg}_3\text{Bi}_4$: Competing Magnetic Orders on a Buckled Honeycomb Lattice. <i>Chemistry of Materials</i> , 2022, 34, 3902-3909.	3.2	0