Gwenaelle Rousse

List of Publications by Year
in descending order

153 papers	10,961 citations	36303 51 h-index	31849 101 g-index
171 all docs	171 docs citations	171 times ranked	10252 citing authors

#	Article	IF	Citations
1	Origin of voltage decay in high-capacity layered oxide electrodes. Nature Materials, 2015, 14, 230-238.	27.5	757
2	Na₂Ti₃O₇: Lowest Voltage Ever Reported Oxide Insertion Electrode for Sodium Ion Batteries. Chemistry of Materials, 2011, 23, 4109-4111.	6.7	742
3	Visualization of O-O peroxo-like dimers in high-capacity layered oxides for Li-ion batteries. Science, 2015, 350, 1516-1521.	12.6	659
4	High Performance Li₂Ru_{1â€“<i>y</i>}Mn_{<i>y</i>}O₃ (0.2 â‰) Tj ETQq0 0 0 rgBT /O Chemistry of Materials, 2013, 25, 1121-1131.	6.7	365
5	Electrochemical Reduction of CO₂ Catalyzed by Fe-N-C Materials: A Structureâ€“Selectivity Study. ACS Catalysis, 2017, 7, 1520-1525.	11.2	363
6	Electronic Crystallization in a Lithium Battery Material: Columnar Ordering of Electrons and Holes in the SpinelLiMn2O4. Physical Review Letters, 1998, 81, 4660-4663.	7.8	309
7	Magnetic Structures of the Triphylite LiFePO4and of Its Delithiated Form FePO4. Chemistry of Materials, 2003, 15, 4082-4090.	6.7	309
8	A 3.90 V iron-based fluorosulphate material for lithium-ion batteries crystallizing in the triplite structure. Nature Materials, 2011, 10, 772-779.	27.5	301
9	Evidence for anionic redox activity in a tridimensional-ordered Li-rich positive electrodeÂÎ²-Li2IrO3. Nature Materials, 2017, 16, 580-586.	27.5	290
10	Low-Potential Sodium Insertion in a NASICON-Type Structure through the Ti(III)/Ti(II) Redox Couple. Journal of the American Chemical Society, 2013, 135, 3897-3903.	13.7	213
11	Preparation and Characterization of a Stable FeSO₄F-Based Framework for Alkali Ion Insertion Electrodes. Chemistry of Materials, 2012, 24, 4363-4370.	6.7	210
12	Higher energy and safer sodium ion batteries via an electrochemically made disordered Na3V2(PO4)2F3 material. Nature Communications, 2019, 10, 585.	12.8	207
13	A comparative structural and electrochemical study of monoclinic Li3Fe2(PO4)3 and Li3V2(PO4)3. Journal of Power Sources, 2003, 119-121, 278-284.	7.8	203
14	A Dendritic Nanostructured Copper Oxide Electrocatalyst for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 4792-4796.	13.8	201
15	Microsized Sn as Advanced Anodes in Glymeâ€Based Electrolyte for Naâ€Ion Batteries. Advanced Materials, 2016, 28, 9824-9830.	21.0	199
16	Insertion compounds and composites made by ball milling for advanced sodium-ion batteries. Nature Communications, 2016, 7, 10308.	12.8	198
17	Understanding the Roles of Anionic Redox and Oxygen Release during Electrochemical Cycling of Lithium-Rich Layered Li₄FeSbO₆. Journal of the American Chemical Society, 2015, 137, 4804-4814.	13.7	155
18	Unlocking anionic redox activity in O3-type sodium 3d layered oxides via Li substitution. Nature Materials, 2021, 20, 353-361.	27.5	155

#	Article	IF	Citations
19	Approaching the limits of cationic and anionic electrochemical activity with the Li-rich layered rocksalt Li3IrO4. Nature Energy, 2017, 2, 954-962.	39.5	138
20	Sulfate-Based Polyanionic Compounds for Li-Ion Batteries: Synthesis, Crystal Chemistry, and Electrochemistry Aspects. Chemistry of Materials, 2014, 26, 394-406.	6.7	137
21	Strong Oxygen Participation in the Redox Governing the Structural and Electrochemical Properties of Na-Rich Layered Oxide Na₂IrO₃. Chemistry of Materials, 2016, 28, 8278-8288.	6.7	132
22	Porous dendritic copper: an electrocatalyst for highly selective CO₂ reduction to formate in water/ionic liquid electrolyte. Chemical Science, 2017, 8, 742-747.	7.4	128
23	Exploring the bottlenecks of anionic redox in Li-rich layered sulfides. Nature Energy, 2019, 4, 977-987.	39.5	123
24	Reaching the Energy Density Limit of Layered O3â€NaNi_{0.5}Mn_{0.5}O₂ Electrodes via Dual Cu and Ti Substitution. Advanced Energy Materials, 2019, 9, 1901785.	19.5	122
25	Discovery of a Sodium-Ordered Form of Na₃V₂(PO₄)₃ below Ambient Temperature. Chemistry of Materials, 2015, 27, 5982-5987.	6.7	110
26	Rationalization of Intercalation Potential and Redox Mechanism for A₂Ti₃O₇ (A = Li, Na). Chemistry of Materials, 2013, 25, 4946-4956.	6.7	98
27	Structural and Electrochemical Studies of Rhombohedral Na2TiM(PO4)3and Li1.6Na0.4TiM(PO4)3(M =) Tj ETQq1 1 0.784314 rgBT /Ove	6.7	89
28	Structural evolution at the oxidative and reductive limits in the first electrochemical cycle of Li1.2Ni0.13Mn0.54Co0.13O2. Nature Communications, 2020, 11, 1252.	12.8	89
29	High-Current-Density CO2-to-CO Electroreduction on Ag-Alloyed Zn Dendrites at Elevated Pressure. Joule, 2020, 4, 395-406.	24.0	88
30	Cubic â†" Orthorhombic Transition in the Stoichiometric Spinel LiMn[sub 2]O[sub 4]. Electrochemical and Solid-State Letters, 1999, 2, 6.	2.2	86
31	Synthesis and electrochemical properties of pure LiFeSO4F in the triplite structure. Electrochemistry Communications, 2011, 13, 1280-1283.	4.7	85
32	Charge Transfer Band Gap as an Indicator of Hysteresis in Li-Disordered Rock Salt Cathodes for Li-Ion Batteries. Journal of the American Chemical Society, 2019, 141, 11452-11464.	13.7	81
33	Design of new electrode materials for Li-ion and Na-ion batteries from the bloedite mineral Na₂Mg(SO₄)₂Â·4H₂O. Journal of Materials Chemistry A, 2014, 2, 2671-2680.	10.3	80
34	Cation insertion to break the activity/stability relationship for highly active oxygen evolution reaction catalyst. Nature Communications, 2020, 11, 1378.	12.8	79
35	Microwave-assisted reactive sintering and lithium ion conductivity of Li1.3Al0.3Ti1.7(PO4)3 solid electrolyte. Journal of Power Sources, 2018, 378, 48-52.	7.8	77
36	Li2Fe(SO4)2 as a 3.83V positive electrode material. Electrochemistry Communications, 2012, 21, 77-80.	4.7	76

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37	Correlating ligand-to-metal charge transfer with voltage hysteresis in a Li-rich rock-salt compound exhibiting anionic redox. Nature Chemistry, 2021, 13, 1070-1080.	13.6	75
38	Revealing pH-Dependent Activities and Surface Instabilities for Ni-Based Electrocatalysts during the Oxygen Evolution Reaction. ACS Energy Letters, 2018, 3, 2884-2890.	17.4	74
39	The Role of Divalent (Zn²⁺/Mg²⁺/Cu²⁺) Substituents in Achieving Full Capacity of Sodium Layered Oxides for Na-Ion Battery Applications. Chemistry of Materials, 2020, 32, 1657-1666.	6.7	74
40	On the Origin of the 3.3 and 4.5 V Steps Observed in LiMn[sub 2]O[sub 4]-Based Spinels. Journal of the Electrochemical Society, 2000, 147, 845.	2.9	73
41	Magnetic Structure and Properties of the Li-Ion Battery Materials FeSO₄F and LiFeSO₄F. Chemistry of Materials, 2011, 23, 2922-2930.	6.7	73
42	Preparation, Structure, and Electrochemistry of Layered Polyanionic Hydroxysulfates: LiMSO₄OH (M = Fe, Co, Mn) Electrodes for Li-Ion Batteries. Journal of the American Chemical Society, 2013, 135, 3653-3661.	13.7	72
43	High Capacity and Highâ€Rate NASICONâ€Na_{3.75}V_{1.25}Mn_{0.75}(PO₄)₃ Cathode for Naâ€Ion Batteries via Modulating Electronic and Crystal Structures. Advanced Energy Materials, 2020, 10, 1902918.	19.5	68
44	Revealing the Reactivity of the Iridium Trioxide Intermediate for the Oxygen Evolution Reaction in Acidic Media. Chemistry of Materials, 2019, 31, 5845-5855.	6.7	67
45	Lithium Insertion/Extraction into/from LiMX2O7Compositions (M = Fe, V; X = P, As) Prepared via a Solution Method. Chemistry of Materials, 2002, 14, 2701-2710.	6.7	66
46	Synthesis and crystal chemistry of the NaMSO4F family (M=Mg, Fe, Co, Cu, Zn). Solid State Sciences, 2012, 14, 15-20.	3.2	60
47	Origin of the 3.6 V to 3.9 V voltage increase in the LiFeSO4F cathodes for Li-ion batteries. Energy and Environmental Science, 2012, 5, 9584.	30.8	58
48	Preparation, structure and electrochemistry of LiFeBO₃: a cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 2060-2070.	10.3	58
49	High voltage sulphate cathodes Li₂M(SO₄)₂ (M = Fe, Mn, Co): atomic-scale studies of lithium diffusion, surfaces and voltage trends. Journal of Materials Chemistry A, 2014, 2, 7446-7453.	10.3	57
50	X-ray Study of the Spinel LiMn2O4at Low Temperatures. Chemistry of Materials, 1999, 11, 3629-3635.	6.7	56
51	Synthesis and Electrochemical Performance of the Orthorhombic Li₂Fe(SO₄)₂ Polymorph for Li-Ion Batteries. Chemistry of Materials, 2014, 26, 4178-4189.	6.7	53
52	A Reversible Lithium Intercalation Process in an ReO[sub 3]-Type Structure PNb[sub 9]O[sub 25]. Journal of the Electrochemical Society, 2002, 149, A391.	2.9	52
53	Ex situ NMR and neutron diffraction study of structure and lithium motion in LiMnN. Solid State Ionics, 2005, 176, 2205-2218.	2.7	52
54	Taking steps forward in understanding the electrochemical behavior of Na₂Ti₃O₇. Journal of Materials Chemistry A, 2015, 3, 22280-22286.	10.3	51

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55	First Example of Protonation of Ruddlesdenâ€“Popper Sr₂IrO₄: A Route to Enhanced Water Oxidation Catalysts. Chemistry of Materials, 2020, 32, 3499-3509.	6.7	51
56	Magnetic Structural Studies of the Two Polymorphs of Li3Fe2(PO4)3:Â Analysis of the Magnetic Ground State from Super-Super Exchange Interactions. Chemistry of Materials, 2001, 13, 4527-4536.	6.7	50
57	Marinite Li₂M(SO₄)₂ (M = Co, Fe, Mn) and Li₁Fe(SO₄)₂: Model Compounds for Super-Super-Exchange Magnetic Interactions. Inorganic Chemistry, 2013, 52, 10456-10466.	4.0	50
58	Chemical and Structural Indicators for Large Redox Potentials in Fe-Based Positive Electrode Materials. ACS Applied Materials & Interfaces, 2014, 6, 10832-10839.	8.0	50
59	Understanding and Promoting the Rapid Preparation of the <i>Triplite</i>-Phase of LiFeSO₄F for Use as a Large-Potential Fe Cathode. Journal of the American Chemical Society, 2012, 134, 18380-18387.	13.7	49
60	Znâ€“Cu Alloy Nanofoams as Efficient Catalysts for the Reduction of CO₂ to Syngas Mixtures with a Potentialâ€Independent H₂/CO Ratio. ChemSusChem, 2019, 12, 511-517.	6.8	49
61	Crystal structure of tooeleite, Fe6(AsO3)4SO4(OH)4{middle dot}4H2O, a new iron arsenite oxyhydroxy-sulfate mineral relevant to acid mine drainage. American Mineralogist, 2007, 92, 193-197.	1.9	47
62	Reversible Li-Intercalation through Oxygen Reactivity in Li-Rich Li-Fe-Te Oxide Materials. Journal of the Electrochemical Society, 2015, 162, A1341-A1351.	2.9	47
63	The relationships between phases and structures of lithium manganese spinels. Journal of Power Sources, 1999, 81-82, 542-546.	7.8	45
64	CO₂ Reduction to CO in Water: Carbon Nanotubeâ€“Gold Nanohybrid as a Selective and Efficient Electrocatalyst. ChemSusChem, 2016, 9, 2317-2320.	6.8	45
65	MicroRaman spectroscopy on LiMn2O4: warnings on laser-induced thermal decomposition. Solid State Ionics, 2004, 170, 135-138.	2.7	44
66	The Li₃Ru_{<i>y</i>}Nb_{1â€“<i>y</i>}O₄ (0 â‰¤ <i>y</i> â‰¤ 1) System: Structural Diversity and Li Insertion and Extraction Capabilities. Chemistry of Materials, 2017, 29, 5331-5343.	6.7	42
67	A Dendritic Nanostructured Copper Oxide Electrocatalyst for the Oxygen Evolution Reaction. Angewandte Chemie, 2017, 129, 4870-4874.	2.0	41
68	Titanium(III) Sulfate as New Negative Electrode for Sodium-Ion Batteries. Chemistry of Materials, 2013, 25, 2391-2393.	6.7	40
69	Novel Complex Stacking of Fully-Ordered Transition Metal Layers in Li₄FeSbO₆ Materials. Chemistry of Materials, 2015, 27, 1699-1708.	6.7	40
70	A neutron diffraction study of the antiferromagnetic diphosphate LiFeP2O7. Solid State Sciences, 2002, 4, 973-978.	3.2	39
71	Structural and Electrochemical Diversity in LiFe_{1âˆ’<i>Î´</i>}Zn_{<i>Î´</i>}SO₄F Solid Solution: A Feâ€Based 3.9â€…V Positiveâ€Electrode Material. Angewandte Chemie - International Edition, 2011, 50, 10574-10577.	13.8	39
72	Crystal Structures of Li₆B₄O₉ and Li₃B₁₁O₁₈ and Application of the Dimensional Reduction Formalism to Lithium Borates. Inorganic Chemistry, 2014, 53, 6034-6041.	4.0	39

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73	An investigation of the structural properties of Li and Na fast ion conductors using high-throughput bond-valence calculations and machine learning. Journal of Applied Crystallography, 2019, 52, 148-157.	4.5	39
74	Magnetic Structures of LiMBO₃ (M = Mn, Fe, Co) Lithiated Transition Metal Borates. Inorganic Chemistry, 2013, 52, 11966-11974.	4.0	38
75	Structural, electrochemical and magnetic properties of a novel KFeSO₄F polymorph. Journal of Materials Chemistry A, 2015, 3, 19754-19764.	10.3	36
76	The first lithium manganese oxynitride, Li7.9MnN5 â^' yOy: preparation and use as electrode material in lithium batteries. Journal of Materials Chemistry, 2003, 13, 2402-2404.	6.7	35
77	Single-Step Synthesis of FeSO₄F_{1â€"<i>y</i>}OH_{<i>y</i>} (0 â‰ <i>y</i>) Tj ETQq1 1 0.784314	6.7	35
78	High density amorphous ices: Disordered water towards close packing. Journal of Chemical Physics, 2004, 121, 8430.	3.0	34
79	Influence of relative humidity on the structure and electrochemical performance of sustainable LiFeSO₄F electrodes for Li-ion batteries. Journal of Materials Chemistry A, 2015, 3, 16988-16997.	10.3	32
80	In situneutron diffraction studies of high density amorphous ice under pressure. Journal of Physics Condensed Matter, 2005, 17, S967-S974.	1.8	31
81	Neutron Diffraction Study of the Li-Ion Battery Cathode Li₂FeP₂O₇. Inorganic Chemistry, 2013, 52, 3334-3341.	4.0	31
82	Li2Cu2O(SO4)2: a Possible Electrode for Sustainable Li-Based Batteries Showing a 4.7 V Redox Activity vs Li+/Li0. Chemistry of Materials, 2015, 27, 3077-3087.	6.7	31
83	Synthesis, Structure, and Electrochemical Properties of K-Based Sulfates K₂M₂(SO₄)₃ with M = Fe and Cu. Inorganic Chemistry, 2017, 56, 2013-2021.	4.0	31
84	Unraveling the Structure of Iron(III) Oxalate Tetrahydrate and Its Reversible Li Insertion Capability. Chemistry of Materials, 2015, 27, 1631-1639.	6.7	30
85	Infrared spectroscopy investigation of the charge ordering transition in LiMn2O4. Solid State Communications, 1999, 111, 453-458.	1.9	29
86	TEM Studies: The Key for Understanding the Origin of the 3.3 V and 4.5 V Steps Observed in LiMn2O4-based Spinels. Journal of Solid State Chemistry, 2000, 155, 394-408.	2.9	29
87	Crystal structure of a new vanadium(IV) diphosphate: VP2O7, prepared by lithium extraction from LiVP2O7. Solid State Sciences, 2001, 3, 881-887.	0.7	29
88	The Hidden Side of Nanoporous Î²â€Li₃PS₄ Solid Electrolyte. Advanced Energy Materials, 2021, 11, 2101111.	19.5	29
89	A Simple and Nonâ€Destructive Method for Assessing the Incorporation of Bipyridine Dicarboxylates as Linkers within Metalâ€"Organic Frameworks. Chemistry - A European Journal, 2016, 22, 3713-3718.	3.3	28
90	Synthesis and Electrochemical Activity of Some Na(Li)â€Rich Ruthenium Oxides with the Feasibility to Stabilize Ru⁶⁺. Advanced Energy Materials, 2019, 9, 1803674.	19.5	28

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91	The charge order transition and elastic/anelastic properties of LiMn2O4. Journal of Physics Condensed Matter, 2003, 15, 457-465.	1.8	26
92	Lithium Migration Pathways and van der Waals Effects in the LiFeSO₄OH Battery Material. Chemistry of Materials, 2014, 26, 3672-3678.	6.7	26
93	Activation of anionic redox in d0 transition metal chalcogenides by anion doping. Nature Communications, 2021, 12, 5485.	12.8	26
94	In Search of the Best Solid Electrolyte-Layered Oxide Pairing for Assembling Practical All-Solid-State Batteries. ACS Applied Energy Materials, 2021, 4, 13575-13585.	5.1	26
95	A low temperature TiP2O7 polymorph exhibiting reversible insertion of lithium and sodium ions. Journal of Materials Chemistry A, 2013, 1, 15284.	10.3	25
96	Competition between Metal Dissolution and Gas Release in Li-Rich Li₃Ru_{<i>y</i>}Ir_{1â€"<i>y</i>}O₄ Model Compounds Showing Anionic Redox. Chemistry of Materials, 2018, 30, 7682-7690.	6.7	25
97	Extending insertion electrochemistry to soluble layered halides with superconcentrated electrolytes. Nature Materials, 2021, 20, 1545-1550.	27.5	25
98	Crystal structure and lithium insertion properties of orthorhombic Li2TiFe(PO4)3 and Li2TiCr(PO4)3. Solid State Sciences, 2004, 6, 1113-1120.	3.2	24
99	Structure and compressibility of the high-pressure molecular phase II of carbon dioxide. Physical Review B, 2014, 89, .	3.2	23
100	A₂VO(SO₄)₂ (A = Li, Na) as Electrodes for Li-Ion and Na-Ion Batteries. Chemistry of Materials, 2016, 28, 6637-6643.	6.7	22
101	Î²-Na_{1.7}IrO₃: A Tridimensional Na-Ion Insertion Material with a Redox Active Oxygen Network. Chemistry of Materials, 2018, 30, 3285-3293.	6.7	22
102	Magnetic structure and properties of orthorhombic Li<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Ni(SO<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (xmlns:mml="http: xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn>	3.2	21
103	Incorporation of vanadium into the framework of hydroxyapatites: importance of the vanadium content and pH conditions during the precipitation step. Physical Chemistry Chemical Physics, 2017, 19, 9630-9640.	2.8	21
104	Surfaceâ€Driven Magnetotransport in Perovskite Nanocrystals. Advanced Materials, 2017, 29, 1604745.	21.0	21
105	Unveiling the electrochemical mechanisms of Li₂Fe(SO₄)₂ polymorphs by neutron diffraction and density functional theory calculations. Physical Chemistry Chemical Physics, 2016, 18, 14509-14519.	2.8	20
106	Flexible Ligandâ€Based Lanthanide Threeâ€Dimensional Metalâ€"Organic Frameworks with Tunable Solidâ€State Photoluminescence and OHâ€Solventâ€Sensing Properties. European Journal of Inorganic Chemistry, 2017, 2017, 2321-2331.	2.0	19
107	Synthesis, Structure, and Electrochemical Properties of Na3MB5O10 (M = Fe, Co) Containing M2+ in Tetrahedral Coordination. Inorganic Chemistry, 2016, 55, 12775-12782.	4.0	18
108	Synthesis, properties and uses of chromium-based pigments from the Manufacture de SÃ¨vres. Journal of Cultural Heritage, 2018, 30, 26-33.	3.3	18

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109	Anionic and Cationic Redox Processes in Î²-Li₂IrO₃ and Their Structural Implications on Electrochemical Cycling in a Li-Ion Cell. Journal of Physical Chemistry C, 2020, 124, 2771-2781.	3.1	17
110	An Oxysulfate Fe2O(SO4)2 Electrode for Sustainable Li-Based Batteries. Journal of the American Chemical Society, 2014, 136, 12658-12666.	13.7	16
111	Spectroscopic properties of $$hbox {Cr}^{3+}$$ Cr 3 + in the spinel solid solution $$hbox {ZnAl}_{2-x}hbox {Cr}_{x}hbox {O}_4$$ ZnAl 2 - x Cr x O 4. Physics and Chemistry of Minerals, 2016, 43, 33-42.	0.8	16
112	Selective Ethylene Production from CO₂ and CO Reduction via Engineering Membrane Electrode Assembly with Porous Dendritic Copper Oxide. ACS Applied Materials & Interfaces, 2022, 14, 31933-31941.	8.0	16
113	Spiral magnetic structure in the iron diarsenate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mtext>LiFe</mml:mtext><mml:msub><mml:mtext>As</mml A neutron diffraction study. Physical Review B, 2013, 88, .	3.2	15
114	Polymorphism in Li₄Zn(PO₄)₂ and Stabilization of its Structural Disorder to Improve Ionic Conductivity. Chemistry of Materials, 2018, 30, 1379-1390.	6.7	15
115	Electrostatic Interactions versus Second Order Jahnâ€"Teller Distortion as the Source of Structural Diversity in Li₃MO₄ Compounds (M = Ru, Nb, Sb and Ta). Chemistry of Materials, 2018, 30, 392-402.	6.7	15
116	Alkali-Glass Behavior in Honeycomb-Type Layered Li_{3â€"<i>x</i>}Na_{<i>x</i>}Ni₂SbO₆ Solid Solution. Inorganic Chemistry, 2019, 58, 11546-11552.	4.0	15
117	Electrochemical activity and high ionic conductivity of lithium copper pyroborate Li₆CuB₄O₁₀. Physical Chemistry Chemical Physics, 2016, 18, 14960-14969.	2.8	14
118	(NH₄)_{0.75}Fe(H₂O)₂[BP₂O₈]Â·0.25H₂O, a Fe³⁺/Fe²⁺ Mixed Valence Cathode Material for Na Battery Exhibiting a Helical Structure. Journal of Physical Chemistry C, 2015, 119, 4540-4549.	3.1	13
119	Structural Instability Driven by Li/Na Competition in Na(Li_{1/3}Ir_{2/3})O₂ Cathode Material for Li-Ion and Na-Ion Batteries. Inorganic Chemistry, 2019, 58, 15644-15651.	4.0	13
120	Crystallographic and magnetic structures of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LiV</mml:mi><mml:msub><mml:mi	3.2	13
121	Search for Li-electrochemical activity and Li-ion conductivity among lithium bismuth oxides. Solid State Ionics, 2015, 283, 68-74.	2.7	11
122	X-ray Crystal Structure Analysis and Ru Valence of Ba₄Ru₃O₁₀Single Crystals. Journal of the Physical Society of Japan, 2013, 82, 104603.	1.6	10
123	Influence of Temperature-Driven Polymorphism and Disorder on Ionic Conductivity in Li₆Zn(P₂O₇)₂. Inorganic Chemistry, 2019, 58, 1774-1781.	4.0	10
124	Magnetic Structures of Orthorhombic Li₂M(SO₄)₂ (M = Co, Fe) and Li_{<i>x</i>}Fe(SO₄)₂ (<i>x</i> = 1, 1.5) Phases. Inorganic Chemistry, 2016, 55, 11760-11769.	4.0	9
125	A Fully Ordered Triplite, LiCuSO₄F. Chemistry of Materials, 2016, 28, 1607-1610.	6.7	9
126	Electrochemical behavior of Bi₄B₂O₉towards lithium-reversible conversion reactions without nanosizing. Physical Chemistry Chemical Physics, 2018, 20, 2330-2338.	2.8	9

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127	Stacking Versatility in Alkali-Mixed Honeycomb Layered NaKNi₂TeO₆. Inorganic Chemistry, 2021, 60, 14310-14317.	4.0	9
128	Magnetic ordering in electrodeposited nanocrystalline chromium particles. Physical Review B, 2002, 66, .	3.2	8
129	Photoemission Fingerprints for Structural Identification of Titanium Dioxide Surfaces. Journal of Physical Chemistry Letters, 2016, 7, 3223-3228.	4.6	8
130	The stability of gahnite doped with chromium pigments in glazes from the French manufacture of SÃ¨vres. Journal of the American Ceramic Society, 2017, 100, 86-95.	3.8	8
131	Chemical Activity of the Peroxide/Oxide Redox Couple: Case Study of Ba₅Ru₂O₁₁ in Aqueous and Organic Solvents. Chemistry of Materials, 2018, 30, 3882-3893.	6.7	8
132	Polymorphism in Bi2(SO4)3. Solid State Sciences, 2014, 38, 25-29.	3.2	7
133	Oxalate-mediated long-range antiferromagnetism order in Fe2(C2O4)3Â·4H2O. Dalton Transactions, 2016, 45, 14311-14319.	3.3	7
134	Disorder-order phase transition at high pressure in ammonium fluoride. Physical Review B, 2017, 96, .	3.2	7
135	Expanding the Rich Crystal Chemistry of Ruthenium(V) Oxides via the Discovery of BaRu2O6, Ba5Ru4O15, Ba2Ru3O10, and Sr2Ru3O9(OH) by pH-Controlled Hydrothermal Synthesis. Chemistry of Materials, 2019, 31, 6295-6305.	6.7	7
136	Structural Polymorphism in Na₄Zn(PO₄)₂ Driven by Rotational Orderâ€"Disorder Transitions and the Impact of Heterovalent Substitutions on Na-Ion Conductivity. Inorganic Chemistry, 2020, 59, 6528-6540.	4.0	7
137	On a new FeOF polymorph: Synthesis and stability. Solid State Sciences, 2014, 38, 55-61.	3.2	6
138	Magnetic and Intercalation Properties of BaRu2O6 and SrRu2O6. Chemistry of Materials, 2020, 32, 8471-8480.	6.7	6
139	Layered Sodium Titanium Trichalcogenide Na₂TiCh₃ Framework (Ch = S, Se): A Rich Crystal and Electrochemical Chemistry. Chemistry of Materials, 2022, 34, 2382-2392.	6.7	6
140	Î³â€²-V₂O₅ Polymorph: A Genuine Zn Intercalation Material for Nonaqueous Rechargeable Batteries. Chemistry of Materials, 2022, 34, 1203-1212.	6.7	6
141	Thermodynamic Properties of Polymorphs of Fluorosulfate Based Cathode Materials with Exchangeable Potassium Ions. ChemPhysChem, 2016, 17, 3365-3368.	2.1	5
142	Long-range antiferromagnetic order in malonate-based compounds Na₂M(H₂C₃O₄)₂Â·2H₂O (M =) Tj ET Q q 0 0 0 rg BT /Overl	3.2	5
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