

Artem M Abakumov

List of Publications by Year in descending order

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349
papers

13,251
citations

31902

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98
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docs citations

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times ranked

14595
citing authors

#	ARTICLE	IF	CITATIONS
1	Water electrolysis on $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ perovskite electrocatalysts. <i>Nature Communications</i> , 2016, 7, 11053.	5.8	800
2	Origin of voltage decay in high-capacity layered oxide electrodes. <i>Nature Materials</i> , 2015, 14, 230-238.	13.3	757
3	Visualization of O-O peroxy-like dimers in high-capacity layered oxides for Li-ion batteries. <i>Science</i> , 2015, 350, 1516-1521.	6.0	659
4	Oxidation state and chemical shift investigation in transition metal oxides by EELS. <i>Ultramicroscopy</i> , 2012, 116, 24-33.	0.8	445
5	Evidence for anionic redox activity in a tridimensional-ordered Li-rich positive electrode Li_2IrO_3 . <i>Nature Materials</i> , 2017, 16, 580-586.	13.3	290
6	Implementation of micro-ball nanodiamond anvils for high-pressure studies above 6 GPa. <i>Nature Communications</i> , 2012, 3, 1163.	5.8	239
7	Insertion compounds and composites made by ball milling for advanced sodium-ion batteries. <i>Nature Communications</i> , 2016, 7, 10308.	5.8	198
8	Discovery of a Superhard Iron Tetraboride Superconductor. <i>Physical Review Letters</i> , 2013, 111, 157002.	2.9	192
9	Anionic Redox Activity in a Newly Zn-Doped Sodium Layered Oxide $\text{P}_2\text{Na}_{2/3}\text{Mn}_{1-x}\text{Zn}_x\text{O}_2$ (0 < x < 1). <i>Chemistry of Materials</i> , 2017, 29, 1107-1113.	11.0	7843
10	Structural Evolution of the BiFeO_3 - LaFeO_3 System. <i>Chemistry of Materials</i> , 2011, 23, 285-292.	3.2	162
11	Terapascal static pressure generation with ultrahigh yield strength nanodiamond. <i>Science Advances</i> , 2016, 2, e1600341.	4.7	161
12	Exceptional electrocatalytic oxygen evolution via tunable charge transfer interactions in $\text{La}_{0.5}\text{Sr}_{1.5}\text{Ni}_x\text{Fe}_{4-x}\text{O}_{10}$ Ruddlesden-Popper oxides. <i>Nature Communications</i> , 2018, 9, 3150.	5.8	161
13	Understanding the Roles of Anionic Redox and Oxygen Release during Electrochemical Cycling of Lithium-Rich Layered $\text{Li}_4\text{FeSbO}_6$. <i>Journal of the American Chemical Society</i> , 2015, 137, 4804-4814.	6.6	155
14	Unlocking anionic redox activity in O ₃ -type sodium 3d layered oxides via Li substitution. <i>Nature Materials</i> , 2021, 20, 353-361.	13.3	155
15	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
16	Strong Oxygen Participation in the Redox Governing the Structural and Electrochemical Properties of Na-Rich Layered Oxide Na_2IrO_3 . <i>Chemistry of Materials</i> , 2016, 28, 8278-8288.	3.2	132
17	Solid state chemistry for developing better metal-ion batteries. <i>Nature Communications</i> , 2020, 11, 4976.	5.8	125
18	Exploring the bottlenecks of anionic redox in Li-rich layered sulfides. <i>Nature Energy</i> , 2019, 4, 977-987.	19.8	123

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19	Reaching the Energy Density Limit of Layered $\text{O}_3\text{NaNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ Electrodes via Dual Cu and Ti Substitution. <i>Advanced Energy Materials</i> , 2019, 9, 1901785.	10.2	122
20	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
21	Synthesis of Li-Rich NMC: A Comprehensive Study. <i>Chemistry of Materials</i> , 2017, 29, 9923-9936.	3.2	111
22	VEGF-targeted magnetic nanoparticles for MRI visualization of brain tumor. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 825-833.	1.7	101
23	Enhanced Electrocatalytic Activities by Substitutional Tuning of Nickel-Based Ruddlesden-Popper Catalysts for the Oxidation of Urea and Small Alcohols. <i>ACS Catalysis</i> , 2019, 9, 2664-2673.	5.5	99
24	Rationalizing the Influence of the Mn(IV)/Mn(III) Red-Ox Transition on the Electrocatalytic Activity of Manganese Oxides in the Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2016, 187, 161-172.	2.6	97
25	Perovskite-like Mn_2O_3 : A Path to New Manganites. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1494-1498.	7.2	96
26	Degradation Process of Lead Chromate in Paintings by Vincent van Gogh Studied by Means of Spectromicroscopic Methods. 3. Synthesis, Characterization, and Detection of Different Crystal Forms of the Chrome Yellow Pigment. <i>Analytical Chemistry</i> , 2013, 85, 851-859.	3.2	92
27	Structural evolution at the oxidative and reductive limits in the first electrochemical cycle of $\text{Li}_{1.2}\text{Ni}_{0.13}\text{Mn}_{0.54}\text{Co}_{0.13}\text{O}_2$. <i>Nature Communications</i> , 2020, 11, 1252.	5.8	89
28	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
29	Enhancing Na^{+} Extraction Limit through High Voltage Activation of the NASICON-Type $\text{Na}_4\text{MnV}(\text{PO}_4)_3$ Cathode. <i>ACS Applied Energy Materials</i> , 2018, 1, 5842-5846.	2.5	87
30	Chemistry and structure of Hg-based superconducting Cu mixed oxides. <i>Superconductor Science and Technology</i> , 2002, 15, R31-R49.	1.8	86
31	Titanium-based potassium-ion battery positive electrode with extraordinarily high redox potential. <i>Nature Communications</i> , 2020, 11, 1484.	5.8	86
32	Energy transfer in Eu^{3+} doped scheelites: use as thermographic phosphor. <i>Optics Express</i> , 2014, 22, A961.	1.7	84
33	Design of new electrode materials for Li-ion and Na-ion batteries from the bloedite mineral $\text{Na}_2\text{Mg}(\text{SO}_4)_2 \cdot 4\text{H}_2\text{O}$. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2671-2680.	5.2	80
34	Incommensurate Modulation and Luminescence in the $\text{CaGd}_2(\text{X})_2\text{Eu}_2(\text{MoO}_4)_4(\text{WO}_4)_4$ ($0 \leq x \leq 1, 0 \leq y \leq 1$) Red Phosphors. <i>Chemistry of Materials</i> , 2013, 25, 4387-4395.	3.2	79
35	Cation insertion to break the activity/stability relationship for highly active oxygen evolution reaction catalyst. <i>Nature Communications</i> , 2020, 11, 1378.	5.8	79
36	Correlating ligand-to-metal charge transfer with voltage hysteresis in a Li-rich rock-salt compound exhibiting anionic redox. <i>Nature Chemistry</i> , 2021, 13, 1070-1080.	6.6	75

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37	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
38	Nanocrystalline $\text{ZnO}(\text{Ga})$: Paramagnetic centers, surface acidity and gas sensor properties. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 555-564.	4.0	74
39	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
40	The Role of Divalent ($\text{Zn}^{2+}/\text{Mg}^{2+}/\text{Cu}^{2+}$) Substituents in Achieving Full Capacity of Sodium Layered Oxides for Na-ion Battery Applications. <i>Chemistry of Materials</i> , 2020, 32, 1657-1666.	3.2	74
41	A Polar Corundum Oxide Displaying Weak Ferromagnetism at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 3737-3747.	6.6	73
42	Preparation, Structure, and Electrochemistry of Layered Polyanionic Hydroxysulfates: LiMSO_4OH ($\text{M} = \text{Fe}, \text{Co}, \text{Mn}$) Electrodes for Li-ion Batteries. <i>Journal of the American Chemical Society</i> , 2013, 135, 3653-3661.	6.6	72
43	Direct Observation of Ferroelectric Domain Walls in LiNbO_3 : Wall Meanders, Kinks, and Local Electric Charges. <i>Advanced Functional Materials</i> , 2016, 26, 7599-7604.	7.8	72
44	Visible light activated room temperature gas sensors based on nanocrystalline ZnO sensitized with CdSe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2014, 205, 305-312.	4.0	68
45	Revealing the Reactivity of the Iridium Trioxide Intermediate for the Oxygen Evolution Reaction in Acidic Media. <i>Chemistry of Materials</i> , 2019, 31, 5845-5855.	3.2	67
46	Using electron vortex beams to determine chirality of crystals in transmission electron microscopy. <i>Physical Review B</i> , 2015, 91, .	1.1	62
47	Core-shell corona doxorubicin-loaded superparamagnetic Fe_3O_4 nanoparticles for cancer theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1073-1080.	2.5	59
48	Direct Observation of Luminescent Silver Clusters Confined in Faujasite Zeolites. <i>ACS Nano</i> , 2016, 10, 7604-7611.	7.3	58
49	Effect of the electrode/electrolyte interface structure on the potassium-ion diffusional and charge transfer rates: towards a high voltage potassium-ion battery. <i>Electrochimica Acta</i> , 2017, 258, 814-824.	2.6	58
50	Solid-electrolyte interphase nucleation and growth on carbonaceous negative electrodes for Li-ion batteries visualized with in situ atomic force microscopy. <i>Scientific Reports</i> , 2020, 10, 8550.	1.6	57
51	Multiple Twinning As a Structure Directing Mechanism in Layered Rock-Salt-Type Oxides: NaMnO_2 Polymorphism, Redox Potentials, and Magnetism. <i>Chemistry of Materials</i> , 2014, 26, 3306-3315.	3.2	56
52	Synthesis, Crystal Structure, and Magnetic Properties of a Novel Layered Manganese Oxide $\text{Sr}_2\text{MnGaO}_5$. <i>Journal of Solid State Chemistry</i> , 2001, 160, 353-361.	1.4	54
53	UV effect on NO_2 sensing properties of nanocrystalline In_2O_3 . <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 491-496.	4.0	54
54	Charge-ordering transition in iron oxide Fe_4O_5 involving competing dimer and trimer formation. <i>Nature Chemistry</i> , 2016, 8, 501-508.	6.6	54

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55	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
56	Peierls distortion, magnetism, and high hardness of manganese tetraboride. <i>Physical Review B</i> , 2014, 89, .	1.1	53
57	Visible light activation of room temperature NO ₂ gas sensors based on ZnO, SnO ₂ and In ₂ O ₃ sensitized with CdSe quantum dots. <i>Thin Solid Films</i> , 2016, 618, 253-262.	0.8	53
58	Interface control by chemical and dimensional matching in an oxide heterostructure. <i>Nature Chemistry</i> , 2016, 8, 347-353.	6.6	53
59	Crystallographic Shear Structures as a Route to Anion-Deficient Perovskites. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6697-6700.	7.2	52
60	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
61	Conduction Band Control of Oxyhalides with a Triple-Fluorite Layer for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 2491-2499.	6.6	52
62	The Crystal Structure of Ba ₈ Ta ₆ NiO ₂₄ : Cation Ordering in Hexagonal Perovskites. <i>Journal of Solid State Chemistry</i> , 1996, 125, 102-107.	1.4	51
63	Synthesis and Crystal Structure of Novel Layered Manganese Oxide Ca ₂ MnGaO ₅ + $\frac{1}{2}$. <i>Journal of Solid State Chemistry</i> , 2001, 158, 100-111.	1.4	51
64	First Example of Protonation of Ruddlesden-Popper Sr ₂ IrO ₄ : A Route to Enhanced Water Oxidation Catalysts. <i>Chemistry of Materials</i> , 2020, 32, 3499-3509.	3.2	51
65	Structural and magnetic properties of the colossal magnetoresistance perovskite La _{0.85} Ca _{0.15} MnO ₃ . <i>Physical Review B</i> , 2000, 61, 8941-8949.	1.1	49
66	Understanding and Promoting the Rapid Preparation of the <i>Triplite</i> -Phase of LiFeSO ₄ F for Use as a Large-Potential Fe Cathode. <i>Journal of the American Chemical Society</i> , 2012, 134, 18380-18387.	6.6	49
67	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
68	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
69	Reversible Li-Intercalation through Oxygen Reactivity in Li-Rich Li-Fe-Te Oxide Materials. <i>Journal of the Electrochemical Society</i> , 2015, 162, A1341-A1351.	1.3	47
70	Topochemical Nitridation with Anion Vacancy-Assisted N ³⁻ /O ²⁻ Exchange. <i>Journal of the American Chemical Society</i> , 2016, 138, 3211-3217.	6.6	47
71	Ordering of tetrahedral chains in the Sr ₂ MnGaO ₅ brownmillerite. <i>Journal of Solid State Chemistry</i> , 2003, 174, 319-328.	1.4	45
72	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

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73	A Hard Oxide Semiconductor with A Direct and Narrow Bandgap and Switchable p-n Electrical Conduction. <i>Advanced Materials</i> , 2014, 26, 8185-8191.	11.1	44
74	Effect of Concentrated Diglyme-Based Electrolytes on the Electrochemical Performance of Potassium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 6051-6059.	2.5	44
75	A New Mixed-Valence Ferrite with a Cubic Structure, YBaFe_4O_7 : Spin-Glass-Like Behavior. <i>Chemistry of Materials</i> , 2009, 21, 1116-1122.	3.2	43
76	Synthesis and crystal structure of the $\text{Sr}_2\text{Al}_{1.07}\text{Mn}_{0.93}\text{O}_5$ brownmillerite. <i>Journal of Materials Chemistry</i> , 2007, 17, 692-698.	6.7	42
77	Bifunctional OER/ORR catalytic activity in the tetrahedral $\text{YBaCo}_4\text{O}_{7.3}$ oxide. <i>Journal of Materials Chemistry A</i> , 2019, 7, 330-341.	5.2	42
78	Inducing superconductivity and structural transformations by fluorination of reduced YBCO. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 280, 272-280.	0.6	41
79	Frustrated Octahedral Tilting Distortion in the Incommensurately Modulated $\text{Li}_3\text{xNd}_{2/3}\text{xTiO}_3$ Perovskites. <i>Chemistry of Materials</i> , 2013, 25, 2670-2683.	3.2	41
80	Oxygen exchange on nanocrystalline tin dioxide modified by palladium. <i>Journal of Solid State Chemistry</i> , 2012, 186, 1-8.	1.4	40
81	Novel Complex Stacking of Fully-Ordered Transition Metal Layers in $\text{Li}_4\text{FeSbO}_6$ Materials. <i>Chemistry of Materials</i> , 2015, 27, 1699-1708.	3.2	40
82	Oxidation potential in the Earth's lower mantle as recorded by ferropericlase inclusions in diamond. <i>Earth and Planetary Science Letters</i> , 2015, 417, 49-56.	1.8	40
83	Role of the Carbon Support on the Oxygen Reduction and Evolution Activities in LaNiO_3 Composite Electrodes in Alkaline Solution. <i>ACS Applied Energy Materials</i> , 2018, 1, 1549-1558.	2.5	40
84	Coupled Cation and Charge Ordering in the CaMn_3O_6 Tunnel Structure. <i>Chemistry of Materials</i> , 2006, 18, 5530-5536.	3.2	39
85	Chemistry and Structure of Anion-Deficient Perovskites with Translational Interfaces. <i>Journal of the American Ceramic Society</i> , 2008, 91, 1807-1813.	1.9	39
86	Fluorinated Heterometallic $\hat{\text{I}}^2$ -Diketonates as Volatile Single-Source Precursors for the Synthesis of Low-Valent Mixed-Metal Fluorides. <i>Journal of the American Chemical Society</i> , 2011, 133, 692-694.	6.6	39
87	Study of Hydrogen Peroxide Reactions on Manganese Oxides as a Tool To Decode the Oxygen Reduction Reaction Mechanism. <i>ChemElectroChem</i> , 2016, 3, 1667-1677.	1.7	39
88	Effect of Fluorination on the Structure and Superconducting Properties of the Hg-1201 Phase. <i>Physical Review Letters</i> , 1998, 80, 385-388.	2.9	38
89	Target-Aimed Synthesis of Anion-Deficient Perovskites. <i>Inorganic Chemistry</i> , 2008, 47, 8543-8552.	1.9	38
90	Spin-induced multiferroicity in the binary perovskite manganite Mn_2O_3 . <i>Nature Communications</i> , 2018, 9, 2996.	5.8	38

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91	New Class of Single-Source Precursors for the Synthesis of Main Group ^d Transition Metal Oxides: Heterobimetallic Pb ^a Mn ^b I ² -Diketonates. <i>Inorganic Chemistry</i> , 2009, 48, 8480-8488.	1.9	37
92	Crystal Structure and Li-Ion Transport in Li ₂ CoPO ₄ F High-Voltage Cathode Material for Li-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3194-3202.	1.5	37
93	Preparation, Structure, and Magnetic Studies of a New Sr ₁₁ Re ₄ O ₂₄ Double Oxide. <i>Journal of Solid State Chemistry</i> , 2000, 149, 49-55.	1.4	36
94	Frustrated square lattice with spatial anisotropy: Crystal structure and magnetic properties of PbZnVO . <i>Physical Review B</i> , 2010, 81, .	1.1	36
95	Pressure-Collapsed Amorphous Mg(BH ₄) ₂ : An Ultradense Complex Hydride Showing a Reversible Transition to the Porous Framework. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23402-23408.	1.5	36
96	Structural, electrochemical and magnetic properties of a novel KFeSO ₄ F polymorph. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19754-19764.	5.2	36
97	Ti surface doping of LiNi _{0.5} Mn _{1.5} O ₄ positive electrodes for lithium ion batteries. <i>RSC Advances</i> , 2018, 8, 7287-7300.	1.7	36
98	Local Oxygen-Vacancy Ordering and Twinned Octahedral Tilting Pattern in the Bi _{0.81} Pb _{0.19} FeO _{2.905} Cubic Perovskite. <i>Chemistry of Materials</i> , 2012, 24, 1378-1385.	3.2	35
99	Development of vanadium-based polyanion positive electrode active materials for high-voltage sodium-based batteries. <i>Nature Communications</i> , 2022, 13, .	5.8	35
100	Room Temperature Magnetically Ordered Polar Corundum GaFeO ₃ Displaying Magnetoelectric Coupling. <i>Journal of the American Chemical Society</i> , 2017, 139, 1520-1531.	6.6	34
101	The Role of Semilabile Oxygen Atoms for Intercalation Chemistry of the Metal-Ion Battery Polyanion Cathodes. <i>Journal of the American Chemical Society</i> , 2018, 140, 3994-4003.	6.6	34
102	Reversible facile Rb ⁺ and K ⁺ ions de/insertion in a KTiOPO ₄ -type RbVPO ₄ F cathode material. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14420-14430.	5.2	34
103	Capturing dynamic ligand-to-metal charge transfer with a long-lived cationic intermediate for anionic redox. <i>Nature Materials</i> , 2022, 21, 1165-1174.	13.3	34
104	Structural Studies on New Ternary Oxides Ba ₈ Ta ₄ Ti ₃ O ₂₄ and Ba ₁₀ Ta ₇ O ₄ Ti ₁₂ O ₃₀ . <i>Journal of Solid State Chemistry</i> , 1995, 114, 560-574.	1.4	33
105	Synthesis and crystal structure of the palladium oxides NaPd ₃ O ₄ , Na ₂ PdO ₃ and K ₃ Pd ₂ O ₄ . <i>Journal of Solid State Chemistry</i> , 2007, 180, 1566-1574.	1.4	33
106	Crystal Structure and Phase Transitions in Sr ₃ WO ₆ . <i>Inorganic Chemistry</i> , 2010, 49, 6058-6065.	1.9	33
107	Antiferroelectric (Pb,Bi) _{1-x} Fe _{1+x} O _{3-y} Perovskites Modulated by Crystallographic Shear Planes. <i>Chemistry of Materials</i> , 2011, 23, 255-265.	3.2	33
108	Optical and photoelectrical properties of nanocrystalline indium oxide with small grains. <i>Thin Solid Films</i> , 2015, 595, 25-31.	0.8	33

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109	Influence of Carbon Coating on Intercalation Kinetics and Transport Properties of LiFePO_4 . <i>ChemElectroChem</i> , 2019, 6, 5090-5100.	1.7	33
110	The rapid microwave-assisted hydrothermal synthesis of NASICON-structured $\text{Na}_3\text{V}_2\text{O}_7 \cdot 2\text{H}_2\text{O}$ (PO_4) ₂ F_3 (0) $\text{Tj ETQq 0 0 rgB3/Overlock$	1.7	33
111	Topotactic Reduction As a Route to New Close-Packed Anion Deficient Perovskites: Structure and Magnetism of 4H-BaMnO_{2+x} . <i>Journal of the American Chemical Society</i> , 2009, 131, 10598-10604.	6.6	31
112	The High-Temperature Polymorphs of K_3AlF_6 . <i>Inorganic Chemistry</i> , 2011, 50, 7792-7801.	1.9	31
113	$\text{Li}_2\text{Cu}_2\text{O}(\text{SO}_4)_2$: a Possible Electrode for Sustainable Li-Based Batteries Showing a 4.7 V Redox Activity vs Li^+/LiO . <i>Chemistry of Materials</i> , 2015, 27, 3077-3087.	3.2	31
114	$\hat{\Gamma}_2\text{-NaVP}_2\text{O}_7$ as a Superior Electrode Material for Na-Ion Batteries. <i>Chemistry of Materials</i> , 2019, 31, 7463-7469.	3.2	31
115	Complex manganese oxides with the brownmillerite structure: synthesis, crystal chemistry and properties. <i>Russian Chemical Reviews</i> , 2004, 73, 847-860.	2.5	30
116	Structure and Microstructure of Epitaxial $\text{Sr}_4\text{Fe}_6\text{O}_{13}\hat{\Gamma}$ Films on SrTiO_3 . <i>Chemistry of Materials</i> , 2004, 16, 2578-2584.	3.2	30
117	The Crystal Structure of $\hat{\Gamma}\text{-K}_3\text{AlF}_6$: Elpasolites and Double Perovskites with Broken Corner-Sharing Connectivity of the Octahedral Framework. <i>Inorganic Chemistry</i> , 2009, 48, 9336-9344.	1.9	30
118	Supramolecular thermoplastics and thermoplastic elastomer materials with self-healing ability based on oligomeric charged triblock copolymers. <i>NPG Asia Materials</i> , 2017, 9, e385-e385.	3.8	30
119	Synthesis and characterization of bacteriochlorin loaded magnetic nanoparticles (MNP) for personalized MRI guided photosensitizers delivery to tumor. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 132-141.	5.0	30
120	Local structure of perovskite-based $\text{Pb}_2\text{Fe}_2\text{O}_5$. <i>Solid State Sciences</i> , 2008, 10, 382-389.	1.5	29
121	Crystal structure, phase transition, and magnetic ordering in perovskitelike $\text{Pb}_2\text{Fe}_2\text{O}_5$. <i>Physical Review B</i> , 2008, 78, 114407.	1.1	29
122	Extension of the Clathrate Family: The Type X Clathrate $\text{Ge}_7\text{P}_{29}\text{S}_{18}\text{Te}_6$. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2371-2374.	7.2	29
123	$\text{KEu}(\text{MoO}_4)_2$: Polymorphism, Structures, and Luminescent Properties. <i>Chemistry of Materials</i> , 2015, 27, 5519-5530.	3.2	29
124	Proton Ion Exchange Reaction in Li_3IrO_4 : A Way to New H_3XIrO_4 Phases Electrochemically Active in Both Aqueous and Nonaqueous Electrolytes. <i>Advanced Energy Materials</i> , 2018, 8, 1702855.	10.2	29
125	Anion Ordering in Fluorinated La_2CuO_4 . <i>Journal of Solid State Chemistry</i> , 1999, 142, 440-450.	1.4	28
126	Synthesis, Structure, and Magnetic Properties of SrLaMnSbO_6 : A New <i>B</i> -Site Ordered Double Perovskite. <i>Chemistry of Materials</i> , 2008, 20, 4653-4660.	3.2	28

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127	Role of PdO and RuO Clusters in Oxygen Exchange between Nanocrystalline Tin Dioxide and the Gas Phase. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23858-23867.	1.5	28
128	Crystal Structure and Luminescent Properties of $R_2\text{Eu}(\text{MoO}_4)_3$ (R = Gd, Sm) Red Phosphors. <i>Chemistry of Materials</i> , 2014, 26, 7124-7136.	3.2	28
129	Facile Synthesis of BaKFeAs_2 Superconductors via Hydride Route. <i>Journal of the American Chemical Society</i> , 2014, 136, 16932-16939.	6.6	28
130	The Role of the Electrode Surface in Na-Air Batteries: Insights in Electrochemical Product Formation and Chemical Growth of Na_2O . <i>Advanced Energy Materials</i> , 2018, 8, 1701581.	10.2	28
131	Synthesis and crystal structure of the $\text{Sr}_2\text{MnGa}(\text{O},\text{F})_6$ oxyfluorides. <i>Journal of Solid State Chemistry</i> , 2004, 177, 731-738.	1.4	27
132	Comprehensive Study of Li+/Ni ²⁺ Disorder in Ni-Rich NMCs Cathodes for Li-Ion Batteries. <i>Symmetry</i> , 2021, 13, 1628.	1.1	27
133	Direct space structure solution from precession electron diffraction data: Resolving heavy and light scatterers in $\text{Pb}_{13}\text{Mn}_9\text{O}_{25}$. <i>Ultramicroscopy</i> , 2010, 110, 881-890.	0.8	26
134	$\text{Sr}_2\text{GaScO}_5$, $\text{Sr}_{10}\text{Ga}_6\text{Sc}_4\text{O}_{25}$, and $\text{Sr}_{0.75}\text{Sc}_{0.25}\text{O}_{2.5}$: a Play in the Octahedra to Tetrahedra Ratio in Oxygen-Deficient Perovskites. <i>Inorganic Chemistry</i> , 2012, 51, 1094-1103.	1.9	26
135	Superspace crystallography: a key to the chemistry and properties. <i>IUCr</i> , 2015, 2, 137-154.	1.0	26
136	$\text{ZnTaO}_2\text{:N}$: Stabilized High-Temperature LiNbO_3 -type Structure. <i>Journal of the American Chemical Society</i> , 2016, 138, 15950-15955.	6.6	26
137	Decoupling the roles of carbon and metal oxides on the electrocatalytic reduction of oxygen on $\text{La}_x\text{Sr}_{1-x}\text{CoO}_3$ perovskite composite electrodes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3327-3338.	1.3	26
138	Activation of anionic redox in d ⁰ transition metal chalcogenides by anion doping. <i>Nature Communications</i> , 2021, 12, 5485.	5.8	26
139	A study of the domain structure of epitaxial $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ films by high-resolution transmission electron microscopy. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1999, 79, 1461-1478.	0.8	25
140	Photoconductivity of nanocrystalline SnO_2 sensitized with colloidal CdSe quantum dots. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1005-1010.	2.7	25
141	Catalytic impact of RuO _x clusters to high ammonia sensitivity of tin dioxide. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 186-193.	4.0	24
142	Mixed-Cation Perovskite $\text{La}_{0.6}\text{Ca}_{0.4}\text{Fe}_{0.7}\text{Ni}_{0.3}\text{O}_{2.9}$ as a Stable and Efficient Catalyst for the Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2021, 11, 8338-8348.	5.5	24
143	Structural Study of the New Complex Oxides $\text{Ba}_{5-y}\text{Sr}_y\text{R}_2\text{-xAl}_2\text{Zr}_{1+x}\text{O}_{13+x/2}$ (R = Gd-Lu, Y, Sc). <i>Journal of Solid State Chemistry</i> , 1995, 118, 180-192.	1.4	23
144	Synthesis and properties of niobium bronzes $\text{R}_1 + x\text{Nb}_3\text{O}_9$ (R = La,Ce,Nd). <i>Materials Research Bulletin</i> , 1995, 30, 97-103.	2.7	23

#	ARTICLE	IF	CITATIONS
145	Synthesis and Structural Study of Hexagonal Perovskites in the Ba ₅ Ta ₄ O ₁₅ MZrO ₃ (M=Ba, Sr) System. <i>Journal of Solid State Chemistry</i> , 1998, 141, 492-499.	1.4	23
146	Transmission Electron Microscopic Study of the Defect Structure in Sr ₄ Fe ₆ O ₁₂ + \hat{I} C Compounds with Variable Oxygen Content. <i>Chemistry of Materials</i> , 2005, 17, 4717-4726.	3.2	23
147	Slicing the Perovskite Structure with Crystallographic Shear Planes: The AnBnO _{3n+2} Homologous Series. <i>Inorganic Chemistry</i> , 2010, 49, 9508-9516. Frustrated pentagonal Cairo lattice in the non-collinear antiferromagnet Bi ₄ Fe ₂ O ₁₄	1.9	23
148	Bi ₄ Fe ₂ O ₁₄ Frustrated pentagonal Cairo lattice in the non-collinear antiferromagnet Bi ₄ Fe ₂ O ₁₄	1.1	23
149	Origins of irreversible capacity loss in hard carbon negative electrodes for potassium-ion batteries. <i>Journal of Chemical Physics</i> , 2020, 152, 194704.	1.2	23
150	Synthesis, structure, and properties of mixed niobium(IV,V) oxides. <i>Inorganic Materials</i> , 2000, 36, 247-259.	0.2	22
151	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
152	Li-ion diffusion in Li Nb ₉ PO ₂₅ . <i>Electrochimica Acta</i> , 2013, 89, 262-269.	2.6	22
153	Mixed-valent, heteroleptic homometallic diketonates as templates for the design of volatile heterometallic precursors. <i>Chemical Science</i> , 2015, 6, 2835-2842.	3.7	22
154	Evaluation of Ce-doped Pr ₂ CuO ₄ for potential application as a cathode material for solid oxide fuel cells. <i>RSC Advances</i> , 2016, 6, 101029-101037.	1.7	22
155	An electrochemical cell with sapphire windows for <i>operando</i> synchrotron X-ray powder diffraction and spectroscopy studies of high-power and high-voltage electrodes for metal-ion batteries. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 468-472.	1.0	22
156	\hat{I} -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
157	Complex oxides with coherent intergrowth structures. <i>Russian Chemical Reviews</i> , 1995, 64, 719-729.	2.5	21
158	Cycling-Driven Electrochemical Activation of Li-Rich NMC Positive Electrodes for Li-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 7758-7769.	2.5	21
159	Effect of fluorination and high pressure on the structure and properties of the Hg-bearing superconducting Cu mixed oxides. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 338, 52-59.	0.6	20
160	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
161	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
162	Pb ₂ MnTeO ₆ Double Perovskite: An Antipolar Anti-ferromagnet. <i>Inorganic Chemistry</i> , 2016, 55, 4320-4329.	1.9	20

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Li_2VPO_4 : A Novel Many Monovalent Ion Intercalation Anode Material for Metal-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12431-12440.	4.0	20
166	Uniform Patterns of Fe-Vacancy Ordering in the $\text{K}_x(\text{Fe},\text{Co})_2\text{Se}_2$ Superconductors. <i>Chemistry of Materials</i> , 2011, 23, 4311-4316.	3.2	19
167	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
168	Photocatalytic process optimisation for ethylene oxidation. <i>Chemical Engineering Journal</i> , 2012, 209, 494-500.	6.6	19
169	$\text{Cs}_7\text{Nd}_{11}(\text{SeO}_3)_{12}\text{Cl}_{16}$: First Noncentrosymmetric Structure among Alkaline-Metal Lanthanide Selenite Halides. <i>Inorganic Chemistry</i> , 2013, 52, 3611-3619.	1.9	19
170	Improving salt-to-solvent ratio to enable high-voltage electrolyte stability for advanced Li-ion batteries. <i>Electrochimica Acta</i> , 2018, 263, 127-133.	2.6	19
171	Crystal structure of $\text{Ba}_5\text{In}_2\text{Al}_2\text{ZrO}_{13}$. <i>Journal of Alloys and Compounds</i> , 1994, 206, 185-188.	2.8	18
172	Phase transitions in K_3AlF_6 . <i>Journal of Solid State Chemistry</i> , 2006, 179, 421-428.	1.4	18
173	Superspace Description, Crystal Structures, and Electric Conductivity of the $\text{Ba}_4\text{In}_6\text{Mg}_{13}\text{O}_{13}$ Solid Solutions. <i>Chemistry of Materials</i> , 2008, 20, 4457-4467.	3.2	18
174	Semiclathrates of the $\text{Ge}_4\text{P}_4\text{Te}$ System: Synthesis and Crystal Structures. <i>Chemistry - A European Journal</i> , 2011, 17, 5719-5726.	1.7	18
175	Pd_5InSe and $\text{Pd}_8\text{In}_2\text{Se}$ - New metal-rich homologous selenides with 2D palladium-indium fragments: Synthesis, structure and bonding. <i>Journal of Alloys and Compounds</i> , 2014, 589, 48-55.	2.8	18
176	High-temperature superconductors based on complex layered copper oxyfluorides. <i>Russian Chemical Reviews</i> , 2002, 71, 383-399.	2.5	17
177	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
178	Synthesis, Structure, and Transport Properties of Type-I Derived Clathrate $\text{Ge}_4\text{P}_x\text{Se}_8\text{Y}$ ($x=15.4(1); y=1.9$). <i>Journal of Solid State Chemistry</i> , 2006, 179, 421-428.	1.9	17
179	Luminescence Property Upgrading via the Structure and Cation Changing in $\text{Ag}_x\text{Eu}_{2/3}\text{WO}_4$ and $\text{Ag}_x\text{Gd}_{2/3}\text{WO}_4$. <i>Chemistry of Materials</i> , 2017, 29, 8811-8823.	3.2	17
180	Anionic and Cationic Redox Processes in Li_2IrO_3 and Their Structural Implications on Electrochemical Cycling in a Li-Ion Cell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2771-2781.	1.5	17

#	ARTICLE	IF	CITATIONS
181	Structural transformation in fluorinated LaACuGaO5 (A=Ca, Sr) brownmillerites. <i>Solid State Sciences</i> , 2000, 2, 493-502.	0.8	16
182	Ternary Magnesium Rhodium Boride Mg ₂ Rh _{1-x} B _{6+2x} with a Modified Y ₂ ReB ₆ -Type Crystal Structure. <i>Inorganic Chemistry</i> , 2007, 46, 7378-7386.	1.9	16
183	Synthesis, crystal structure and magnetic properties of the Sr ₂ Al _{0.78} Mn _{1.22} O _{5.2} anion-deficient layered perovskite. <i>Journal of Solid State Chemistry</i> , 2009, 182, 356-363.	1.4	16
184	Pd nanoparticles on SnO ₂ (Sb) whiskers: Aggregation and reactivity in CO detection. <i>Journal of Alloys and Compounds</i> , 2013, 565, 6-10.	2.8	16
185	An Oxysulfate Fe ₂ O(SO ₄) ₂ Electrode for Sustainable Li-Based Batteries. <i>Journal of the American Chemical Society</i> , 2014, 136, 12658-12666.	6.6	16
186	Synthesis and cation distribution in the new bismuth oxyhalides with the Sill ^Å ©n ^Å “Aurivillius intergrowth structures. <i>Dalton Transactions</i> , 2015, 44, 20568-20576.	1.6	16
187	A three body problem: a genuine hetero<i>tri</i> metallic molecule <i>vs.</i> a mixture of two parent hetero<i>bi</i> metallic molecules. <i>Chemical Science</i> , 2018, 9, 4736-4745.	3.7	16
188	Growth of pure and doped Rb ₂ ZnCl ₄ and K ₂ ZnCl ₄ single crystals by Czochralski technique. <i>Journal of Crystal Growth</i> , 1999, 200, 148-154.	0.7	15
189	Interplay of atomic displacements in the quantum magnet $\langle \text{CuCl} \rangle$ <i>Physical Review B</i> , 2010, 82, .	1.1	15
190	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
191	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
192	Layered Oxychlorides [PbBiO ₂] _A n+1BnO ₃ n ^Å “1Cl 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
193	Spin-reorientation transitions in the Cairo pentagonal magnet Bi ₄ Fe ₅ O ₁₃ F. <i>Physical Review B</i> , 2017, 96, .	1.1	15
194	HSA ^Å “Coated Magnetic Nanoparticles for MRI-Guided Photodynamic Cancer Therapy. <i>Pharmaceutics</i> , 2018, 10, 284.	2.0	15
195	Incommensurately Modulated Structures and Luminescence Properties of the Ag _x Sm _(2x/3) WO ₄ (x = 0.286, 0.2) Scheelites as Thermographic Phosphors. <i>Chemistry of Materials</i> , 2018, 30, 4788-4798.	3.2	15
196	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
197	Microwave-assisted hydrothermal synthesis, structure and electrochemical properties of the Na ₃ V _{2-y} Fey ₂ (PO ₄) ₂ F _{3-2x} electrode materials for Na-ion batteries. <i>Journal of Solid State Chemistry</i> , 2020, 281, 121010.	1.4	15
198	The Crystal Structure of Ca ₃ ReO ₆ . <i>Journal of Solid State Chemistry</i> , 1997, 131, 305-309.	1.4	14

#	ARTICLE	IF	CITATIONS
199	Anion Rearrangements in Fluorinated Nd ₂ CuO _{3.5} . Chemistry of Materials, 2003, 15, 189-195.	3.2	14
200	Synthesis and characterization of oxygen-deficient oxides BaCo _{1-x} Y _x O _{3-y} , x=0.15, 0.25 and 0.33, with the perovskite structure. Solid State Ionics, 2008, 179, 1885-1889.	1.3	14
201	Coupled anion and cation ordering in Sr ₃ RFe ₄ O _{10.5} (R=Y, Ho, Dy) anion-deficient perovskites. Journal of Solid State Chemistry, 2010, 183, 2845-2854.	1.4	14
202	The local structure and composition of Ba ₄ Nb ₂ O ₉ -based oxycarbonates. Journal of Solid State Chemistry, 2010, 183, 1823-1828.	1.4	14
203	Synthesis, Crystal Structure, Transport, and Magnetic Properties of Novel Ternary Copper Phosphides, A ₂ Cu ₆ P ₅ (A = Sr, Eu) and EuCu ₄ P ₃ . Inorganic Chemistry, 2012, 51, 8948-8955.	1.9	14
204	Two New Arsenides, Eu ₇ Cu ₄₄ As ₂₃ and Sr ₇ Cu ₄₄ As ₂₃ , With a New Filled Variety of the BaHg ₁₁ Structure. Inorganic Chemistry, 2014, 53, 11173-11184.	1.9	14
205	Data-driven computational prediction and experimental realization of exotic perovskite-related polar magnets. Npj Quantum Materials, 2020, 5, .	1.8	14
206	Heterotri-metallic Precursor with 2:2:1 Metal Ratio Requiring at Least a Pentanuclear Molecular Assembly. Journal of the American Chemical Society, 2020, 142, 12767-12776.	6.6	14
207	Synthesis and structure of Sr ₂ MnGaO _{5+δ} brownmillerites with variable oxygen content. Solid State Sciences, 2003, 5, 871-882.	1.5	13
208	Sn _{2-2x} Sb _x Fe _x O ₄ Solid Solutions as Possible Inert Anode Materials in Aluminum Electrolysis. Chemistry of Materials, 2005, 17, 3004-3011.	3.2	13
209	Mg ₈ Rh ₄ B ₆ A new type of boron stabilized Ti ₂ Ni structure. Journal of Solid State Chemistry, 2006, 179, 2751-2760.	1.4	13
210	BiMnFe ₂ O ₆ , a polysynthetically twinned hcp MO structure. Chemical Science, 2010, 1, 751.	3.7	13
211	Cubic lead perovskite PbMoO ₃ with anomalous metallic behavior. Physical Review B, 2017, 95, .	1.1	13
212	Hydrotriphylites Li _{1-x} Fe _{1+x} (PO ₄) ₄ (OH) _{4-4x} as Cathode Materials for Li-ion Batteries. Chemistry of Materials, 2019, 31, 5035-5046.	1.1	13
213	The role of antisite defect pairs in surface reconstruction of layered AMO ₂ oxides: A DFT+U study. Applied Surface Science, 2021, 537, 147750.	3.1	13
214	Suppression of Modulations in Fluorinated Bi-2201 Phases. Journal of Solid State Chemistry, 2001, 156, 445-451.	1.4	12
215	The structural investigation of Ba ₄ Bi ₃ F ₁₇ . Journal of Solid State Chemistry, 2004, 177, 312-318.	1.4	12
216	Crystal structure and chemical bonding in tin(II) acetate. Polyhedron, 2007, 26, 5365-5369.	1.0	12

#	ARTICLE	IF	CITATIONS
217	Title is missing!. Physics-Uspexhi, 2008, 51, 180. Spiral ground state against ferroelectricity in the frustrated magnet BiMnFe \times xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow> </><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>O<mml:math	0.8	12
218	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow> Exploring the Origin of the Superior Electrochemical Performance of Hydrothermally Prepared Li-Rich Lithium Iron Phosphate Li _{1+x} Fe ^T PO ₄ . Journal of Physical Chemistry C, 2020, 124, 126-134.	1.1	12
219	Exploring the Origin of the Superior Electrochemical Performance of Hydrothermally Prepared Li-Rich Lithium Iron Phosphate Li _{1+x} Fe ^T PO ₄ . Journal of Physical Chemistry C, 2020, 124, 126-134.	1.5	12
220	Sulfate-Containing Composite Based on Ni-Rich Layered Oxide LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ as High-Performance Cathode Material for Li-ion Batteries. Nanomaterials, 2020, 10, 2381.	1.9	12
221	Exploring the Role of Crystal Water in Potassium Manganese Hexacyanoferrate as a Cathode Material for Potassium-Ion Batteries. Crystals, 2021, 11, 895.	1.0	12
222	Oxygen and fluorine doping in Sr ₂ MnGaO ₅ brownmillerite. Physica Status Solidi A, 2004, 201, 1403-1409.	1.7	11
223	[SrF _{0.8} (OH) _{0.2}] _{2.526} [Mn ₆ O ₁₂]: \hat{A} Columnar Rock-Salt Fragments Inside the Todorokite-Type Tunnel Structure. Chemistry of Materials, 2007, 19, 1181-1189.	3.2	11
224	Advanced electron microscopy and its possibilities to solve complex structures: application to transition metal oxides. Journal of Materials Chemistry, 2009, 19, 2660.	6.7	11
225	Mixed Tellurides Ni ₃ GaTe ₂ (0 \leq x \leq 0.65): Crystal and Electronic Structures, Properties, and Nickel Deficiency Effects on Vacancy Ordering. European (CuCl) ₂ LaTa \times xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow> </><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math	1.0	11
226	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow>		

#	ARTICLE	IF	CITATIONS
235	Hydrothermal Microwave-Assisted Synthesis of $\text{Na}_{3-x}\text{V}_2\text{Mn}_y(\text{PO}_4)_2\text{F}_3$ Solid Solutions as Potential Positive Electrodes for Na-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 5007-5014.	2.5	11
236	Synthesis and structure of $\text{Ln}_4\text{Re}_6\text{O}_{19}$ (Ln=Ce, Pr, Nd) complex oxides. Journal of Alloys and Compounds, 1998, 278, 98-102.	2.8	10
237	Synthesis and Crystal Structure of a New Complex Oxyfluoride $\text{La}_{0.813}\text{Sr}_{0.187}\text{Cu}(\text{O},\text{F})_3$. Journal of Solid State Chemistry, 2000, 149, 189-196.	1.4	10
238	Synthesis and crystal structure of the lithium perrhenate monohydrate $\text{LiReO}_4 \cdot \text{H}_2\text{O}$. Solid State Sciences, 2001, 3, 581-586.	1.5	10
239	Crystal and magnetic structures of new layered oxides $\text{A}_2\text{GaMnO}_{5+y}$ (A=Ca, Sr). Applied Physics A: Materials Science and Processing, 2002, 74, s1734-s1736.	1.1	10
240	Synthesis and crystal structure of novel CaRMnSnO_6 (R = La, Pr, Nd, Sm–Dy) double perovskites. Journal of Materials Chemistry, 2005, 15, 4899.	6.7	10
241	Influence of antimony doping on structure and conductivity of tin oxide whiskers. Thin Solid Films, 2009, 518, 1359-1362.	0.8	10
242	Structural and Magnetic Phase Transitions in the $\text{A}_3\text{B}_2\text{O}_3$ Anion-Deficient Perovskites $\text{Pb}_2\text{Ba}_2\text{BiFe}_5\text{O}_{13}$ and $\text{Pb}_{1.5}\text{Ba}_{2.5}\text{Bi}_2\text{Fe}_6\text{O}_{16}$. Inorganic Chemistry, 2013, 52, 7834-7843.	1.9	10
243	Nanoscale phase separation in perovskites revisited. Nature Materials, 2014, 13, 216-217.	13.3	10
244	Oxygen-driven competition between low-dimensional structures of Sr_3CoMO_6 and Sr_3CoMO_7 with M = Ru, Ir. Dalton Transactions, 2014, 43, 13883.	1.6	10
245	Soft chemical control of the crystal and magnetic structure of a layered mixed valent manganite oxide sulfide. APL Materials, 2015, 3, .	2.2	10
246	Lithium-Ion Electrochemical Energy Storage: the Current State, Problems, and Development Trends in Russia. Thermal Engineering (English Translation of Teploenergetika), 2019, 66, 219-224.	0.4	10
247	Synthesis and properties of $\text{NbM}_2\text{RCu}_2\text{O}_8$ and $\text{TaM}_2\text{RCu}_2\text{O}_8$ phases (M=Ba, Sr; R=Pr, Nd, Sm, Eu and Gd). Journal of Alloys and Compounds, 1996, 241, 63-68.	2.8	9
248	Magnetic flux dynamics and structural features in fluorinated $\text{HgBa}_2\text{CuO}_4$ as probed by ^{19}F NMR. Physical Review B, 2000, 61, 14370-14373.	1.1	9
249	HREM Study of Fluorinated Nd_2CuO_4 . Journal of Solid State Chemistry, 2001, 157, 56-61.	1.4	9
250	New perovskite-based manganite $\text{Pb}_2\text{Mn}_2\text{O}_5$. Journal of Solid State Chemistry, 2010, 183, 2190-2195.	1.4	9
251	$\text{Pb}_{2.85}\text{Ba}_{2.15}\text{Fe}_4\text{SnO}_{13}$: A new member of the AnBnO_{3n-2} anion-deficient perovskite-based homologous series. Journal of Solid State Chemistry, 2011, 184, 3150-3157.	1.4	9
252	Layered oxygen vacancy ordering in Nb-doped $\text{SrCo}_{1-x}\text{Fe}_x\text{O}_{3-\delta}$ perovskite. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, 28-34.	0.4	9

#	ARTICLE	IF	CITATIONS
253	Protective Spinel Coating for Li _{1.17} Ni _{0.17} Mn _{0.50} Co _{0.17} O ₂ Cathode for Li-Ion Batteries through Single-Source Precursor Approach. <i>Nanomaterials</i> , 2020, 10, 1870.	1.9	9
254	Phase Transitions in the Spinel-Layered Li _{1+x} Ni _{0.5} Mn _{1.5} O ₄ (x = 0, 0.5, 1) Cathodes upon (De)lithiation Studied with Operando Synchrotron X-ray Powder Diffraction. <i>Nanomaterials</i> , 2021, 11, 1368.	1.9	9
255	Structural Transformations in the Fluorinated T* Phase. <i>Journal of Solid State Chemistry</i> , 1999, 147, 647-656.	1.4	8
256	Synthesis and structural investigations on the new Sr _{1.32} Mn _{0.83} Cu _{0.17} O ₃ compound. <i>Solid State Sciences</i> , 2003, 5, 1117-1125.	1.5	8
257	Spatial Separation of Covalent, Ionic, and Metallic Interactions in Mg ₁₁ Rh ₁₈ B ₈ and Mg ₃ Rh ₅ B ₃ . <i>Chemistry - A European Journal</i> , 2013, 19, 17860-17870.	1.7	8
258	Atomic Structure of Defects in Anion-Deficient Perovskite-Based Ferrites with a Crystallographic Shear Structure. <i>Inorganic Chemistry</i> , 2014, 53, 2171-2180.	1.9	8
259	Exploring the Peculiarities of LiFePO ₄ Hydrothermal Synthesis Using <i>In Situ</i> Calvet Calorimetry. <i>Crystal Growth and Design</i> , 2018, 18, 879-882.	1.4	8
260	Chemical Activity of the Peroxide/Oxide Redox Couple: Case Study of Ba ₅ Ru ₂ O ₁₁ in Aqueous and Organic Solvents. <i>Chemistry of Materials</i> , 2018, 30, 3882-3893.	3.2	8
261	Reversible electrochemical potassium deintercalation from a positive electrode material K ₆ (VO) ₂ (V ₂ O ₃) ₂ (PO ₄) ₄ (P ₂ O ₇). <i>Solid State Ionics</i> , 2020, 357, 115468.	1.3	8
262	Revisited Ti ₂ Nb ₂ O ₉ as an Anode Material for Advanced Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56366-56374.	4.0	8
263	Synthesis and Structural Study of Pb ₂ Re ₂ O ₇ ^x Pyrochlores. <i>Journal of Solid State Chemistry</i> , 1998, 138, 220-225.	1.4	7
264	Effect of fluorination on the structure and superconducting properties of Y ₂ Ba ₄ Cu ₇ O ₁₄ + δ phases. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 301, 155-164.	0.6	7
265	Ca _{6.3} Mn ₃ Ga _{4.4} Al _{1.3} O ₁₈ A novel complex oxide with 3D tetrahedral framework. <i>Journal of Solid State Chemistry</i> , 2005, 178, 3137-3144.	1.4	7
266	Synthesis, Crystal Structure, and Magnetic Properties of Sr _{1.31} Co _{0.63} Mn _{0.37} O ₃ : A Derivative of the Incommensurate Composite Hexagonal Perovskite Structure. <i>Chemistry of Materials</i> , 2007, 19, 6158-6167.	3.2	7
267	Lanthanum-strontium cuprate: A promising cathodic material for solid oxide fuel cells. <i>Russian Journal of Electrochemistry</i> , 2007, 43, 436-442.	0.3	7
268	Short-range order of Br and three-dimensional magnetism in (CuBr)LaNb ₂ O ₇ . <i>Physical Review B</i> , 2012, 85, .	1.1	7
269	Structure and high-temperature properties of the (Sr,Ca,Y)(Co, Mn)O ₃ ^y perovskites perspective cathode materials for IT-SOFC. <i>Journal of Solid State Chemistry</i> , 2012, 192, 186-194.	1.4	7
270	Direct Evidence of Stacking Disorder in the Mixed Ionic-Electronic Conductor Sr ₄ Fe ₆ O ₁₂ + δ . <i>ACS Nano</i> , 2013, 7, 3078-3085.	7.3	7

#	ARTICLE	IF	CITATIONS
271	Trapping of Oxygen Vacancies at Crystallographic Shear Planes in Acceptor-Doped Pb-Based Ferroelectrics. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14787-14790.	7.2	7
272	$\text{Bi}_{3+n}\text{Ti}_7\text{Fe}_3\text{O}_{9+n+11}$ Homologous Series: Slicing Perovskite Structure with Planar Interfaces Containing Anatase-like Chains. <i>Inorganic Chemistry</i> , 2016, 55, 1245-1257.	1.9	7
273	Reduced $\text{Na}_{2+x}\text{Ti}_4\text{O}_9/\text{C}$ Composite: A Durable Anode for Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 8521-8527.	3.2	7
274	Magneto-orbital texture in the perovskite modification of Mn_2O_3 . <i>Physical Review B</i> , 2018, 98, .	1.1	7
275	Tuning the Crystal Structure of $\text{A}_2\text{CoPO}_4\text{F}$ (A = Li, Na) Fluoride-Phosphates: A New Layered Polymorph of $\text{LiNaCoPO}_4\text{F}$. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4365-4372.	1.0	7
276	Expanding the Rich Crystal Chemistry of Ruthenium(V) Oxides via the Discovery of BaRu_2O_6 , $\text{Ba}_5\text{Ru}_4\text{O}_{15}$, $\text{Ba}_2\text{Ru}_3\text{O}_{10}$, and $\text{Sr}_2\text{Ru}_3\text{O}_9(\text{OH})$ by pH-Controlled Hydrothermal Synthesis. <i>Chemistry of Materials</i> , 2019, 31, 6295-6305.	3.2	7
277	Monoclinic $\hat{1}\pm\text{Na}_2\text{FePO}_4\text{F}$ with Strong Antisite Disorder and Enhanced Na^+ Diffusion. <i>Inorganic Chemistry</i> , 2020, 59, 16225-16237.	1.9	7
278	Anionic substitution in LiMnPO_4 : The $\text{Li}_1\text{-Mn}_{1+}(\text{PO}_4)_1(\text{VO}_4)(\text{OH})_4$ solid solutions prepared with a microwave-assisted hydrothermal method. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121294.	1.4	7
279	Structural Polymorphism in $\text{Na}_4\text{Zn}(\text{PO}_4)_2$ Driven by Rotational Order-Disorder Transitions and the Impact of Heterovalent Substitutions on Na-Ion Conductivity. <i>Inorganic Chemistry</i> , 2020, 59, 6528-6540.	1.9	7
280	NH_4^+ -based frameworks as a platform for designing electrodes and solid electrolytes for Na-ion batteries: A screening approach. <i>Solid State Ionics</i> , 2022, 374, 115810.	1.3	7
281	Fluorite-like phases in the $\text{BaF}_2\text{-BiF}_3\text{-Bi}_2\text{O}_3$ system synthesis, conductivity and defect clustering. <i>Materials Research Bulletin</i> , 2005, 40, 821-830.	2.7	6
282	Crystal structure and properties of the $\text{Na}_{1-x}\text{Ru}_2\text{O}_4$ phase. <i>Russian Chemical Bulletin</i> , 2006, 55, 1717-1722.	0.4	6
283	Original close-packed structure and magnetic properties of the $\text{Pb}_4\text{Mn}_9\text{O}_{20}$ manganite. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2231-2238.	1.4	6
284	Microstructural Aspects of the Degradation Behavior of SnO_2 -Based Anodes for Aluminum Electrolysis. <i>Journal of the Electrochemical Society</i> , 2010, 157, C178.	1.3	6
285	$\text{Bi}_{0.75}\text{Sr}_{0.25}\text{FeO}_3$: Revealing order/disorder phenomena by combining diffraction techniques. <i>Solid State Communications</i> , 2012, 152, 331-336.	0.9	6
286	$\text{Pb}_5\text{Fe}_3\text{TiO}_{11}\text{Cl}$: A rare example of Ti(IV) in a square pyramidal oxygen coordination. <i>Journal of Solid State Chemistry</i> , 2014, 215, 245-252.	1.4	6
287	Magnetic and Intercalation Properties of BaRu_2O_6 and SrRu_2O_6 . <i>Chemistry of Materials</i> , 2020, 32, 8471-8480.	3.2	6
288	Phase Transformations and Charge Ordering during Li^+ Intercalation into Hollandite-Type TiO_2 Studied by Operando Synchrotron X-ray Powder Diffraction. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 743-748.	1.0	6

#	ARTICLE	IF	CITATIONS
289	Grain Boundaries as a Diffusion-Limiting Factor in Lithium-Rich NMC Cathodes for High-Energy Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 6777-6786.	2.5	6
290	Layered Sodium Titanium Trichalcogenide Na_2TiCh_3 Framework (Ch = S, Se): A Rich Crystal and Electrochemical Chemistry. <i>Chemistry of Materials</i> , 2022, 34, 2382-2392.	3.2	6
291	Synthesis and Crystal Structure of $\text{Sr}_2\text{ScBiO}_6$. <i>Journal of Solid State Chemistry</i> , 2001, 162, 142-147.	1.4	5
292	$\text{Ba}_{2.1}\text{Bi}_{0.9}(\text{O}, \text{F})_{6.8}$: A new ordered anion-excess fluorite. <i>Materials Research Bulletin</i> , 2007, 42, 861-869.	2.7	5
293	Cationic Clathrate of Type-III $\text{Ge}_{172}\text{P}_{172}\text{Te}_{172}$ ($x \approx 21.5$, $y \approx 2$): Synthesis, Crystal Structure and Thermoelectric Properties. <i>Inorganic Chemistry</i> , 2013, 52, 8272-8279.	1.9	5
294	Surface processes during purification of InP quantum dots. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1220-1225.	1.5	5
295	Relationship between the Size of Magnetic Nanoparticles and Efficiency of MRT Imaging of Cerebral Glioma in Rats. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 161, 292-295.	0.3	5
296	Synthesis, structure and electrochemical properties of $\text{LiNaCo}_{0.5}\text{Fe}_{0.5}\text{PO}_4\text{F}$ fluoride-phosphate. <i>Journal of Solid State Chemistry</i> , 2016, 242, 70-77.	1.4	5
297	Effect of cation vacancies on the crystal structure and luminescent properties of $\text{Ca}_{0.85}\text{Gd}_{1.5}\text{Eu}_{0.1}\text{WO}_4$ (0.05 $\leq x \leq 0.5$) scheelite-based red phosphors. <i>Journal of Alloys and Compounds</i> , 2017, 706, 358-369.	2.8	5
298	Crystal Structure, Defects, Magnetic and Dielectric Properties of the Layered $\text{Bi}_3\text{n}+1\text{Ti}_7\text{Fe}_3\text{n}\text{O}_{9\text{n}+11}$ Perovskite-Anatase Intergrowths. <i>Inorganic Chemistry</i> , 2017, 56, 931-942.	1.9	5
299	Reactivity with Water and Bulk Ruthenium Redox of Lithium Ruthenate in Basic Solutions. <i>Advanced Functional Materials</i> , 2021, 31, 2002249.	7.8	5
300	$\text{Li}_2\text{LiVP}_2\text{O}_7$ as a positive electrode material for Li-ion batteries. <i>Electrochimica Acta</i> , 2021, 389, 138759.	2.6	5
301	Hard carbon as a negative electrode material for potassium-ion batteries prepared with high yield through a polytetrafluoroethylene-based precursor. <i>Carbon Trends</i> , 2021, 5, 100089.	1.4	5
302	Polyoxocationic antimony oxide cluster with acidic protons. <i>Science Advances</i> , 2022, 8, .	4.7	5
303	Synthesis and Characterization of New Phases: $\text{Sr}_{3.75}\text{K}_{1.75}\text{Bi}_3\text{O}_{12}$ and $\text{Sr}_{3.1}\text{Na}_{2.9}\text{Bi}_3\text{O}_{12}$. <i>Journal of Solid State Chemistry</i> , 2000, 152, 492-502.	1.4	4
304	Synthesis and crystal structure of the novel $\text{Pb}_5\text{Sb}_2\text{MnO}_{11}$ compound. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2855-2861.	1.4	4
305	Comment on AAlMn_2O_6 (A = K, Rb): Novel Ferromagnetic Manganites Exhibiting Negative Giant Magnetoresistance. <i>Chemistry of Materials</i> , 2009, 21, 2000-2001.	3.2	4
306	Molybdenum Oxide Nitrides of the $\text{Mo}_2(\text{O}, \text{N})_5$ Type: On the Way to Mo_2O_5 . <i>Inorganic Chemistry</i> , 2017, 56, 8782-8792.	1.9	4

#	ARTICLE	IF	CITATIONS
307	Crystal Structures and Low-Dimensional Ferromagnetism of Sodium Nickel Phosphates $\text{Na}_5\text{Ni}_2(\text{PO}_4)_3 \cdot \text{H}_2\text{O}$ and $\text{Na}_6\text{Ni}_2(\text{PO}_4)_3\text{OH}$. <i>Inorganic Chemistry</i> , 2019, 58, 610-621.	1.9	4
308	$\text{Li}_x\text{-TiPO}_4$ as a Negative Electrode Material for Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , 2021, 60, 12237-12246.	1.9	4
309	Chemistry, Local Molybdenum Clustering, and Electrochemistry in the $\text{Li}_{2+x}\text{MoO}_3$ Solid Solutions. <i>Inorganic Chemistry</i> , 2022, 61, 5637-5652.	1.9	4
310	Atomic and magnetic structures, phase separation, and unconventional superexchange interactions in $\text{Sr}_2\text{GaMnO}_{5+x}$ ($0 < x < 0.5$) and $\text{Sr}_2\text{GaMn}(\text{O},\text{F})_6$. <i>Physica B: Condensed Matter</i> , 2004, 350, E23-E26.	1.3	3
311	Synthesis and crystal structure of the new complex oxide $\text{Ca}_7\text{Mn}_{2.14}\text{Ga}_{5.86}\text{O}_{17.93}$. <i>Russian Chemical Bulletin</i> , 2010, 59, 706-711.	0.4	3
312	New anion-conducting solid solutions $\text{Bi}_{1-x}\text{Te}_x(\text{O},\text{F})_2$ ($x > 0.5$) and glass-ceramic material on their base. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 1110-1116.	0.9	3
313	Tysonite-type solid solutions in the $\text{BiF}_3\text{-BiOF-BaF}_2$ system: Polymorphism and anionic conductivity. <i>Russian Journal of Inorganic Chemistry</i> , 2011, 56, 313-324.	0.3	3
314	Expanding the Ruddlesden-Popper Manganite Family: The $n = 3$ $\text{La}_3.2\text{Ba}_0.8\text{Mn}_3\text{O}_{10}$ Member. <i>Inorganic Chemistry</i> , 2012, 51, 11487-11492.	1.9	3
315	Crystal structure and magnetic properties of the Cr-doped spiral antiferromagnet $\text{BiMnFe}_2\text{O}_6$. <i>Materials Research Bulletin</i> , 2013, 48, 2993-2997.	2.7	3
316	Preparation of gold nanoparticles via direct interaction of tetrachloroauric acid with DNA. <i>Colloid and Polymer Science</i> , 2019, 297, 433-444.	1.0	3
317	Electrochemical instability of bis(trifluoromethylsulfonyl)imide based ionic liquids as solvents in high voltage electrolytes for potassium ion batteries. <i>Mendeleev Communications</i> , 2020, 30, 679-682.	0.6	3
318	Microwave-Assisted Hydrothermal Synthesis of Space Fillers to Enhance Volumetric Energy Density of NMC811 Cathode Material for Li-Ion Batteries. <i>Batteries</i> , 2022, 8, 67.	2.1	3
319	Irreversibility fields of the high- T_c superconductors Hg-1212 and $(\text{Hg},\text{Tl})\text{-1212}$. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 391, 298-304.	0.6	2
320	Interactions in the $\text{NdF}_3\text{-Nd}_2\text{O}_3\text{-MF}_2$ ($M = \text{Ba}, \text{Sr}$) systems. <i>Russian Journal of Inorganic Chemistry</i> , 2011, 56, 1625-1633.	0.3	2
321	Structure and magnetic properties of a new anion-deficient perovskite $\text{Pb}_2\text{Ba}_2\text{BiFe}_4\text{ScO}_{13}$ with crystallographic shear structure. <i>Materials Research Bulletin</i> , 2013, 48, 3459-3465.	2.7	2
322	Reply to Comment on "Frustrated Octahedral Tilting Distortion in the Incommensurately Modulated $\text{Li}_3\text{Nd}_2/3\text{TiO}_3$ Perovskites". <i>Chemistry of Materials</i> , 2014, 26, 1288-1288.	3.2	2
323	Denticity and Mobility of the Carbonate Groups in AMCO_3F Fluorocarbonates: A Study on KMnCO_3F and High Temperature KCaCO_3F Polymorph. <i>Inorganic Chemistry</i> , 2017, 56, 13132-13139.	1.9	2
324	Synthesis and structural characterization of a novel $\text{Sill} \cdot \text{n}$ Aurivillius bismuth oxyhalide, $\text{PbBi}_3\text{VO}_7.5\text{Cl}$, and its derivatives. <i>Solid State Sciences</i> , 2018, 75, 27-33.	1.5	2

#	ARTICLE	IF	CITATIONS
325	Low-temperature solvothermal fluorination method and synthesis of La ₄ Ni ₃ O ₈ F oxyfluorides via the La ₄ Ni ₃ O ₈ infinite-layer intermediate. <i>Journal of Solid State Chemistry</i> , 2020, 289, 121490.	1.4	2
326	Li-based layered nickel-tin oxide obtained through electrochemically-driven cation exchange. <i>RSC Advances</i> , 2021, 11, 28593-28601.	1.7	2
327	The Influence of Synthesis Method on the Local Structure and Electrochemical Properties of Li-Rich/Mn-Rich NMC Cathode Materials for Li-Ion Batteries. <i>Nanomaterials</i> , 2022, 12, 2269.	1.9	2
328	New anion-conducting fluorite-like solid solution Bi _{1-x} Te _x (O,F) _{2+1'} (0.28 x \leq 0.43) in the BiF ₃ -BiOF-TeO ₂ system. <i>Russian Journal of Inorganic Chemistry</i> , 2013, 58, 749-755.	0.3	1
329	Perovskites: A Hard Oxide Semiconductor with A Direct and Narrow Bandgap and Switchable n Electrical Conduction (<i>Adv. Mater.</i> 48/2014). <i>Advanced Materials</i> , 2014, 26, 8184-8184.	11.1	1
330	Crystal, magnetic and dielectric studies of the 2D antiferromagnet: \hat{I}^2 -NaMnO ₂ . <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
331	Sr ₂₁ Bi ₈ Cu ₂ (CO ₃) ₂₀ 41, a Bi ⁵⁺ Oxycarbonate with an Original 10L Structure. <i>Inorganic Chemistry</i> , 2014, 53, 10266-10275.	1.9	1
332	Doping of Bi ₄ Fe ₅ O ₁₃ F with pentagonal Cairo lattice with Cr and Mn: Synthesis, structure and magnetic properties. <i>Materials Research Bulletin</i> , 2017, 87, 54-60.	2.7	1
333	Nanoscale Characterization of Growth of Secondary Phases in Off-Stoichiometric CZTS Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1688-1695.	0.9	1
334	Toward unlocking the Mn ³⁺ /Mn ²⁺ redox pair in alluaudite-type Na _{2+2Mn²⁺} (SO ₄) ₃ (SeO ₄) cathodes for sodium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2019, 277, 804-810.	1.4	1
335	Experimental determination of the magnetic interactions of frustrated Cairo pentagon lattice materials. <i>Physical Review B</i> , 2021, 103, .	1.1	1
336	Chemical Design of IrS ₂ Polymorphs to Understand the Charge/Discharge Asymmetry in Anionic Redox Systems. <i>Chemistry of Materials</i> , 2022, 34, 325-336.	3.2	1
337	Sodium-Vanadium Bronze Na ₉ V ₁₄ O ₃₅ : An Electrode Material for Na-Ion Batteries. <i>Molecules</i> , 2022, 27, 86.	1.7	1
338	Synthesis and Structure of 3-Methyl-2,2,4-trinitro-3-thiolene 1,1-dioxide. <i>Russian Journal of General Chemistry</i> , 2003, 73, 434-439.	0.3	0
339	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>ChemInform</i> , 2005, 36, no.	0.1	0
340	Electron Diffraction of Commensurately and Incommensurately Modulated Materials. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2012, , 409-417.	0.2	0
341	Volume Editors' Introduction. , 2013, , xxxvii-xxxix.		0
342	Materials Science Applications of Aberration Corrected TEM and/or STEM. <i>Microscopy and Microanalysis</i> , 2015, 21, 1131-1132.	0.2	0

#	ARTICLE	IF	CITATIONS
343	In Situ Electron Diffraction using Liquid-Electrochemical TEM for Monitoring Structural Transformation in Single Crystals Of Cathode Materials for Li-Ion Batteries. Microscopy and Microanalysis, 2019, 25, 1946-1947.	0.2	0
344	Electrode materials viewed with transmission electron microscopy. , 2021, , .		0
345	Effect of Electrolyte Salt Concentration on the Electrochemical Performance of K-Ion Batteries Using Diglyme-Based Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
346	New Phosphate Framework for Facile Reversible Alkali Metal Ion De/Insertion. ECS Meeting Abstracts, 2019, , .	0.0	0
347	High Voltage Activation of the Nasicon-Type Na ₄ MnV(PO ₄) ₃ Cathode Studied By Operando X-Ray Diffraction. ECS Meeting Abstracts, 2019, , .	0.0	0
348	Operando Synchrotron X-Ray Diffraction and Mössbauer Spectroscopy of the Cathode Materials for Li-Ion and Na-Ion Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0
349	Enhancement of Catalytic Activity and Stability of La _{0.6} Ca _{0.4} Fe _{0.7} Ni _{0.3} O _{2.9} Perovskite with ppm Concentration of Fe in the Electrolyte for the Oxygen Evolution Reaction. Materials, 2021, 14, 6403.	1.3	0