Gwenaelle Rousse

List of Publications by Year
in descending order

153 papers	10,961 citations	36203 51 h-index	31759 101 g-index
171 all docs	171 docs citations	171 times ranked	10252 citing authors

#	Article	IF	Citations
1	Layered Sodium Titanium Trichalcogenide Na₂TiCh₃ Framework (Ch = S, Se): A Rich Crystal and Electrochemical Chemistry. Chemistry of Materials, 2022, 34, 2382-2392.	3.2	6
2	Chemical Design of IrS₂ Polymorphs to Understand the Charge/Discharge Asymmetry in Anionic Redox Systems. Chemistry of Materials, 2022, 34, 325-336.	3.2	1
3	Î³â€²-V₂O₅ Polymorph: A Genuine Zn Intercalation Material for Nonaqueous Rechargeable Batteries. Chemistry of Materials, 2022, 34, 1203-1212.	3.2	6
4	Probing the Electrodeâ€“Electrolyte Interface of a Model K-Ion Battery Electrodeâ€"The Origin of Rate Capability Discrepancy between Aqueous and Non-Aqueous Electrolytes. ACS Applied Materials & Interfaces, 2022, 14, 20835-20847.	4.0	4
5	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.	4.0	16
6	Electron Precise Sodium Carbaboride Nanocrystals from Molten Salts: Single Sources to Boron Carbides. Inorganic Chemistry, 2021, 60, 4252-4260.	1.9	3
7	Unlocking anionic redox activity in O3-type sodium 3d layered oxides via Li substitution. Nature Materials, 2021, 20, 353-361.	13.3	155
8	Extending insertion electrochemistry to soluble layered halides with superconcentrated electrolytes. Nature Materials, 2021, 20, 1545-1550.	13.3	25
9	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	1.1	13
10	The Hidden Side of Nanoporous Î²â€Li₃PS₄ Solid Electrolyte. Advanced Energy Materials, 2021, 11, 2101111.	10.2	29
11	Synergistic Effect Between Ca 4 V 4 O 14 and Vanadiumâ€Substituted Hydroxyapatite in the Oxidative Dehydrogenation of Propane. ChemCatChem, 2021, 13, 3995-4009.	1.8	3
12	Activation of anionic redox in d0 transition metal chalcogenides by anion doping. Nature Communications, 2021, 12, 5485.	5.8	26
13	Stacking Versatility in Alkali-Mixed Honeycomb Layered NaKNi₂TeO₆. Inorganic Chemistry, 2021, 60, 14310-14317.	1.9	9
14	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.	6.6	75
15	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.	2.5	26
16	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.	1.5	17
17	High-Current-Density CO2-to-CO Electroreduction on Ag-Alloyed Zn Dendrites at Elevated Pressure. Joule, 2020, 4, 395-406.	11.7	88
18	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.	10.2	68

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19	Hydroxyapatites as Versatile Inorganic Hosts of Unusual Pentavalent Manganese Cations. Chemistry of Materials, 2020, 32, 10584-10593.	3.2	2
20	Magnetic and Intercalation Properties of BaRu2O6 and SrRu2O6. Chemistry of Materials, 2020, 32, 8471-8480.	3.2	6
21	Cation insertion to break the activity/stability relationship for highly active oxygen evolution reaction catalyst. Nature Communications, 2020, 11, 1378.	5.8	79
22	First Example of Protonation of Ruddlesdenâ€“Popper Sr₂IrO₄: A Route to Enhanced Water Oxidation Catalysts. Chemistry of Materials, 2020, 32, 3499-3509.	3.2	51
23	Structural evolution at the oxidative and reductive limits in the first electrochemical cycle of Li1.2Ni0.13Mn0.54Co0.13O2. Nature Communications, 2020, 11, 1252.	5.8	89
24	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.	3.2	74
25	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.	1.9	7
26	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.	10.2	122
27	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.	1.9	15
28	Revealing the Reactivity of the Iridium Trioxide Intermediate for the Oxygen Evolution Reaction in Acidic Media. Chemistry of Materials, 2019, 31, 5845-5855.	3.2	67
29	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.	3.2	7
30	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.	1.9	13
31	Exploring the bottlenecks of anionic redox in Li-rich layered sulfides. Nature Energy, 2019, 4, 977-987.	19.8	123
32	Higher energy and safer sodium ion batteries via an electrochemically made disordered Na3V2(PO4)2F3 material. Nature Communications, 2019, 10, 585.	5.8	207
33	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.	6.6	81
34	Synthesis and Electrochemical Activity of Some Na(Li)â€Rich Ruthenium Oxides with the Feasibility to Stabilize Ru⁶⁺. Advanced Energy Materials, 2019, 9, 1803674.	10.2	28
35	Influence of Temperature-Driven Polymorphism and Disorder on Ionic Conductivity in Li₆Zn(P₂O₇)₂. Inorganic Chemistry, 2019, 58, 1774-1781.	1.9	10
36	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.	3.6	49

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37	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.	1.9	39
38	Î²-Na_{1.7}IrO₃: A Tridimensional Na-Ion Insertion Material with a Redox Active Oxygen Network. Chemistry of Materials, 2018, 30, 3285-3293.	3.2	22
39	Polymorphism in Li₄Zn(PO₄)₂ and Stabilization of its Structural Disorder to Improve Ionic Conductivity. Chemistry of Materials, 2018, 30, 1379-1390.	3.2	15
40	Electrochemical behavior of Bi₄B₂O₉towards lithium-reversible conversion reactions without nanosizing. Physical Chemistry Chemical Physics, 2018, 20, 2330-2338.	1.3	9
41	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.	4.0	77
42	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.	3.2	15
43	Synthesis, properties and uses of chromium-based pigments from the Manufacture de SÃ¨vres. Journal of Cultural Heritage, 2018, 30, 26-33.	1.5	18
44	Reactivity of chromium-based pigments in a porcelain glaze. Comptes Rendus Physique, 2018, 19, 589-598.	0.3	3
45	Revealing pH-Dependent Activities and Surface Instabilities for Ni-Based Electrocatalysts during the Oxygen Evolution Reaction. ACS Energy Letters, 2018, 3, 2884-2890.	8.8	74
46	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.	3.2	25
47	Impact of Structural Polymorphism on Ionic Conductivity in Lithium Copper Pyroborate Li₆CuB₄O₁₀. Inorganic Chemistry, 2018, 57, 11646-11654.	1.9	5
48	Chemical Activity of the Peroxide/Oxide Redox Couple: Case Study of Ba₅Ru₂O₁₁ in Aqueous and Organic Solvents. Chemistry of Materials, 2018, 30, 3882-3893.	3.2	8
49	Electrochemical Reduction of CO₂ Catalyzed by Fe-N-C Materials: A Structureâ€“Selectivity Study. ACS Catalysis, 2017, 7, 1520-1525.	5.5	363
50	Synthesis, Structure, and Electrochemical Properties of K-Based Sulfates K₂M₂(SO₄)₃ with M = Fe and Cu. Inorganic Chemistry, 2017, 56, 2013-2021.	1.9	31
51	Evidence for anionic redox activity in a tridimensional-ordered Li-rich positive electrodeÂÎ²-Li2IrO3. Nature Materials, 2017, 16, 580-586.	13.3	290
52	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.	1.0	19
53	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.	3.2	42
54	A Dendritic Nanostructured Copper Oxide Electrocatalyst for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 4792-4796.	7.2	201

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55	A Dendritic Nanostructured Copper Oxide Electrocatalyst for the Oxygen Evolution Reaction. Angewandte Chemie, 2017, 129, 4870-4874.	1.6	41
56	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.	1.3	21
57	Surfaceâ€Driven Magnetotransport in Perovskite Nanocrystals. Advanced Materials, 2017, 29, 1604745.	11.1	21
58	Disorder-order phase transition at high pressure in ammonium fluoride. Physical Review B, 2017, 96, .	1.1	7
59	Denticity and Mobility of the Carbonate Groups in AMCO₃F Fluorocarbonates: A Study on KMnCO₃F and High Temperature KCaCO₃F Polymorph. Inorganic Chemistry, 2017, 56, 13132-13139.	1.9	2
60	Approaching the limits of cationic and anionic electrochemical activity with the Li-rich layered rocksalt Li3IrO4. Nature Energy, 2017, 2, 954-962.	19.8	138
61	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.	1.9	8
62	Porous dendritic copper: an electrocatalyst for highly selective CO₂ reduction to formate in water/ionic liquid electrolyte. Chemical Science, 2017, 8, 742-747.	3.7	128
63	The crystal structure of Rb₂Ti₂O₅. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 1142-1150.	0.5	5
64	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.	1.3	20
65	Electrochemical activity and high ionic conductivity of lithium copper pyroborate Li₆CuB₄O₁₀. Physical Chemistry Chemical Physics, 2016, 18, 14960-14969.	1.3	14
66	Thermodynamic Properties of Polymorphs of Fluorosulfate Based Cathode Materials with Exchangeable Potassium Ions. ChemPhysChem, 2016, 17, 3365-3368.	1.0	5
67	CO₂ Reduction to CO in Water: Carbon Nanotubeâ€“Gold Nanohybrid as a Selective and Efficient Electrocatalyst. ChemSusChem, 2016, 9, 2317-2320.	3.6	45
68	Photoemission Fingerprints for Structural Identification of Titanium Dioxide Surfaces. Journal of Physical Chemistry Letters, 2016, 7, 3223-3228.	2.1	8
69	A₂VO(SO₄)₂ (A = Li, Na) as Electrodes for Li-Ion and Na-Ion Batteries. Chemistry of Materials, 2016, 28, 6637-6643.	3.2	22
70	Oxalate-mediated long-range antiferromagnetism order in Fe2(C2O4)3Â·4H2O. Dalton Transactions, 2016, 45, 14311-14319.	1.6	7
71	Synthesis, Structure, and Electrochemical Properties of Na3MB5O10 (M = Fe, Co) Containing M2+ in Tetrahedral Coordination. Inorganic Chemistry, 2016, 55, 12775-12782.	1.9	18
72	Microsized Sn as Advanced Anodes in Glymeâ€Based Electrolyte for Naâ€Ion Batteries. Advanced Materials, 2016, 28, 9824-9830.	11.1	199

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73	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.	3.2	132
74	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.	1.9	9
75	Insertion compounds and composites made by ball milling for advanced sodium-ion batteries. Nature Communications, 2016, 7, 10308.	5.8	198
76	Long-range antiferromagnetic order in malonate-based compounds Na₂M(H₂C₃O₄)₂Â·2H₂O (M =) Tj ET Q q 0 0 0 rg BT /Overl	1.6	5
77	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.	1.7	28
78	A Fully Ordered Triplite, LiCuSO₄F. Chemistry of Materials, 2016, 28, 1607-1610.	3.2	9
79	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.	0.3	16
80	Search for Li-electrochemical activity and Li-ion conductivity among lithium bismuth oxides. Solid State Ionics, 2015, 283, 68-74.	1.3	11
81	Visualization of O-O peroxo-like dimers in high-capacity layered oxides for Li-ion batteries. Science, 2015, 350, 1516-1521.	6.0	659
82	(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.	1.5	13
83	Unraveling the Structure of Iron(III) Oxalate Tetrahydrate and Its Reversible Li Insertion Capability. Chemistry of Materials, 2015, 27, 1631-1639.	3.2	30
84	Novel Complex Stacking of Fully-Ordered Transition Metal Layers in Li₄FeSbO₆ Materials. Chemistry of Materials, 2015, 27, 1699-1708.	3.2	40
85	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.	5.2	32
86	Reversible Li-Intercalation through Oxygen Reactivity in Li-Rich Li-Fe-Te Oxide Materials. Journal of the Electrochemical Society, 2015, 162, A1341-A1351.	1.3	47
87	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.	3.2	31
88	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.	6.6	155
89	Taking steps forward in understanding the electrochemical behavior of Na₂Ti₃O₇. Journal of Materials Chemistry A, 2015, 3, 22280-22286.	5.2	51
90	Discovery of a Sodium-Ordered Form of Na₃V₂(PO₄)₃ below Ambient Temperature. Chemistry of Materials, 2015, 27, 5982-5987.	3.2	110

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91	Structural, electrochemical and magnetic properties of a novel KFeSO₄F polymorph. Journal of Materials Chemistry A, 2015, 3, 19754-19764.	5.2	36
92	Origin of voltage decay in high-capacity layered oxide electrodes. Nature Materials, 2015, 14, 230-238.	13.3	757
93	Structure and compressibility of the high-pressure molecular phase II of carbon dioxide. Physical Review B, 2014, 89, .	1.1	23
94	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 50 627 Td (xmlns:mml="http: xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn><	1.1	21
95	Sulfate-Based Polyanionic Compounds for Li-Ion Batteries: Synthesis, Crystal Chemistry, and Electrochemistry Aspects. Chemistry of Materials, 2014, 26, 394-406.	3.2	137
96	Preparation, structure and electrochemistry of LiFeBO₃: a cathode material for Li-ion batteries. Journal of Materials Chemistry A, 2014, 2, 2060-2070.	5.2	58
97	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.	5.2	80
98	On a new FeOF polymorph: Synthesis and stability. Solid State Sciences, 2014, 38, 55-61.	1.5	6
99	An Oxysulfate Fe2O(SO4)2 Electrode for Sustainable Li-Based Batteries. Journal of the American Chemical Society, 2014, 136, 12658-12666.	6.6	16
100	Chemical and Structural Indicators for Large Redox Potentials in Fe-Based Positive Electrode Materials. ACS Applied Materials & Interfaces, 2014, 6, 10832-10839.	4.0	50
101	Crystal Structures of Li₆B₄O₉ and Li₃B₁₁O₁₈ and Application of the Dimensional Reduction Formalism to Lithium Borates. Inorganic Chemistry, 2014, 53, 6034-6041.	1.9	39
102	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.	5.2	57
103	Synthesis and Electrochemical Performance of the Orthorhombic Li₂Fe(SO₄)₂ Polymorph for Li-Ion Batteries. Chemistry of Materials, 2014, 26, 4178-4189.	3.2	53
104	Lithium Migration Pathways and van der Waals Effects in the LiFeSO₄OH Battery Material. Chemistry of Materials, 2014, 26, 3672-3678.	3.2	26
105	Polymorphism in Bi2(SO4)3. Solid State Sciences, 2014, 38, 25-29.	1.5	7
106	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.	6.6	213
107	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.	1.9	50
108	Magnetic Structures of LiMBO₃ (M = Mn, Fe, Co) Lithiated Transition Metal Borates. Inorganic Chemistry, 2013, 52, 11966-11974.	1.9	38

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109	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, .	1.1	15
110	A low temperature TiP2O7 polymorph exhibiting reversible insertion of lithium and sodium ions. Journal of Materials Chemistry A, 2013, 1, 15284.	5.2	25
111	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.	6.6	72
112	Neutron Diffraction Study of the Li-Ion Battery Cathode Li₂FeP₂O₇. Inorganic Chemistry, 2013, 52, 3334-3341.	1.9	31
113	High Performance Li₂Ru_{1â€“<i>y</i>}Mn_{<i>y</i>}O₃ (0.2 â‰) Tj ETQq1 1 0.7843 Chemistry of Materials, 2013, 25, 1121-1131.	3.2	365
114	Titanium(III) Sulfate as New Negative Electrode for Sodium-Ion Batteries. Chemistry of Materials, 2013, 25, 2391-2393.	3.2	40
115	Rationalization of Intercalation Potential and Redox Mechanism for A₂Ti₃O₇ (A = Li, Na). Chemistry of Materials, 2013, 25, 4946-4956.	3.2	98
116	X-ray Crystal Structure Analysis and Ru Valence of Ba₄Ru₃O₁₀Single Crystals. Journal of the Physical Society of Japan, 2013, 82, 104603.	0.7	10
117	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.	6.6	49
118	Single-Step Synthesis of FeSO₄F_{1â€“<i>y</i>}OH_{<i>y</i>} (0 â‰ <i>y</i>) Tj ETQq0 0 0 rgBT /Ov	3.2	35
119	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.	15.6	58
120	Li2Fe(SO4)2 as a 3.83V positive electrode material. Electrochemistry Communications, 2012, 21, 77-80.	2.3	76
121	Preparation and Characterization of a Stable FeSO₄F-Based Framework for Alkali Ion Insertion Electrodes. Chemistry of Materials, 2012, 24, 4363-4370.	3.2	210
122	Synthesis and crystal chemistry of the NaMSO4F family (M=Mg, Fe, Co, Cu, Zn). Solid State Sciences, 2012, 14, 15-20.	1.5	60
123	Magnetic Structure and Properties of the Li-Ion Battery Materials FeSO₄F and LiFeSO₄F. Chemistry of Materials, 2011, 23, 2922-2930.	3.2	73
124	Na₂Ti₃O₇: Lowest Voltage Ever Reported Oxide Insertion Electrode for Sodium Ion Batteries. Chemistry of Materials, 2011, 23, 4109-4111.	3.2	742
125	A 3.90 V iron-based fluorosulphate material for lithium-ion batteries crystallizing in the triplite structure. Nature Materials, 2011, 10, 772-779.	13.3	301
126	Synthesis and electrochemical properties of pure LiFeSO4F in the triplite structure. Electrochemistry Communications, 2011, 13, 1280-1283.	2.3	85

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127	Structural and Electrochemical Diversity in LiFe_{1â^'<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.	7.2	39
128	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.	0.9	47
129	Ex situ NMR and neutron diffraction study of structure and lithium motion in LiMnN. Solid State Ionics, 2005, 176, 2205-2218.	1.3	52
130	Crystal Structure and Lithium Insertion Properties of Orthorhombic Li2TiFe(PO4)3 and Li2TiCr(PO4)3.. ChemInform, 2005, 36, no.	0.1	0
131	In situneutron diffraction studies of high density amorphous ice under pressure. Journal of Physics Condensed Matter, 2005, 17, S967-S974.	0.7	31
132	High density amorphous ices: Disordered water towards close packing. Journal of Chemical Physics, 2004, 121, 8430.	1.2	34
133	Crystal structure and lithium insertion properties of orthorhombic Li2TiFe(PO4)3 and Li2TiCr(PO4)3. Solid State Sciences, 2004, 6, 1113-1120.	1.5	24
134	MicroRaman spectroscopy on LiMn2O4: warnings on laser-induced thermal decomposition. Solid State Ionics, 2004, 170, 135-138.	1.3	44
135	Structural and Electrochemical Studies of Rhombohedral Na2TiM(PO4)3 and Li1.6Na0.4TiM(PO4)3 (M:) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	1
136	A comparative structural and electrochemical study of monoclinic Li3Fe2(PO4)3 and Li3V2(PO4)3. Journal of Power Sources, 2003, 119-121, 278-284.	4.0	203
137	Structural and Electrochemical Studies of Rhombohedral Na2TiM(PO4)3and Li1.6Na0.4TiM(PO4)3(M =) Tj ETQq1 1 0.784314 rgBT /Ove	3.2	89
138	Magnetic Structures of the Triphylite LiFePO4and of Its Delithiated Form FePO4. Chemistry of Materials, 2003, 15, 4082-4090.	3.2	309
139	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
140	The charge order transition and elastic/anelastic properties of LiMn2O4. Journal of Physics Condensed Matter, 2003, 15, 457-465.	0.7	26
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