

Joke Hadermann

List of Publications by Year in descending order

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292
papers

6,036
citations

100601

38
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145109

60
g-index

335
all docs

335
docs citations

335
times ranked

8635
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural Activation of a Topochemical Reduction Reaction. ACS Organic & Inorganic Au, 2022, 2, 75-82.	1.9	2
2	The crystal and defect structures of polar KBiNb ₂ O ₇ . Dalton Transactions, 2022, 51, 1866-1873.	1.6	0
3	Polytypism in malpeneite: a study of natural and synthetic Cu ₃ TeO ₆ . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 20-32.	0.5	5
4	Chemistry, Local Molybdenum Clustering, and Electrochemistry in the Li _{2+x} MoO ₃ Solid Solutions. Inorganic Chemistry, 2022, 61, 5637-5652.	1.9	4
5	Exploring the Role of Graphene Oxide as a Co-Catalyst in the CZTS Photocathodes for Improved Photoelectrochemical Properties. ACS Applied Energy Materials, 2022, 5, 7538-7549.	2.5	1
6	Polyoxocationic antimony oxide cluster with acidic protons. Science Advances, 2022, 8, .	4.7	5
7	The Influence of Synthesis Method on the Local Structure and Electrochemical Properties of Li-Rich/Mn-Rich NMC Cathode Materials for Li-Ion Batteries. Nanomaterials, 2022, 12, 2269.	1.9	2
8	The path towards efficient wide band gap thin-film kesterite solar cells with transparent back contact for viable tandem application. Solar Energy Materials and Solar Cells, 2021, 219, 110824.	3.0	17
9	Mn ₂ O ₃ oxide with bixbyite structure for the electrochemical oxygen reduction reaction in alkaline media: Highly active if properly manipulated. Electrochimica Acta, 2021, 367, 137378.	2.6	21
10	Structural and magnetic properties of the perovskites A ₂ LaFe ₂ SbO ₉ (A = Ca, Sr, Ba). Journal of Solid State Chemistry, 2021, 295, 121914.	1.4	3
11	Topochemical Deintercalation of Li from Layered LiNiB: toward 2D MBene. Journal of the American Chemical Society, 2021, 143, 4213-4223.	6.6	28
12	Impact of ordering on the reactivity of mixed crystals of topological insulators with anion substitution: Bi ₂ SeTe ₂ and Sb ₂ SeTe ₂ . Applied Surface Science, 2021, 541, 148490.	3.1	0
13	Enhancing the Hydrogen Evolution Properties of Kesterite Absorber by Si Doping in the Surface of CZTS Thin Film. Advanced Materials Interfaces, 2021, 8, 2002124.	1.9	8
14	Antiferromagnetic Order Breaks Inversion Symmetry in a Metallic Double Perovskite, Pb ₂ NiOsO ₆ . Chemistry of Materials, 2021, 33, 4188-4195.	3.2	8
15	The influence of the 6s ² configuration of Bi ³⁺ on the structures of A ²⁺ BiNb ₂ O ₇ (A ²⁺ = Rb, Na, Li) layered perovskite oxides. Dalton Transactions, 2021, 50, 15359-15369.	1.6	3
16	Determination of Spinel Content in Cycled Li _{1.2} Ni _{0.13} Mn _{0.54} Co _{0.13} O ₂ Using Three-Dimensional Electron Diffraction and Precession Electron Diffraction. Symmetry, 2021, 13, 1989.	1.1	1
17	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
18	Investigating the effect of sulphurization on volatility of compositions in Cu-poor and Sn-rich CZTS thin films. Applied Surface Science, 2020, 507, 145043.	3.1	22

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19	Spinel nanoparticles on stick-like Freudenbergitte nanocomposites as effective smart-removal photocatalysts for the degradation of organic pollutants under visible light. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153403.	2.8	14
20	Ambient and High Pressure CuNiSb ₂ : Metal-Ordered and Metal-Disordered NiAs-Type Derivative Pnictides. <i>Inorganic Chemistry</i> , 2020, 59, 14058-14069.	1.9	0
21	Magnetic Ordering in the Layered Cr(II) Oxide Arsenides Sr ₂ CrO ₂ Cr ₂ As ₂ and Ba ₂ CrO ₂ Cr ₂ As ₂ . <i>Inorganic Chemistry</i> , 2020, 59, 15898-15912.	1.9	4
22	Atomic and Electronic Structure of a Multidomain GeTe Crystal. <i>ACS Nano</i> , 2020, 14, 16576-16589.	7.3	15
23	Misfit phase (BiSe) _{1.10} NbSe ₂ as the origin of superconductivity in niobium-doped bismuth selenide. <i>Communications Materials</i> , 2020, 1, .	2.9	10
24	CaLa ₂ FeCoSbO ₉ and ALa ₂ FeNiSbO ₉ (A = Ca, Sr, Ba): cation-ordered, inhomogeneous, ferrimagnetic perovskites. <i>Journal of Solid State Chemistry</i> , 2020, 285, 121226.	1.4	2
25	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
26	An in-depth study of Sn substitution in Li-rich/Mn-rich NMC as a cathode material for Li-ion batteries. <i>Dalton Transactions</i> , 2020, 49, 10486-10497.	1.6	11
27	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
28	Nanoscale photovoltage mapping in CZTSe/Cu _x Se heterostructure by using kelvin probe force microscopy. <i>Materials Research Express</i> , 2020, 7, 016418.	0.8	1
29	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
30	Preparation of the noncentrosymmetric ferrimagnetic phase La _{0.9} Ba _{0.1} Mn _{0.96} O _{2.43} by topochemical reduction. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121356.	1.4	0
31	Tuning the Crystal Structure of A ₂ CoPO ₄ F (A = Li, Na) Fluoride–Phosphates: A New Layered Polymorph of LiNaCoPO ₄ F. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4365-4372.	1.0	7
32	In Situ Electron Diffraction using Liquid-Electrochemical TEM for Monitoring Structural Transformation in Single Crystals Of Cathode Materials for Li-Ion Batteries. <i>Microscopy and Microanalysis</i> , 2019, 25, 1946-1947.	0.2	0
33	Structure solution and refinement of metal-ion battery cathode materials using electron diffraction tomography. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 485-494.	0.5	11
34	Computationally Driven Discovery of a Family of Layered LiNiB Polymorphs. <i>Angewandte Chemie</i> , 2019, 131, 16002-16009.	1.6	5
35	Toward unlocking the Mn ³⁺ /Mn ²⁺ redox pair in alluaudite-type Na ₂ +2Mn ²⁺ (SO ₄) ₃ (SeO ₄) cathodes for sodium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2019, 277, 804-810.	1.4	1
36	Computationally Driven Discovery of a Family of Layered LiNiB Polymorphs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15855-15862.	7.2	24

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37	Exsolution of SrO during the Topochemical Conversion of LaSr ₃ CoRuO ₈ to the Oxyhydride LaSr ₃ CoRuO ₄ H ₄ . <i>Inorganic Chemistry</i> , 2019, 58, 14863-14870.	1.9	7
38	Mechanistic Studies of Gas Reactions with Multicomponent Solids: What Can We Learn By Combining NAP XPS and Atomic Resolution STEM/EDX?. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26201-26210.	1.5	6
39	Interstitial defects in the van der Waals gap of Bi ₂ Se ₃ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 717-732.	0.5	14
40	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
41	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
42	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
43	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
44	(Ba _{0.85} Ca _{0.15})(Ti _{0.9} Zr _{0.1})O ₃ thin films prepared by PLD: Relaxor properties and complex microstructure. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	7
45	Magnetic properties of La ₃ Ni ₂ Sb Ta Nb _{1-x} O ₉ ; from relaxor to spin glass. <i>Journal of Solid State Chemistry</i> , 2019, 273, 175-185.	1.4	4
46	Stabilisation of magnetic ordering in La ₃ Ni _{2-x} Cu _x B _{1-x} O ₉ (B = Sb, Ta, Nb) by the introduction of Cu ²⁺ . <i>Journal of Solid State Chemistry</i> , 2019, 276, 164-172.	1.4	2
47	First-principles study of CO and OH adsorption on in-doped ZnO surfaces. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 132, 172-181.	1.9	8
48	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
49	Effect of Zinc Oxide Modification by Indium Oxide on Microstructure, Adsorbed Surface Species, and Sensitivity to CO. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	13
50	Layered CeSO and LiCeSO Oxide Chalcogenides Obtained via Topotactic Oxidative and Reductive Transformations. <i>Inorganic Chemistry</i> , 2019, 58, 3838-3850.	1.9	8
51	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
52	Influence of annealing conditions on the structure and luminescence properties of KGd _{1-x} Eu _x (MoO ₄) ₂ (0 ≤ x ≤ 1). <i>CrystEngComm</i> , 2019, 21, 6460-6471.		7
53	Introduction to the special issue on electron crystallography. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 462-462.	0.5	2
54	Surface Passivation of CIGS Solar Cells Using Gallium Oxide. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700826.	0.8	36

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55	$\text{Na}_{1.7}\text{IrO}_3$: A Tridimensional Na-Ion Insertion Material with a Redox Active Oxygen Network. <i>Chemistry of Materials</i> , 2018, 30, 3285-3293.	3.2	22
56	Ti surface doping of $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ positive electrodes for lithium ion batteries. <i>RSC Advances</i> , 2018, 8, 7287-7300.	1.7	36
57	Comparative study of the magnetic properties of $\text{La}_3\text{Ni}_2\text{O}_9$ for $\text{B} = \text{Nb, Ta or Sb}$. <i>Journal of Solid State Chemistry</i> , 2018, 258, 825-834.	1.4	9
58	A Chemical Approach to Raise Cell Voltage and Suppress Phase Transition in O3 Sodium Layered Oxide Electrodes. <i>Advanced Energy Materials</i> , 2018, 8, 1702599.	10.2	127
59	High-temperature properties of $(\text{La,Ca})(\text{Fe,Mg,Mo})\text{O}_3$ perovskites as prospective electrode materials for symmetrical SOFC. <i>Journal of Solid State Chemistry</i> , 2018, 258, 1-10.	1.4	7
60	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
61	Small-moment paramagnetism and extensive twinning in the topochemically reduced phase $\text{Sr}_2\text{ReLiO}_5$. <i>Dalton Transactions</i> , 2018, 47, 15783-15790.	1.6	0
62	Influence of Mono- and Bimetallic PtOx, PdOx, PtPdOx Clusters on CO Sensing by SnO2 Based Gas Sensors. <i>Nanomaterials</i> , 2018, 8, 917.	1.9	22
63	Anomalous behavior of the electronic structure of TiO_2 across the quantum phase transition from topological to triv. <i>Physical Review B</i> , 2018, 98, .	1.1	16
64	Effects of Ag Additive in Low Temperature CO Detection with In2O3 Based Gas Sensors. <i>Nanomaterials</i> , 2018, 8, 801.	1.9	17
65	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.	8.8	74
66	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
67	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
68	Ferrimagnetism as a Consequence of Unusual Cation Ordering in the Perovskite $\text{SrLa}_2\text{FeCoSbO}_9$. <i>Inorganic Chemistry</i> , 2018, 57, 7438-7445.	1.9	8
69	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
70	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
71	Can surface reactivity of mixed crystals be predicted from their counterparts? A case study of $(\text{Bi}_{1-x}\text{Sb}_x)_2\text{Te}_3$ topological insulators. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8941-8949.	2.7	15
72	Role of graphene inter layer on the formation of the MoS2-CZTS interface during growth. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	10

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73	Complex Magnetic Ordering in the Oxide Selenide $\text{Sr}_2\text{Fe}_3\text{Se}_2\text{O}_3$. Inorganic Chemistry, 2018, 57, 10312-10322.	1.9	5
74	Effect of Bimetallic Pd/Pt Clusters on the Sensing Properties of Nanocrystalline SnO ₂ in the Detection of CO. Russian Journal of Inorganic Chemistry, 2018, 63, 1007-1011.	0.3	8
75	Nanoscale Characterization of Growth of Secondary Phases in Off-Stoichiometric CZTS Thin Films. Journal of Nanoscience and Nanotechnology, 2018, 18, 1688-1695.	0.9	1
76	Application of advanced transmission electron microscopy techniques to structure solution and refinement of complex inorganic materials. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e4-e4.	0.0	0
77	Aperiodic structures and luminescent properties in the scheelite family. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e94-e94.	0.0	2
78	Effect of cation vacancies on the crystal structure and luminescent properties of $\text{Ca}_{0.85-1.5x}\text{Gd}_x\text{Eu}_{0.1-0.05+0.5x}\text{WO}_4$ (0 ≤ x ≤ 0.567) scheelite-based red phosphors. Journal of Alloys and Compounds, 2017, 706, 358-369.	2.8	5
79	Grain-Boundary Engineering for Aging and Slow-Crack-Growth Resistant Zirconia. Journal of Dental Research, 2017, 96, 774-779.	2.5	17
80	Ferrimagnetism as a consequence of cation ordering in the perovskite $\text{LaSr}_2\text{Cr}_2\text{SbO}_9$. Journal of Solid State Chemistry, 2017, 248, 96-103.	1.4	19
81	Synthesis of MAX Phases in the Zr-Ti-Al-C System. Inorganic Chemistry, 2017, 56, 3489-3498.	1.9	70
82	Crystal Growth and Structure Analysis of $\text{Ce}_{18}\text{W}_{10}\text{O}_{57}$: A Complex Oxide Containing Tungsten in an Unusual Trigonal Prismatic Coordination Environment. Inorganic Chemistry, 2017, 56, 2566-2575.	1.9	11
83	Interplay of structural chemistry and magnetism in perovskites; A study of $\text{CaLn}_2\text{Ni}_2\text{WO}_9$; Ln = La, Pr, Nd. Journal of Solid State Chemistry, 2017, 251, 224-232.	1.4	6
84	P ⁿ Junction Passivation in Kesterite Solar Cells by Use of Solution-Processed TiO ₂ Layer. IEEE Journal of Photovoltaics, 2017, 7, 1130-1135.	1.5	11
85	Crystal structure study of manganese and titanium substituted $\text{BaLaFe}_2\text{O}_6$. Journal of Solid State Chemistry, 2017, 251, 186-193.	1.4	1
86	Crystal Structure, Defects, Magnetic and Dielectric Properties of the Layered $\text{Bi}_3\text{n+1Ti}_7\text{Fe}_3\text{n+1}$ Perovskite-Anatase Intergrowths. Inorganic Chemistry, 2017, 56, 931-942.	1.9	5
87	Antiferroelectric properties and site occupations of R ³⁺ cations in $\text{Ca}_8\text{MgR}(\text{PO}_4)_7$ luminescent host materials. Journal of Alloys and Compounds, 2017, 699, 928-937.	2.8	40
88	Observation of hidden atomic order at the interface between Fe and topological insulator Bi_2Te_3 . Physical Chemistry Chemical Physics, 2017, 19, 30520-30532.	1.3	8
89	Luminescence Property Upgrading via the Structure and Cation Changing in $\text{Ag}_x\text{Eu}_{(2-x)/3}\text{WO}_4$ and $\text{Ag}_x\text{Gd}_{(2-x)/3}\text{Eu}_{0.3}\text{WO}_4$. Chemistry of Materials, 2017, 29, 8811-8823.	3.2	17
90	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

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91	Magnetic properties of the 6H perovskite Ba ₃ Fe ₂ TeO ₉ . Journal of Solid State Chemistry, 2017, 253, 347-354.	1.4	8
92	Crystal Growth of the Nowotny Chimney Ladder Phase Fe ₂ Ge ₃ : Exploring New Fe-Based Narrow-Gap Semiconductor with Promising Thermoelectric Performance. Chemistry of Materials, 2017, 29, 9954-9963.	3.2	27
93	Evidence of tetragonal distortion as the origin of the ferromagnetic ground state in $\hat{I}^{3\hat{a}}$ Fe nanoparticles. Physical Review B, 2017, 96, .	1.1	1
94	Cobalt location in p-CoOx/n-SnO ₂ nanocomposites: Correlation with gas sensor performances. Journal of Alloys and Compounds, 2017, 721, 249-260.	2.8	19
95	Achieving independent control of core diameter and carbon shell thickness in Pd-C core-shell nanoparticles by gas phase synthesis. Nanotechnology, 2017, 28, 295603.	1.3	4
96	Solar cell structure at micro- and nanoscale through TEM. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C1424-C1424.	0.0	0
97	<i>In-Situ</i> Liquid/Bias Transmission Electron Microscopy to Visualize the Electrochemical Lithiation/Delithiation Behaviors of LiFe _{0.5} Mn _{0.5} PO ₄ . Microscopy and Microanalysis, 2016, 22, 24-25.	0.2	4
98	Layered-to-Tunnel Structure Transformation and Oxygen Redox Chemistry in LiRhO ₂ upon Li Extraction and Insertion. Inorganic Chemistry, 2016, 55, 7079-7089.	1.9	20
99	Structural chemistry and magnetic properties of the perovskite Sr ₃ Fe ₂ TeO ₉ . Journal of Solid State Chemistry, 2016, 242, 86-95.	1.4	18
100	Gaining new insight into low-temperature aqueous photochemical solution deposited ferroelectric PbTiO ₃ films. Materials Chemistry and Physics, 2016, 174, 28-40.	2.0	5
101	Strength, toughness and aging stability of highly-translucent Y-TZP ceramics for dental restorations. Dental Materials, 2016, 32, e327-e337.	1.6	260
102	Ba ₃ (Cr _{0.97} (1)Te _{0.03} (1)) ₂ TeO ₉ : in Search of Jahn-Teller Distorted Cr(II) Oxide. Inorganic Chemistry, 2016, 55, 10135-10142.	1.9	8
103	Complex Microstructure and Magnetism in Polymorphic CaFeSeO. Inorganic Chemistry, 2016, 55, 10714-10726.	1.9	11
104	Structural chemistry and magnetic properties of the perovskite SrLa ₂ Ni ₂ TeO ₉ . Journal of Solid State Chemistry, 2016, 243, 304-311.	1.4	10
105	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
106	Antisite Disorder and Bond Valence Compensation in Li ₂ FePO ₄ F Cathode for Li-Ion Batteries. Chemistry of Materials, 2016, 28, 7578-7581.	3.2	20
107	Effect of cation dopant radius on the hydrothermal stability of tetragonal zirconia: Grain boundary segregation and oxygen vacancy annihilation. Acta Materialia, 2016, 106, 48-58.	3.8	85
108	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. Electrochimica Acta, 2016, 191, 149-157.	2.6	48

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109	A pseudo-tetragonal tungsten bronze superstructure: a combined solution of the crystal structure of $K_{6.4}(Nb,Ta)_{36.3}O_{94}$ with advanced transmission electron microscopy and neutron diffraction. Dalton Transactions, 2016, 45, 973-979.	1.6	11
110	Interface control by chemical and dimensional matching in an oxide heterostructure. Nature Chemistry, 2016, 8, 347-353.	6.6	53
111	Synthesis, structure and electrochemical properties of $LiNaCo_0.5Fe_0.5PO_4F$ fluoride-phosphate. Journal of Solid State Chemistry, 2016, 242, 70-77.	1.4	5
112	$AVPO_4F$ (A = Li, K): A 4 V Cathode Material for High-Power Rechargeable Batteries. Chemistry of Materials, 2016, 28, 411-415.	3.2	117
113	$Bi_{3+n}Ti_{7-n}Fe_{3-n}O_{9+n+11}$ Homologous Series: Slicing Perovskite Structure with Planar Interfaces Containing Anatase-like Chains. Inorganic Chemistry, 2016, 55, 1245-1257.	1.9	7
114	Complementarity of TEM to bulk diffraction techniques for structures at nanoscale. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s146-s146.	0.0	0
115	Soft chemical control of the crystal and magnetic structure of a layered mixed valent manganite oxide sulfide. APL Materials, 2015, 3, .	2.2	10
116	Trapping of Oxygen Vacancies at Crystallographic Shear Planes in Acceptor-Doped Pb-Based Ferroelectrics. Angewandte Chemie - International Edition, 2015, 54, 14787-14790.	7.2	7
117	Giant Magnetoresistance in the Half-Metallic Double-Perovskite Ferrimagnet Mn_2FeReO_6 . Angewandte Chemie - International Edition, 2015, 54, 12069-12073.	7.2	100
118	Increasing the Solubility Limit for Tetrahedral Aluminium in ZnO:Al Nanorods by Variation in Synthesis Parameters. Journal of Nanomaterials, 2015, 2015, 1-8.	1.5	7
119	KCN Chemical Etch for Interface Engineering in $Cu_2ZnSnSe_4$ Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 14690-14698.	4.0	62
120	Process variability in $Cu_2ZnSnSe_4$ solar cell devices: Electrical and structural investigations. , 2015, , .		1
121	Highly-translucent, strong and aging-resistant 3Y-TZP ceramics for dental restoration by grain boundary segregation. Acta Biomaterialia, 2015, 16, 215-222.	4.1	117
122	{110}-Layered B-cation ordering in the anion-deficient perovskite $Pb_{2.4}Ba_{2.6}Fe_2Sc_2TiO_{13}$ with the crystallographic shear structure. Dalton Transactions, 2015, 44, 10753-10762.	1.6	2
123	Mn_2FeWO_6 : A New Ni_3TeO_6 -Type Polar and Magnetic Oxide. Advanced Materials, 2015, 27, 2177-2181.	11.1	53
124	Synergy between transmission electron microscopy and powder diffraction: application to modulated structures. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2015, 71, 127-143.	0.5	15
125	Effect of selenium content of $CuInSex$ alloy nanopowder precursors on recrystallization of printed $CuInSe_2$ absorber layers during selenization heat treatment. Thin Solid Films, 2015, 582, 11-17.	0.8	9
126	Layered Oxychlorides $[PbBiO_2]_{An+1}BnO_3nCl_2$ (A = Pb/Bi, B = Fe/Ti): Intergrowth of the Hematophanite and Sillen Phases. Chemistry of Materials, 2015, 27, 2946-2956.	3.2	15

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127	Effect of the burn-out step on the microstructure of the solution-processed Cu(In,Ga)Se ₂ solar cells. <i>Thin Solid Films</i> , 2015, 583, 142-150.	0.8	4
128	A novel red Ca _{8.5} Pb _{0.5} Eu(PO ₄) ₇ phosphor for light emitting diodes application. <i>Journal of Alloys and Compounds</i> , 2015, 647, 965-972.	2.8	38
129	Co-Rich ZnCoO Nanoparticles Embedded in Wurtzite Zn _{1-x} Co _x O Thin Films: Possible Origin of Superconductivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22166-22171.	4.0	15
130	KEu(MoO ₄) ₂ : Polymorphism, Structures, and Luminescent Properties. <i>Chemistry of Materials</i> , 2015, 27, 5519-5530.	3.2	29
131	Hole Doping and Structural Transformation in CsTl _{1-x} Hg _x Cl ₃ . <i>Inorganic Chemistry</i> , 2015, 54, 1066-1075.	1.9	10
132	Critical influence of alumina content on the low temperature degradation of 2 mol% yttria-stabilized TZP for dental restorations. <i>Journal of the European Ceramic Society</i> , 2015, 35, 741-750.	2.8	84
133	The interplay of microstructure and magnetism in La ₃ Ni ₂ SbO ₉ . <i>Journal of Solid State Chemistry</i> , 2014, 220, 163-166.	1.4	15
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