Wei Kong Pang

List of Publications by Year
in descending order

132 papers	10,622 citations	28274 55 h-index	32842 100 g-index
133 all docs	133 docs citations	133 times ranked	9445 citing authors

#	Article	IF	Citations
1	Doping with W6+ ions enhances the performance of TiNb2O7 as an anode material for lithium-ion batteries. Applied Surface Science, 2022, 573, 151517.	6.1	25
2	In Operando Neutron Scattering Multipleâ€Scale Studies of Lithiumâ€Ion Batteries. Small, 2022, 18, e2107491.	10.0	11
3	Introducing 4<i>s</i>â€"2<i>p</i> Orbital Hybridization to Stabilize Spinel Oxide Cathodes for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
4	Introducing 4<i>s</i>â€"2<i>p</i> Orbital Hybridization to Stabilize Spinel Oxide Cathodes for Lithiumâ€Ion Batteries. Angewandte Chemie, 2022, 134, .	2.0	12
5	Manipulating the Solvation Structure of Nonflammable Electrolyte and Interface to Enable Unprecedented Stability of Graphite Anodes beyond 2 Years for Safe Potassiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2006313.	21.0	155
6	A Robust Coinâ€Cell Design for In Situ Synchrotronâ€based Xâ€Ray Powder Diffraction Analysis of Battery Materials. Batteries and Supercaps, 2021, 4, 380-384.	4.7	11
7	Constructing nitrided interfaces for stabilizing Li metal electrodes in liquid electrolytes. Chemical Science, 2021, 12, 8945-8966.	7.4	72
8	Oxygen vacancy promising highly reversible phase transition in layered cathodes for sodium-ion batteries. Nano Research, 2021, 14, 4100-4106.	10.4	29
9	Synchrotron Xâ€Ray Absorption Spectroscopy and Electrochemical Study of Bi₂O₂Se Electrode for Lithiumâ€/Potassiumâ€Ion Storage. Advanced Energy Materials, 2021, 11, 2100185.	19.5	29
10	Lithium Metal Electrode with Increased Air Stability and Robust Solid Electrolyte Interphase Realized by Silane Coupling Agent Modification. Advanced Materials, 2021, 33, e2008133.	21.0	122
11	In Situ Synchrotron Xâ€Ray Absorption Spectroscopy Studies of Anode Materials for Rechargeable Batteries. Batteries and Supercaps, 2021, 4, 1547-1566.	4.7	25
12	Polysulfide Filter and Dendrite Inhibitor: Highly Graphitized Wood Framework Inhibits Polysulfide Shuttle and Lithium Dendrites in Liâ€"S Batteries. Advanced Functional Materials, 2021, 31, 2102458.	14.9	42
13	Electron-Injection-Engineering Induced Phase Transition toward Stabilized 1T-MoS₂ with Extraordinary Sodium Storage Performance. ACS Nano, 2021, 15, 8896-8906.	14.6	77
14	Sodium-ion battery anodes from carbon depositions. Electrochimica Acta, 2021, 379, 138109.	5.2	6
15	Accelerated Polysulfide Redox in Binderâ€Free Li₂S Cathodes Promises Highâ€Energyâ€Density Lithiumâ€"Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2100957.	19.5	35
16	Constructing Layered Nanostructures from Nonâ€Layered Sulfide Crystals via Surface Charge Manipulation Strategy. Advanced Functional Materials, 2021, 31, 2101676.	14.9	20
17	Tuning the Electrolyte Solvation Structure to Suppress Cathode Dissolution, Water Reactivity, and Zn Dendrite Growth in Zincâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2104281.	14.9	225
18	Linking Macro- and Micro-structural Analysis with Luminescence Control in Oxynitride Phosphors for Light-Emitting Diodes. Chemistry of Materials, 2021, 33, 7897-7904.	6.7	8

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19	Crystallographicâ€Siteâ€Specific Structural Engineering Enables Extraordinary Electrochemical Performance of Highâ€Voltage LiNi_{0.5}Mn_{1.5}O₄ Spinel Cathodes for Lithiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2101413.	21.0	52
20	Bio-inspired design of an<i>in situ</i>multifunctional polymeric solidâ€"electrolyte interphase for Zn metal anode cycling at 30 mA cm^{â^'2}and 30 mA h cm^{â^'2}. Energy and Environmental Science, 2021, 14, 5947-5957.	30.8	289
21	Chromium Ion Pair Luminescence: A Strategy in Broadband Near-Infrared Light-Emitting Diode Design. Journal of the American Chemical Society, 2021, 143, 19058-19066.	13.7	125
22	Understanding Rechargeable Battery Function Using In Operando Neutron Powder Diffraction. Advanced Materials, 2020, 32, e1904528.	21.0	52
23	An Intrinsically Nonâ€flammable Electrolyte for Highâ€Performance Potassium Batteries. Angewandte Chemie - International Edition, 2020, 59, 3638-3644.	13.8	211
24	Monitoring the phase evolution in LiCoO₂ electrodes during battery cycles using inâ€situ neutron diffraction technique. Journal of the Chinese Chemical Society, 2020, 67, 344-352.	1.4	17
25	Coupling Topological Insulator SnSb₂Te₄ Nanodots with Highly Doped Graphene for Highâ€Rate Energy Storage. Advanced Materials, 2020, 32, e1905632.	21.0	78
26	Multi-Site Cation Control of Ultra-Broadband Near-Infrared Phosphors for Application in Light-Emitting Diodes. Inorganic Chemistry, 2020, 59, 15101-15110.	4.0	42
27	Synergy of binders and electrolytes in enabling microsized alloy anodes for high performance potassium-ion batteries. Nano Energy, 2020, 77, 105118.	16.0	82
28	A Long Cycleâ€Life Highâ€Voltage Spinel Lithiumâ€Ion Battery Electrode Achieved by Siteâ€Selective Doping. Angewandte Chemie - International Edition, 2020, 59, 10594-10602.	13.8	144
29	A Long Cycleâ€Life Highâ€Voltage Spinel Lithiumâ€Ion Battery Electrode Achieved by Siteâ€Selective Doping. Angewandte Chemie, 2020, 132, 10681-10689.	2.0	20
30	Phase Evolution and Intermittent Disorder in Electrochemically Lithiated Graphite Determined Using in Operando Neutron Diffraction. Chemistry of Materials, 2020, 32, 2518-2531.	6.7	67
31	Ultrathin Fewâ€Layer GeP Nanosheets via Lithiationâ€Assisted Chemical Exfoliation and Their Application in Sodium Storage. Advanced Energy Materials, 2020, 10, 1903826.	19.5	41
32	Eliminating Transition Metal Migration and Anionic Redox to Understand Voltage Hysteresis of Lithiumâ€Rich Layered Oxides. Advanced Energy Materials, 2020, 10, 1903634.	19.5	45
33	An Intrinsically Nonâ€flammable Electrolyte for Highâ€Performance Potassium Batteries. Angewandte Chemie, 2020, 132, 3667-3673.	2.0	16
34	Designing a hybrid electrode toward high energy density with a staged Li ⁺ and PF ₆ ^{â^'} deintercalation/intercalation mechanism. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2815-2823.	7.1	50
35	Dehydrationâ€Triggered Ionic Channel Engineering in Potassium Niobate for Li/Kâ€Ion Storage. Advanced Materials, 2020, 32, e2000380.	21.0	85
36	Developing high-voltage spinel LiNi_{0.5}Mn_{1.5}O₄ cathodes for high-energy-density lithium-ion batteries: current achievements and future prospects. Journal of Materials Chemistry A, 2020, 8, 15373-15398.	10.3	186

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37	Engineering Unique Ball-In-Ball Structured (Ni_{0.33}Co_{0.67})₉S₈@C Nanospheres for Advanced Sodium Storage. ACS Applied Materials & Interfaces, 2019, 11, 27805-27812.	8.0	22
38	A New Lithiumâ€Ion Conductor LiTaSiO₅: Theoretical Prediction, Materials Synthesis, and Ionic Conductivity. Advanced Functional Materials, 2019, 29, 1904232.	14.9	15
39	Interfacial Engineering of Nickel Boride/Metaborate and Its Effect on High Energy Density Asymmetric Supercapacitors. ACS Nano, 2019, 13, 9376-9385.	14.6	129
40	Insight of a Phase Compatible Surface Coating for Longâ€Durable Liâ€Rich Layered Oxide Cathode. Advanced Energy Materials, 2019, 9, 1901795.	19.5	129
41	Heterocarbides Reinforced Electrochemical Energy Storage. Small, 2019, 15, 1903652.	10.0	7
42	Solid Electrolytes: A New Lithiumâ€Ion Conductor LiTaSiO₅: Theoretical Prediction, Materials Synthesis, and Ionic Conductivity (Adv. Funct. Mater. 37/2019). Advanced Functional Materials, 2019, 29, 1970253.	14.9	4
43	Ultra-Broadband Phosphors Converted Near-Infrared Light Emitting Diode with Efficient Radiant Power for Spectroscopy Applications. ACS Photonics, 2019, 6, 3215-3224.	6.6	64
44	Insight into the improved cycling stability of sphere-nanorod-like micro-nanostructured high voltage spinel cathode for lithium-ion batteries. Nano Energy, 2019, 66, 104100.	16.0	38
45	Multiple Anionic Transition-Metal Oxycarbide for Better Lithium Storage and Facilitated Multielectron Reactions. ACS Nano, 2019, 13, 11665-11675.	14.6	28
46	Anion Vacancies Regulating Endows MoSSe with Fast and Stable Potassium Ion Storage. ACS Nano, 2019, 13, 11843-11852.	14.6	210
47	Toward Highâ€Performance Hybrid Znâ€Based Batteries via Deeply Understanding Their Mechanism and Using Electrolyte Additive. Advanced Functional Materials, 2019, 29, 1903605.	14.9	259
48	Hollow-Carbon-Templated Few-Layered V₅S₈ Nanosheets Enabling Ultrafast Potassium Storage and Long-Term Cycling. ACS Nano, 2019, 13, 7939-7948.	14.6	136
49	Structural Insight into Layer Gliding and Lattice Distortion in Layered Manganese Oxide Electrodes for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2019, 9, 1900568.	19.5	125
50	<i>In situ</i> incorporation of nanostructured antimony in an N-doped carbon matrix for advanced sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 12842-12850.	10.3	25
51	Li-Rich Layered Oxides and Their Practical Challenges: Recent Progress and Perspectives. Electrochemical Energy Reviews, 2019, 2, 277-311.	25.5	158
52	An efficient multi-doping strategy to enhance Li-ion conductivity in the garnet-type solid electrolyte Li₇La₃Zr₂O₁₂. Journal of Materials Chemistry A, 2019, 7, 8589-8601.	10.3	124
53	Constructing the best symmetric full K-ion battery with the NASICON-type K3V2(PO4)3. Nano Energy, 2019, 60, 432-439.	16.0	67
54	LiFePO₄ Particles Embedded in Fast Bifunctional Conductor rGO&C@Li₃V₂(PO₄)₃ Nanosheets as Cathodes for Highâ€Performance Liâ€Ion Hybrid Capacitors. Advanced Functional Materials, 2019, 29, 1807895.	14.9	42

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55	Structural Evolution and High-Voltage Structural Stability of Li(Ni_{<i>x</i>}Mn_{<i>y</i>}Co_{<i>z</i>})O₂Electrodes. Chemistry of Materials, 2019, 31, 376-386.	6.7	60
56	Hydrogen-Containing Na3HTi1â€“xMnxF8 Narrow-Band Phosphor for Light-Emitting Diodes. ACS Energy Letters, 2019, 4, 527-533.	17.4	16
57	Lanthanide doping induced electrochemical enhancement of Na₂Ti₃O₇ anodes for sodium-ion batteries. Chemical Science, 2018, 9, 3421-3425.	7.4	66
58	Boosting the Potassium Storage Performance of Alloyâ€Based Anode Materials via Electrolyte Salt Chemistry. Advanced Energy Materials, 2018, 8, 1703288.	19.5	382
59	Synthesis of hierarchical mesoporous lithium nickel cobalt manganese oxide spheres with high rate capability for lithium-ion batteries. Applied Surface Science, 2018, 428, 1036-1045.	6.1	15
60	The storage degradation of an 18650 commercial cell studied using neutron powder diffraction. Journal of Power Sources, 2018, 374, 31-39.	7.8	28
61	Effect of AlF3-Coated Li4Ti5O12 on the Performance and Function of the LiNi0.5Mn1.5O4||Li4Ti5O12 Full Batteryâ€"An in-operando Neutron Powder Diffraction Study. Frontiers in Energy Research, 2018, 6, .	2.3	12
62	Heterostructure Manipulation <i>via in Situ</i> Localized Phase Transformation for High-Rate and Highly Durable Lithium Ion Storage. ACS Nano, 2018, 12, 10430-10438.	14.6	138
63	Unraveling the effect of salt chemistry on long-durability high-phosphorus-concentration anode for potassium ion batteries. Nano Energy, 2018, 53, 967-974.	16.0	151
64	Boosting potassium-ion batteries by few-layered composite anodes prepared via solution-triggered one-step shear exfoliation. Nature Communications, 2018, 9, 3645.	12.8	204
65	Understanding High-Energy-Density Sn4P3 Anodes for Potassium-Ion Batteries. Joule, 2018, 2, 1534-1547.	24.0	468
66	Graphitic Carbon Nanocage as a Stable and High Power Anode for Potassiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1801149.	19.5	442
67	Creating fast ion conducting composites via in-situ introduction of titanium as oxygen getter. Nano Energy, 2018, 49, 549-554.	16.0	18
68	Plasmaâ€Induced Amorphous Shell and Deep Cationâ€Site S Doping Endow TiO₂ with Extraordinary Sodium Storage Performance. Advanced Materials, 2018, 30, e1801013.	21.0	180
69	In Situ Chelating Synthesis of Hierarchical LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ Polyhedron Assemblies with Ultralong Cycle Life for Liâ€Ion Batteries. Small, 2018, 14, e1704354.	10.0	27
70	Correlating cycling history with structural evolution in commercial 26650 batteries using in operando neutron powder diffraction. Journal of Power Sources, 2017, 343, 446-457.	7.8	20
71	Enhanced Rate-Capability and Cycling-Stability of 5 V SiO₂- and Polyimide-Coated Cation Ordered LiNi_{0.5}Mn_{1.5}O₄ Lithium-Ion Battery Positive Electrodes. Journal of Physical Chemistry C, 2017, 121, 3680-3689.	3.1	45
72	Atomic Interface Engineering and Electricâ€Field Effect in Ultrathin Bi₂MoO₆ Nanosheets for Superior Lithium Ion Storage. Advanced Materials, 2017, 29, 1700396.	21.0	343

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73	Li₂TiSiO₅: a low potential and large capacity Ti-based anode material for Li-ion batteries. Energy and Environmental Science, 2017, 10, 1456-1464.	30.8	93
74	Capacity Enhancement of the Quenched Li-Ni-Mn-Co Oxide High-voltage Li-ion Battery Positive Electrode. Electrochimica Acta, 2017, 236, 10-17.	5.2	15
75	Garnet-Type Fast Li-Ion Conductors with High Ionic Conductivities for All-Solid-State Batteries. ACS Applied Materials & Interfaces, 2017, 9, 12461-12468.	8.0	179
76	A new energy storage system: Rechargeable potassium-selenium battery. Nano Energy, 2017, 35, 36-43.	16.0	168
77	Large-scale synthesis of ternary Sn5SbP3/C composite by ball milling for superior stable sodium-ion battery anode. Electrochimica Acta, 2017, 235, 107-113.	5.2	45
78	Enhanced Structural Stability of Nickelâ€“Cobalt Hydroxide via Intrinsic Pillar Effect of Metaborate for High-Power and Long-Life Supercapacitor Electrodes. Nano Letters, 2017, 17, 429-436.	9.1	241
79	Gallium-Doped Li₇La₃Zr₂O₁₂ Garnet-Type Electrolytes with High Lithium-Ion Conductivity. ACS Applied Materials & Interfaces, 2017, 9, 1542-1552.	8.0	266
80	Controlling of Structural Ordering and Rigidity of Î²-SiAlON:Eu through Chemical Cosubstitution to Approach Narrow-Band-Emission for Light-Emitting Diodes Application. Chemistry of Materials, 2017, 29, 6781-6792.	6.7	57
81	Local Electric Field Facilitates High-Performance Li-Ion Batteries. ACS Nano, 2017, 11, 8519-8526.	14.6	155
82	Effects of Fluorine and Chromium Doping on the Performance of Lithium-Rich Li_{1+<i>x</i>}MO₂(M = Ni, Mn, Co) Positive Electrodes. Chemistry of Materials, 2017, 29, 10299-10311.	6.7	87
83	Voltammetric Enhancement of Li-Ion Conduction in Al-Doped Li_{7â€“<i>x</i>}La₃Zr₂O₁₂ Solid Electrolyte. Journal of Physical Chemistry C, 2017, 121, 15565-15573.	3.1	71
84	Real-time powder diffraction studies of energy materials under non-equilibrium conditions. IUCrJ, 2017, 4, 540-554.	2.2	36
85	Na₂Ti₆O₁₃ Nanorods with Dominant Large Interlayer Spacing Exposed Facet for Highâ€Performance Naâ€Ion Batteries. Small, 2016, 12, 2991-2997.	10.0	78
86	Super high-rate, long cycle life of europium-modified, carbon-coated, hierarchical mesoporous lithium-titanate anode materials for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 9949-9957.	10.3	86
87	Two-dimensional dysprosium-modified bamboo-slip-like lithium titanate with high-rate capability and long cycle life for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 17782-17790.	10.3	35
88	Simple in situ synthesis of carbon-supported and nanosheet-assembled vanadium oxide for ultra-high rate anode and cathode materials of lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 13907-13915.	10.3	49
89	The Origin of Capacity Fade in the Li₂MnO₃Â·Li<i>M</i>O₂ (<i>M</i>) Tj ETQq1 1 0.784314 rgB Transmission X-ray Microscopy Study. Journal of the American Chemical Society, 2016, 138, 8824-8833.	13.7	96
90	Crystallographic origin of cycle decay of the high-voltage LiNi_{0.5}Mn_{1.5}O₄ spinel lithium-ion battery electrode. Physical Chemistry Chemical Physics, 2016, 18, 17183-17189.	2.8	24

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91	The Unique Structural Evolution of the O3â€Phase Na_{2/3}Fe_{2/3}Mn_{1/3}O₂ during High Rate Charge/Discharge: A Sodiumâ€Centred Perspective. Advanced Functional Materials, 2015, 25, 4994-5005.	14.9	66
92	Inâ€...Situ Powder Diffraction Studies of Electrode Materials in Rechargeable Batteries. ChemSusChem, 2015, 8, 2826-2853.	6.8	59
93	The use of deuterated ethyl acetate in highly concentrated electrolyte as a low-cost solvent for in situ neutron diffraction measurements of Li-ion battery electrodes. Electrochimica Acta, 2015, 174, 417-423.	5.2	13
94	Self-Assembled Sandwich-like Vanadium Oxide/Graphene Mesoporous Composite as High-Capacity Anode Material for Lithium Ion Batteries. Inorganic Chemistry, 2015, 54, 11799-11806.	4.0	52
95	In-situ Neutron Diffraction Study of a High Voltage Li(Ni0.42Mn0.42Co0.16)O2/Graphite Pouch Cell. Electrochimica Acta, 2015, 180, 234-240.	5.2	39
96	Facile synthesis of LiMn2O4 octahedral nanoparticles as cathode materials for high capacity lithium ion batteries with long cycle life. Journal of Power Sources, 2015, 278, 574-581.	7.8	83
97	Solvothermal synthesis and electrochemical performance of hollow LiFePO4 nanoparticles. Journal of Alloys and Compounds, 2015, 640, 95-100.	5.5	31
98	Structural evolution of electrodes in the NCR and CGR cathode-containing commercial lithium-ion batteries cycled between 3.0 and 4.5 V: An operando neutron powder-diffraction study. Journal of Materials Research, 2015, 30, 373-380.	2.6	23
99	Interplay between Electrochemistry and Phase Evolution of the P2-type Na_{<i>x</i>}(Fe_{1/2}Mn_{1/2})O₂ Cathode for Use in Sodium-Ion Batteries. Chemistry of Materials, 2015, 27, 3150-3158.	6.7	121
100	A custom battery for<i>operando</i>neutron powder diffraction studies of electrode structure. Journal of Applied Crystallography, 2015, 48, 280-290.	4.5	33
101	Toward Understanding the Lithium Transport Mechanism in Garnet-type Solid Electrolytes: Li⁺ Ion Exchanges and Their Mobility at Octahedral/Tetrahedral Sites. Chemistry of Materials, 2015, 27, 6650-6659.	6.7	107
102	One-dimensional nanostructured design of Li_{1+x}(Mn_{1/3}Ni_{1/3}Fe_{1/3})O₂ as a dual cathode for lithium-ion and sodium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 250-257.	10.3	32
103	Understanding and improving the thermal stability of layered ternary carbides in ceramic matrix composites. , 2014, , 340-368.		11
104	Structure of the Li₄Ti₅O₁₂ anode during charge-discharge cycling. Powder Diffraction, 2014, 29, S59-S63.	0.2	13
105	Comparison of the so-called CGR and NCR cathodes in commercial lithium-ion batteries using <i>in situ</i> neutron powder diffraction. Powder Diffraction, 2014, 29, S35-S39.	0.2	32
106	Lithium Migration in Li₄Ti₅O₁₂ Studied Using in Situ Neutron Powder Diffraction. Chemistry of Materials, 2014, 26, 2318-2326.	6.7	99
107	Domination of Second-Sphere Shrinkage Effect To Improve Photoluminescence of Red Nitride Phosphors. Inorganic Chemistry, 2014, 53, 12822-12831.	4.0	23
108	Electrochemistry and structure of the cobalt-free Li_{1+x}MO₂(M = Li, Ni, Mn,) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.8	26

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109	Evidence of Solid-Solution Reaction upon Lithium Insertion into Cryptomelane K_{0.25}Mn₂O₄ Material. Journal of Physical Chemistry C, 2014, 118, 3976-3983.	3.1	35
110	Enhanced Sodium-Ion Battery Performance by Structural Phase Transition from Two-Dimensional Hexagonal-SnS₂ to Orthorhombic-SnS. ACS Nano, 2014, 8, 8323-8333.	14.6	592
111	In-situ neutron diffraction study of the simultaneous structural evolution of a LiNi0.5Mn1.5O4 cathode and a Li4Ti5O12 anode in a LiNi0.5Mn1.5O4||Li4Ti5O12 full cell. Journal of Power Sources, 2014, 246, 464-472.	7.8	70
112	High rate capability coreâ€“shell lithium titanate@ceria nanosphere anode material synthesized by one-pot co-precipitation for lithium-ion batteries. Journal of Power Sources, 2014, 257, 280-285.	7.8	50
113	Electrospun P2-type Na_{2/3}(Fe_{1/2}Mn_{1/2})O₂ Hierarchical Nanofibers as Cathode Material for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2014, 6, 8953-8958.	8.0	131
114	In Situ Neutron Powder Diffraction Using Custom-made Lithium-ion Batteries. Journal of Visualized Experiments, 2014, , e52284.	0.3	4
115	Preparation and characterization of Cr-doped LiMnO2 cathode materials by Pechini's method for lithium ion batteries. Materials Chemistry and Physics, 2013, 139, 241-246.	4.0	27
116	Effects of vanadium substitution on the cycling performance of olivine cathode materials. Journal of Power Sources, 2013, 241, 690-695.	7.8	18
117	Preparation and characterization of spinel LiNi0.5â^'xMgxMn1.5O4 cathode materials via spray pyrolysis method. Journal of Power Sources, 2013, 244, 35-42.	7.8	39
118	In-situ diffraction studies on the crystallization and crystal growth in anodized TiO2 nanofibres. Materials Letters, 2012, 87, 150-152.	2.6	15
119	Preparation and Characterization of Feâ€substituted Li₃V₂(PO₄)₃ Cathodes for Liâ€ion Batteries. Journal of the Chinese Chemical Society, 2012, 59, 1238-1243.	1.4	4
120	In situ diffraction study of thermal decomposition in Maxthal Ti2AlC. Journal of Alloys and Compounds, 2011, 509, 172-176.	5.5	51
121	High-temperature thermal stability of Ti2AlN and Ti4AlN3: A comparative diffraction study. Journal of the European Ceramic Society, 2011, 31, 159-166.	5.7	46
122	Characterisation of amorphous silica in air-oxidised Ti3SiC2 at 500â€“1000Â°C using secondary-ion mass spectrometry, nuclear magnetic resonance and transmission electron microscopy. Materials Chemistry and Physics, 2010, 121, 453-458.	4.0	8
123	In situ diffraction study on decomposition of Ti2AlN at 1500â€“1800Â°C in vacuum. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 137-142.	5.6	20
124	<i>In Situ</i> Highâ€Temperature Diffraction Study of the Thermal Dissociation of Ti₃AlC₂ in Vacuum. Journal of the American Ceramic Society, 2010, 93, 2871-2876.	3.8	58
125	DIFFRACTION STUDY ON THE THERMAL STABILITY OF Ti[sub 3]SiC[sub 2]â^•TiCâ^•TiSi[sub 2] COMPOSITES IN VACUUM. AIP Conference Proceedings, 2010, , .	0.4	1
126	Comparison of thermal stability in<i>MAX</i>211 and 312 phases. Journal of Physics: Conference Series, 2010, 251, 012025.	0.4	31

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127	Oxidation characteristics of Ti3AlC2 over the temperature range 500â€“900Â°C. Materials Chemistry and Physics, 2009, 117, 384-389.	4.0	25
128	Synthesis and Properties of Recycled Paper-Nano-Clay-Reinforced Epoxy Eco-Composites. Key Engineering Materials, 2007, 334-335, 609-612.	0.4	5
129	Physical and Mechanical Properties of Mullite-Whisker Reinforced Alumina Composites. Key Engineering Materials, 2007, 334-335, 325-328.	0.4	3
130	Mapping the Microstructureâ€“Property Relationships in Cortical Bone. Key Engineering Materials, 2006, 309-311, 523-526.	0.4	0
131	Detection of Amorphous Silica in Air-Oxidized Ti₃SiC₂ at 500â€“1000Â°C by NMR and SIMS. Key Engineering Materials, 0, 434-435, 169-172.	0.4	2
132	Thermal Stability of MAX Phases. Key Engineering Materials, 0, 617, 153-158.	0.4	14