

Joke Hadermann

List of Publications by Year in descending order

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292
papers

6,036
citations

87843

38
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128225

60
g-index

335
all docs

335
docs citations

335
times ranked

7676
citing authors

#	ARTICLE	IF	CITATIONS
1	Strength, toughness and aging stability of highly-translucent Y-TZP ceramics for dental restorations. <i>Dental Materials</i> , 2016, 32, e327-e337.	1.6	260
2	Structural Requirements in Lithium Cobalt Oxides for the Catalytic Oxidation of Water. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1616-1619.	7.2	150
3	$\text{La}_{1.5}\text{Sr}_{0.5}\text{NiMn}_{0.5}\text{Ru}_{0.5}\text{O}_6$ Double Perovskite with Enhanced ORR/OER Bifunctional Catalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21454-21464.	4.0	129
4	A Chemical Approach to Raise Cell Voltage and Suppress Phase Transition in O ₃ Sodium Layered Oxide Electrodes. <i>Advanced Energy Materials</i> , 2018, 8, 1702599.	10.2	127
5	Highly-translucent, strong and aging-resistant 3Y-TZP ceramics for dental restoration by grain boundary segregation. <i>Acta Biomaterialia</i> , 2015, 16, 215-222.	4.1	117
6	AVPO_4F (A = Li, K): A 4 V Cathode Material for High-Power Rechargeable Batteries. <i>Chemistry of Materials</i> , 2016, 28, 411-415.	3.2	117
7	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
8	3Y-TZP ceramics with improved hydrothermal degradation resistance and fracture toughness. <i>Journal of the European Ceramic Society</i> , 2014, 34, 2453-2463.	2.8	98
9	Synthesis and Structural Characterization of $\text{La}_{1-x}\text{A}_x\text{MnO}_{2.5}$ (A = Ba, Sr, Ca) Phases: Mapping the Variants of the Brownmillerite Structure. <i>Chemistry of Materials</i> , 2009, 21, 5527-5538.	3.2	95
10	Tetrahedral Chain Order in the $\text{Sr}_2\text{Fe}_2\text{O}_5$ Brownmillerite. <i>Chemistry of Materials</i> , 2008, 20, 7188-7194.	3.2	87
11	Effect of cation dopant radius on the hydrothermal stability of tetragonal zirconia: Grain boundary segregation and oxygen vacancy annihilation. <i>Acta Materialia</i> , 2016, 106, 48-58.	3.8	85
12	Energy transfer in Eu^{3+} doped scheelites: use as thermographic phosphor. <i>Optics Express</i> , 2014, 22, A961.	1.7	84
13	Critical influence of alumina content on the low temperature degradation of 3mol% yttria-stabilized TZP for dental restorations. <i>Journal of the European Ceramic Society</i> , 2015, 35, 741-750.	2.8	84
14	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
15	Incommensurate Modulation and Luminescence in the $\text{CaCd}_2\text{Eu}_2(\text{MoO}_4)_4(\text{WO}_4)_4$ (0 < x < 1, 0 < y < 1) Red Phosphors. <i>Chemistry of Materials</i> , 2013, 25, 4387-4395.	3.9	79
16	Structure and Magnetic Properties of $\text{BiFe}_{0.75}\text{Mn}_{0.25}\text{O}_3$ Perovskite Prepared at Ambient and High Pressure. <i>Chemistry of Materials</i> , 2011, 23, 4505-4514.	3.2	74
17	Revealing pH-Dependent Activities and Surface Instabilities for Ni-Based Electrocatalysts during the Oxygen Evolution Reaction. <i>ACS Energy Letters</i> , 2018, 3, 2884-2890. Bulk Magnetic Order in a Two-Dimensional $\text{xmlns:mml="http://www.w3.org/1998/Math/MathML"}$	8.8	74
18			

#	ARTICLE	IF	CITATIONS
19	Synthesis of MAX Phases in the Zr-Ti-Al-C System. <i>Inorganic Chemistry</i> , 2017, 56, 3489-3498.	1.9	70
20	Insight into the Mechanisms of High Activity and Stability of Iridium Supported on Antimony-Doped Tin Oxide Aerogel for Anodes of Proton Exchange Membrane Water Electrolyzers. <i>ACS Catalysis</i> , 2020, 10, 2508-2516.	5.5	67
21	Synthesis and Properties of Charge-Ordered Thallium Halide Perovskites, CsTl ^{+x} Tl ³⁺ _{0.5} X ₃ (X = F or Cl): Theoretical Precursors for Superconductivity?. <i>Chemistry of Materials</i> , 2013, 25, 4071-4079.	3.2	64
22	KCN Chemical Etch for Interface Engineering in Cu ₂ ZnSnSe ₄ Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14690-14698.	4.0	62
23	Structural Chemistry and Metamagnetism of an Homologous Series of Layered Manganese Oxysulfides. <i>Journal of the American Chemical Society</i> , 2006, 128, 8530-8540.	6.6	58
24	In Situ Electron Diffraction Tomography Using a Liquid-Electrochemical Transmission Electron Microscopy Cell for Crystal Structure Determination of Cathode Materials for Li-Ion batteries. <i>Nano Letters</i> , 2018, 18, 6286-6291.	4.5	54
25	Influence of the Structure on the Properties of Na _x Eu _y (MoO ₄) _z Red Phosphors. <i>Chemistry of Materials</i> , 2014, 26, 3238-3248.	3.2	53
26	Mn ₂ FeWO ₆ : A New Ni ₃ TeO ₆ -Type Polar and Magnetic Oxide. <i>Advanced Materials</i> , 2015, 27, 2177-2181.	11.1	53
27	Interface control by chemical and dimensional matching in an oxide heterostructure. <i>Nature Chemistry</i> , 2016, 8, 347-353.	6.6	53
28	Crystallographic Shear Structures as a Route to Anion-Deficient Perovskites. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6697-6700.	7.2	52
29	Solving the Structure of Li Ion Battery Materials with Precession Electron Diffraction: Application to Li ₂ CoPO ₄ F. <i>Chemistry of Materials</i> , 2011, 23, 3540-3545.	3.2	52
30	Cation Ordering and Flexibility of the BO ₄ ²⁻ Tetrahedra in Incommensurately Modulated CaEu ₂ (BO ₄) ₄ (B = Mo, W) Scheelites. <i>Inorganic Chemistry</i> , 2014, 53, 9407-9415.	1.9	49
31	Switching between solid solution and two-phase regimes in the Li _{1-x} Fe _{1-y} MnyPO ₄ cathode materials during lithium (de)insertion: combined PITT, in situ XRPD and electron diffraction tomography study. <i>Electrochimica Acta</i> , 2016, 191, 149-157.	2.6	48
32	Synthesis and Characterization of Double Solid Solution (Zr,Ti) ₂ (Al,Sn)C MAX Phase Ceramics. <i>Inorganic Chemistry</i> , 2019, 58, 6669-6683.	1.9	45
33	Compositionally induced phase transition in the Ca ₂ MnGa _{1-x} Al _x O ₅ solid solutions: Ordering of tetrahedral chains in brownmillerite structure. <i>Solid State Sciences</i> , 2005, 7, 801-811.	1.5	44
34	Synthesis and crystal structure of the Sr ₂ Al _{1.07} Mn _{0.93} O ₅ brownmillerite. <i>Journal of Materials Chemistry</i> , 2007, 17, 692-698.	6.7	42
35	Mn(II) in an Extended Oxide: The Synthesis and Characterization of La _x Ca _x MnO _{2+δ} (0.6 ≤ x ≤ 1). <i>Journal of the American Chemical Society</i> , 2011, 133, 18397-18405.	6.6	40
36	Antiferroelectric properties and site occupations of R ³⁺ cations in Ca ₈ MgR(PO ₄) ₇ luminescent host materials. <i>Journal of Alloys and Compounds</i> , 2017, 699, 928-937.	2.8	40

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37	Coupled Cation and Charge Ordering in the CaMn ₃ O ₆ Tunnel Structure. Chemistry of Materials, 2006, 18, 5530-5536.	3.2	39
38	Chemistry and Structure of Anion-Deficient Perovskites with Translational Interfaces. Journal of the American Ceramic Society, 2008, 91, 1807-1813.	1.9	39
39	Study of Hydrogen Peroxide Reactions on Manganese Oxides as a Tool To Decode the Oxygen Reduction Reaction Mechanism. ChemElectroChem, 2016, 3, 1667-1677.	1.7	39
40	A novel red Ca _{8.5} Pb _{0.5} Eu(PO ₄) ₇ phosphor for light emitting diodes application. Journal of Alloys and Compounds, 2015, 647, 965-972.	2.8	38
41	New Class of Single-Source Precursors for the Synthesis of Main Group-Transition Metal Oxides: Heterobimetallic Pb-Mn Diketonates. Inorganic Chemistry, 2009, 48, 8480-8488.	1.9	37
42	Indifference of Superconductivity and Magnetism to Size-Mismatched Cations in the Layered Iron Arsenides Ba _{1-x} Na _x Fe ₂ As ₂ . Chemistry of Materials, 2010, 22, 4304-4311.	3.2	36
43	Pressure-Collapsed Amorphous Mg(BH ₄) ₂ : An Ultradense Complex Hydride Showing a Reversible Transition to the Porous Framework. Journal of Physical Chemistry C, 2014, 118, 23402-23408.	1.5	36
44	Surface Passivation of CIGS Solar Cells Using Gallium Oxide. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700826.	0.8	36
45	Ti surface doping of LiNi _{0.5} Mn _{1.5} O ₄ positive electrodes for lithium ion batteries. RSC Advances, 2018, 8, 7287-7300.	1.7	36
46	Synthesis and investigation of novel Mn-based oxyfluoride Sr ₂ Mn ₂ O ₅ F _{1+x} . Solid State Sciences, 2002, 4, 19-22.	1.5	35
47	Local Oxygen-Vacancy Ordering and Twinned Octahedral Tilting Pattern in the Bi _{0.81} Pb _{0.19} FeO _{2.905} Cubic Perovskite. Chemistry of Materials, 2012, 24, 1378-1385.	3.2	35
48	Crystal Structure and Phase Transitions in Sr ₃ WO ₆ . Inorganic Chemistry, 2010, 49, 6058-6065.	1.9	33
49	Antiferroelectric (Pb,Bi) _{1-x} Fe _{1+x} O _{3-y} Perovskites Modulated by Crystallographic Shear Planes. Chemistry of Materials, 2011, 23, 255-265.	3.2	33
50	Relaxor Ferroelectricity and Magnetoelectric Coupling in ZnO-Co Nanocomposite Thin Films: Beyond Multiferroic Composites. ACS Applied Materials & Interfaces, 2014, 6, 4737-4742.	4.0	33
51	Synthesis and Characterization of the Reduced Single-Layer Manganite Sr ₂ MnO _{3.5+x} . Journal of Solid State Chemistry, 2002, 167, 145-151.	1.4	31
52	Topotactic Reduction As a Route to New Close-Packed Anion Deficient Perovskites: Structure and Magnetism of 4H-BaMnO _{2+x} . Journal of the American Chemical Society, 2009, 131, 10598-10604.	6.6	31
53	Sub-ppm H ₂ S sensing by tubular ZnO-Co ₃ O ₄ nanofibers. Sensors and Actuators B: Chemical, 2020, 307, 127624.	4.0	31
54	Novel, Oxygen-Deficient n = 3 RP-Member Sr ₃ NdFe ₃ O _{9-δ} and Its Topotactic Derivatives. Chemistry of Materials, 2004, 16, 1715-1724.	3.2	30

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55	Crystallographic and magnetic characterisation of the brownmillerite Sr ₂ Co ₂ O ₅ . Journal of Solid State Chemistry, 2011, 184, 649-654.	1.4	30
56	Engineered spatial inversion symmetry breaking in an oxide heterostructure built from isosymmetric room-temperature magnetically ordered components. Chemical Science, 2014, 5, 1599-1610.	3.7	30
57	Local structure of perovskite-based $\text{Pb}_2\text{Fe}_2\text{O}_5$. Solid State Sciences, 2008, 10, 382-389.	1.5	29
58	Crystal structure, phase transition, and magnetic ordering in perovskitelike $\text{Pb}_{1-x}\text{Mn}_x\text{O}_2$. Physical Review B, 2008, 78, .	1.1	29
59	Artificial Construction of the Layered Ruddlesden-Popper Manganite $\text{La}_2\text{Sr}_2\text{Mn}_3\text{O}_{10}$ by Reflection High Energy Electron Diffraction Monitored Pulsed Laser Deposition. Journal of the American Chemical Society, 2012, 134, 7700-7714.	6.6	29
60	Factors Influencing the Conductivity of Aqueous Sol(ution)-Gel-Processed Al-Doped ZnO Films. Chemistry of Materials, 2014, 26, 5839-5851.	3.2	29
61	$\text{KEu}(\text{MoO}_4)_2$: Polymorphism, Structures, and Luminescent Properties. Chemistry of Materials, 2015, 27, 5519-5530.	3.2	29
62	New Solid Electrolyte $\text{Na}_9\text{Al}(\text{MoO}_4)_6$: Structure and Na^+ Ion Conductivity. Chemistry of Materials, 2017, 29, 8901-8913.	3.2	29
63	Anion Ordering in Fluorinated La_2CuO_4 . Journal of Solid State Chemistry, 1999, 142, 440-450.	1.4	28
64	Polar and Magnetic Layered A-Site and Rock Salt B-Site-Ordered NaLnFeWO_6 (Ln = La, Nd) Perovskites. Inorganic Chemistry, 2013, 52, 12482-12491.	1.9	28
65	Crystal Structure and Luminescent Properties of $\text{R}_2\text{Eu}(\text{MoO}_4)_3$ (R = Gd, Sm) Red Phosphors. Chemistry of Materials, 2014, 26, 7124-7136.	3.2	28
66	Topochemical Deintercalation of Li from Layered LiNiB: toward 2D MBene. Journal of the American Chemical Society, 2021, 143, 4213-4223.	6.6	28
67	Synthesis and crystal structure of the $\text{Sr}_2\text{MnGa}(\text{O},\text{F})_6$ oxyfluorides. Journal of Solid State Chemistry, 2004, 177, 731-738.	1.4	27
68	Crystal Growth of the Nowotny Chimney Ladder Phase Fe_2Ge_3 : Exploring New Fe-Based Narrow-Gap Semiconductor with Promising Thermoelectric Performance. Chemistry of Materials, 2017, 29, 9954-9963.	3.2	27
69	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in $\text{Pb}_{13}\text{Mn}_9\text{O}_{25}$. Ultramicroscopy, 2010, 110, 881-890.	0.8	26
70	Synthesis and characterization of the reduced double-layer manganite $\text{Sr}_3\text{Mn}_2\text{O}_{6+x}$. Journal of Solid State Chemistry, 2003, 175, 188-196.	1.4	25
71	Crystal Structure and Properties of Ru-Stoichiometric LaSrMnRuO_6 . Chemistry of Materials, 2006, 18, 2611-2617.	3.2	25
72	Cation ordering within the perovskite block of a six-layer Ruddlesden-Popper oxide from layer-by-layer growth "artificial interfaces in complex unit cells. Chemical Science, 2011, 2, 261-272.	3.7	24

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73	Computationally Driven Discovery of a Family of Layered LiNiB Polymorphs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15855-15862.	7.2	24
74	Compatibility of Zr ₂ AlC MAX phase-based ceramics with oxygen-poor, static liquid lead-bismuth eutectic. <i>Corrosion Science</i> , 2020, 171, 108704.	3.0	24
75	Topotactic Oxidative and Reductive Control of the Structures and Properties of Layered Manganese Oxychalcogenides. <i>Journal of the American Chemical Society</i> , 2007, 129, 11192-11201.	6.6	23
76	Slicing the Perovskite Structure with Crystallographic Shear Planes: The AnBnO3n ² Homologous Series. <i>Inorganic Chemistry</i> , 2010, 49, 9508-9516.	1.9	23
77	Illustrated Pentagonal Cairo tattice in the non-collinear antiferromagnet Bi ₄ Fe ₅ O ₁₅	1.1	23
78	SrMn ₃ O ₆ : an incommensurate modulated tunnel structure. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3383-3391.	1.4	22
79	Synthesis, Cation Ordering, and Magnetic Properties of the (Sb _{1-x} Pb _x) ₂ (Mn _{1-y} Sb _y)O ₄ Solid Solutions with the Sb ₂ MnO ₄ -Type Structure. <i>Chemistry of Materials</i> , 2005, 17, 1123-1134.	3.2	22
80	Unit-Cell-Level Assembly of Metastable Transition-Metal Oxides by Pulsed-Laser Deposition. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4539-4542.	7.2	22
81	Fragmentation of an Infinite ZnO ₂ Square Plane into Discrete [ZnO ₂] ₂ ⁻ Linear Units in the Oxyselenide Ba ₂ ZnO ₂ Ag ₂ Se ₂ . <i>Journal of the American Chemical Society</i> , 2008, 130, 14426-14427.	6.6	22
82	Î ² -Na _{1.7} IrO ₃ : A Tridimensional Na-Ion Insertion Material with a Redox Active Oxygen Network. <i>Chemistry of Materials</i> , 2018, 30, 3285-3293.	3.2	22
83	Influence of Mono- and Bimetallic PtOx, PdOx, PtPdOx Clusters on CO Sensing by SnO ₂ Based Gas Sensors. <i>Nanomaterials</i> , 2018, 8, 917.	1.9	22
84	Investigating the effect of sulphurization on volatility of compositions in Cu-poor and Sn-rich CZTS thin films. <i>Applied Surface Science</i> , 2020, 507, 145043.	3.1	22
85	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
86	Mn ₂ O ₃ oxide with bixbyite structure for the electrochemical oxygen reduction reaction in alkaline media: Highly active if properly manipulated. <i>Electrochimica Acta</i> , 2021, 367, 137378.	2.6	21
87	Crystal Structure, Polymorphism, and Properties of the New Vanadyl Phosphate Na ₄ VO(PO ₄) ₂ . <i>Chemistry of Materials</i> , 2004, 16, 1048-1055.	3.2	20
88	Synthesis and structure investigation of the Pb ₃ V(PO ₄) ₃ eulytite. <i>Journal of Solid State Chemistry</i> , 2005, 178, 3715-3721.	1.4	20
89	New lead vanadium phosphate with langbeinite-type structure: Pb _{1.5} V ₂ (PO ₄) ₃ . <i>Materials Research Bulletin</i> , 2005, 40, 1569-1576.	2.7	20
90	Transmission electron microscopy and structural phase transitions in anion-deficient perovskite-based oxides. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, 77-92.	0.3	20

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91	Short-Range Layered A-Site Ordering in Double Perovskites $\text{NaLaBBa}^{2+}\text{O}_6$ (B = Mn, Fe; Ba^{2+} = Nb,) <i>J. Electrochem. Soc.</i> 2019, 166, 074001.	3.2	20
92	Layered-to-Tunnel Structure Transformation and Oxygen Redox Chemistry in LiRhO_2 upon Li Extraction and Insertion. <i>Inorganic Chemistry</i> , 2016, 55, 7079-7089.	1.9	20
93	Antisite Disorder and Bond Valence Compensation in $\text{Li}_2\text{FePO}_4\text{F}$ Cathode for Li-Ion Batteries. <i>Chemistry of Materials</i> , 2016, 28, 7578-7581.	3.2	20
94	p-CoOx/n-SnO2 nanostructures: New highly selective materials for H2S detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 564-571.	4.0	20
95	Tetragonal $\text{Cs}_{1.17}\text{In}_{0.81}\text{Cl}_3$: A Charge-Ordered Indium Halide Perovskite Derivative. <i>Chemistry of Materials</i> , 2019, 31, 1981-1989.	3.2	20
96	La_2MnVO_6 double perovskite: a structural, magnetic and X-ray absorption investigation. <i>Journal of Materials Chemistry</i> , 2009, 19, 4382.	6.7	19
97	Crystal Structure of a Lightweight Borohydride from Submicrometer Crystallites by Precession Electron Diffraction. <i>Chemistry of Materials</i> , 2012, 24, 3401-3405.	3.2	19
98	Magnetic and Structural Studies of the Multifunctional Material $\text{SrFe}_{0.75}\text{Mo}_{0.25}\text{O}_{3\tilde{1}}$. <i>Inorganic Chemistry</i> , 2012, 51, 12273-12280.	1.9	19
99	Properties and thermal stability of solution processed ultrathin, high-k bismuth titanate ($\text{Bi}_2\text{Ti}_2\text{O}_7$) films. <i>Materials Research Bulletin</i> , 2012, 47, 511-517.	2.7	19
100	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
101	Microstructural analysis of 9.7% efficient $\text{Cu}_2\text{ZnSnSe}_4$ thin film solar cells. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	19
102	Ferrimagnetism as a consequence of cation ordering in the perovskite $\text{LaSr}_2\text{Cr}_2\text{SbO}_9$. <i>Journal of Solid State Chemistry</i> , 2017, 248, 96-103.	1.4	19
103	Cobalt location in p-CoOx/n-SnO2 nanocomposites: Correlation with gas sensor performances. <i>Journal of Alloys and Compounds</i> , 2017, 721, 249-260.	2.8	19
104	Recent Advances in Transmission Electron Microscopy for Materials Science at the EMAT Lab of the University of Antwerp. <i>Materials</i> , 2018, 11, 1304.	1.3	19
105	Wide band gap kesterite absorbers for thin film solar cells: potential and challenges for their deployment in tandem devices. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2246-2259.	2.5	19
106	Structural chemistry and magnetic properties of the perovskite $\text{Sr}_3\text{Fe}_2\text{TeO}_9$. <i>Journal of Solid State Chemistry</i> , 2016, 242, 86-95.	1.4	18
107	Sensitivity of nanocrystalline tungsten oxide to CO and ammonia gas determined by surface catalysts. <i>Sensors and Actuators B: Chemical</i> , 2018, 277, 336-346.	4.0	18
108	Mg_1xRhB - a New Boridometallide with 2D Polyanion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 1047-1054.	0.6	17

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109	Layered Perovskite-Like $\text{Pb}_2\text{Fe}_2\text{O}_5$ Structure as a Parent Matrix for the Nucleation and Growth of Crystallographic Shear Planes. <i>Inorganic Chemistry</i> , 2011, 50, 4978-4986.	1.9	17
110	Structures and Magnetism of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.5 < x < 1$) (0.67 at% x) Phases. <i>Chemistry of Materials</i> , 2012, 24, 1486-1495.		17
111	Grain-Boundary Engineering for Aging and Slow-Crack-Growth Resistant Zirconia. <i>Journal of Dental Research</i> , 2017, 96, 774-779.	2.5	17
112	Luminescence Property Upgrading via the Structure and Cation Changing in $\text{Ag}_x\text{Eu}_{(2-x)/3}\text{WO}_4$ and $\text{Ag}_x\text{Gd}_{(2-x)/3}\text{WO}_4$. <i>Chemistry of Materials</i> , 2017, 29, 8811-8823.	3.2	17
113	Effects of Ag Additive in Low Temperature CO Detection with In_2O_3 Based Gas Sensors. <i>Nanomaterials</i> , 2018, 8, 801.	1.9	17
114	The path towards efficient wide band gap thin-film kesterite solar cells with transparent back contact for viable tandem application. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110824.	3.0	17
115	Structural transformation in fluorinated LaACuGaO_5 (A=Ca, Sr) brownmillerites. <i>Solid State Sciences</i> , 2000, 2, 493-502.	0.8	16
116	Ternary Magnesium Rhodium Boride $\text{Mg}_2\text{Rh}_{1-x}\text{B}_{6+2x}$ with a Modified Y_2ReB_6 -Type Crystal Structure. <i>Inorganic Chemistry</i> , 2007, 46, 7378-7386.	1.9	16
117	Synthesis, crystal structure and magnetic properties of the $\text{Sr}_2\text{Al}_0.78\text{Mn}_{1.22}\text{O}_{5.2}$ anion-deficient layered perovskite. <i>Journal of Solid State Chemistry</i> , 2009, 182, 356-363.	1.4	16
118	Anomalous behavior of the electronic structure of $(\text{Tl}, \text{Bi})\text{ETQqO}$ across the quantum phase transition from topological to triv. <i>Physical Review B</i> , 2018, 98, .	1.1	16
119	Crystallographic and magnetic structures of $\text{Y}_{0.8}\text{Sr}_{2.2}\text{Mn}_2\text{GaO}_8$: a new vacancy-ordered perovskite structure. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 87-93.	1.9	15
120	Effect of Lone-Electron-Pair Cations on the Orientation of Crystallographic Shear Planes in Anion-Deficient Perovskites. <i>Inorganic Chemistry</i> , 2013, 52, 10009-10020.	1.9	15
121	The interplay of microstructure and magnetism in $\text{La}_3\text{Ni}_2\text{SbO}_9$. <i>Journal of Solid State Chemistry</i> , 2014, 220, 163-166.	1.4	15
122	Synergy between transmission electron microscopy and powder diffraction: application to modulated structures. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2015, 71, 127-143.	0.5	15
123	Layered Oxychlorides $[\text{PbBiO}_2]_{\text{A}+1}\text{BnO}_3\text{nCl}_2$ (A = Pb/Bi, B = Fe/Ti): Intergrowth of the Hematophanite and Sillen Phases. <i>Chemistry of Materials</i> , 2015, 27, 2946-2956.	3.2	15
124	Co-Rich ZnCoO Nanoparticles Embedded in Wurtzite ZnCoO Thin Films: Possible Origin of Superconductivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22166-22171.	4.0	15
125	Incommensurately Modulated Structures and Luminescence Properties of the $\text{Ag}_x\text{Sm}_{(2-x)/3}\text{WO}_4$ ($x = 0.286, 0.2$) Scheelites as Thermographic Phosphors. <i>Chemistry of Materials</i> , 2018, 30, 4788-4798.	3.2	15
126	Can surface reactivity of mixed crystals be predicted from their counterparts? A case study of $(\text{Bi}_{1-x}\text{Sbx})_2\text{Te}_3$ topological insulators. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8941-8949.	2.7	15

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127	Light-Activated Sub-ppm NO ₂ Detection by Hybrid ZnO/QD Nanomaterials vs. Charge Localization in Core-Shell QD. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	15
128	Atomic and Electronic Structure of a Multidomain GeTe Crystal. <i>ACS Nano</i> , 2020, 14, 16576-16589.	7.3	15
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