Konrad Åwierczek

List of Publications by Year
in descending order

167	5,259	76326	110387
papers	citations	40 h-index	64 g-index

170	170	170	5845
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of Cu promotion effect on hydrotalcite-based nickel catalyst for CO2 methanation. Catalysis Today, 2022, 384-386, 133-145.	4.4	29
2	Evaluation of applicability of Nd- and Sm-substituted Y1-xRxMnO3+Î´ in temperature swing absorption for energy-related technologies. Energy, 2022, 239, 122429.	8.8	3
3	Surface engineering with ammonium niobium oxalate: A multifunctional strategy to enhance electrochemical performance and thermal stability of Ni-rich cathode materials at 4.5V cutoff potential. Electrochimica Acta, 2022, 403, 139636.	5.2	13
4	Defect chemistry and proton uptake of La2-xSrxNiO4Â±Î´ and La2-xBaxNiO4Â±Î´ Ruddlesden-Popper phases. Journal of Solid State Chemistry, 2022, 306, 122731.	2.9	9
5	Boosting CO2 reforming of methane via the metal-support interaction in mesostructured SBA-16-derived Ni nanoparticles. Applied Materials Today, 2022, 26, 101354.	4.3	5
6	A review on the critical challenges and progress of SiOx-based anodes for lithium-ion batteries. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 876-895.	4.9	17
7	Co-free triple perovskite La1.5Ba1.5Cu3O7Â±Î´ as a promising air electrode material for solid oxide fuel cells. Journal of Power Sources, 2022, 532, 231371.	7.8	10
8	Electrochemical performance and structural durability of Mg-doped SmBaMn2O5+Î´ layered perovskite electrode for symmetrical solid oxide fuel cell. Catalysis Today, 2021, 364, 80-88.	4.4	14
9	Mitigation of grain boundary resistance in La2/3-xLi3xTiO3 perovskite as an electrolyte for solid-state Li-ion batteries. Journal of Materials Science, 2021, 56, 2435-2450.	3.7	15
10	SrCe0.9In0.1O3-Î´-based reversible symmetrical Protonic Ceramic Cell. Materials Research Bulletin, 2021, 135, 111154.	5.2	5
11	Towards efficient oxygen separation from air: Influence of the mean rare-earth radius on thermodynamics and kinetics of reactivity with oxygen in hexagonal Y1-xRxMnO3+Î´. Acta Materialia, 2021, 205, 116544.	7.9	6
12	Micro/Nano Na₃V₂(PO₄)₃/N-Doped Carbon Composites with a Hierarchical Porous Structure for High-Rate Pouch-Type Sodium-Ion Full-Cell Performance. ACS Applied Materials & Interfaces, 2021, 13, 8445-8454.	8.0	51
13	Modification of Ruddlesden-Popper-type Nd2-xNi0.75Cu0.2M0.05O4Â±Î´ by the Nd-site cationic deficiency and doping with Sc, Ga or In: Crystal structure, oxygen content, transport properties and oxygen permeability. Journal of Solid State Chemistry, 2021, 296, 121982.	2.9	4
14	Mixed ionic-electronic transport in the high-entropy (Co,Cu,Mg,Ni,Zn)1-Li O oxides. Acta Materialia, 2021, 208, 116735.	7.9	25
15	Influence of Doping on the Transport Properties of Y1â^'xLnxMnO3+Î´ (Ln: Pr, Nd). Crystals, 2021, 11, 510.	2.2	5
16	Structure and transport properties of the novel (Dy,Er,Gd,Ho,Y)3Fe5O12 and (Dy,Gd,Ho,Sm,Y)3Fe5O12 high entropy garnets. Journal of the European Ceramic Society, 2021, 41, 3844-3849.	5.7	18
17	Efficient and Economically Favorable Co-Free Air Electrodes for Solid Oxide Cells. ECS Transactions, 2021, 103, 1497-1504.	0.5	0
18	Formation of Solid Solutions and Physicochemical Properties of the High-Entropy Ln1â^'xSrx(Co,Cr,Fe,Mn,Ni)O3â^'Î´ (Ln = La, Pr, Nd, Sm or Gd) Perovskites. Materials, 2021, 14, 5264.	2.9	11

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19	Defect structure and transport properties of (Co,Cr,Fe,Mn,Ni)3O4 spinel-structured high entropy oxide. Journal of the European Ceramic Society, 2020, 40, 835-839.	5.7	71
20	In-situ XRD investigations of FeAl intermetallic phase-based alloy oxidation. Corrosion Science, 2020, 164, 108344.	6.6	13
21	Formation and properties of high entropy oxides in Co-Cr-Fe-Mg-Mn-Ni-O system: Novel (Cr,Fe,Mg,Mn,Ni)3O4 and (Co,Cr,Fe,Mg,Mn)3O4 high entropy spinels. Journal of the European Ceramic Society, 2020, 40, 1644-1650.	5.7	86
22	Red phosphorus as self-template to hierarchical nanoporous nickel phosphides toward enhanced electrocatalytic activity for oxygen evolution reaction. Electrochimica Acta, 2020, 332, 135500.	5.2	20
23	A SmBaCo₂O_{5+Î´} double perovskite with epitaxially grown Sm_{0.2}Ce_{0.8}O_{2â^'Î´} nanoparticles as a promising cathode for solid oxide fuel cells. Journal of Materials Chemistry A, 2020, 8, 14162-14170.	10.3	25
24	Antimony substituted lanthanum orthoniobate proton conductor â€“ Structure and electronic properties. Journal of the American Ceramic Society, 2020, 103, 6575-6585.	3.8	6
25	High Cu content LaNi1-xCuxO3-Î´ perovskites as candidate air electrode materials for Reversible Solid Oxide Cells. International Journal of Hydrogen Energy, 2020, 45, 29449-29464.	7.1	7
26	Stabilizing fluorite structure in ceria-based high-entropy oxides: Influence of Mo addition on crystal structure and transport properties. Journal of the European Ceramic Society, 2020, 40, 5870-5881.	5.7	36
27	An innovative approach to design SOFC air electrode materials: high entropy La_{1â^'x}Sr_x(Co,Cr,Fe,Mn,Ni)O_{3â^'Î´}(x= 0, 0.1, 0.2, 0.3) perovskites synthesized by the solâ€“gel method. Journal of Materials Chemistry A, 2020, 8, 24455-24468.	10.3	80
28	Oxygen separation from air by the combined temperature swing and pressure swing processes using oxygen storage materials Y1â^'x(Tb/Ce)xMnO3+Î´. Journal of Materials Science, 2020, 55, 15653-15666.	3.7	10
29	Peculiar Properties of Electrochemically Oxidized SmBaCo2â^'xMnxO5+Î´ (x = 0; 0.5 and 1) A-Site Ordered Perovskites. Crystals, 2020, 10, 205.	2.2	4
30	Ruddlesden-Popper-type Nd2-xNi1-yCuyO4Â±Î´ layered oxides as candidate materials for MIEC-type ceramic membranes. Journal of the European Ceramic Society, 2020, 40, 4056-4066.	5.7	10
31	Insight into physicochemical properties of Nd₂CuO4Â±Î´ and the A-site cation deficient Nd1.9CuO4Â±Î´ layered oxides. Functional Materials Letters, 2020, 13, 2051034.	1.2	2
32	Selected Electrochemical Properties of 4,4â€™-((1E,1â€™E)-((1,2,4-Thiadiazole-3,5-diyl)bis(azaneylylidene))bis(methaneylylidene))bis(N,N-di-p-tolylaniline) towards Perovskite Solar Cells with 14.4% Efficiency. Materials, 2020, 13, 2440.	2.9	15
33	Indium doping in SrCeO3 proton-conducting perovskites. Journal of Solid State Chemistry, 2020, 284, 121210.	2.9	9
34	ReBaCo2-xMnxO5+Î´ (Re: rare earth element) layered perovskites for application as cathodes in Solid Oxide Fuel Cells. E3S Web of Conferences, 2019, 108, 01020.	0.5	5
35	Development of novel air electrode materials for the SOFC and SOEC technologies. E3S Web of Conferences, 2019, 108, 01019.	0.5	6
36	MIEC-type ceramic membranes for the oxygen separation technology. E3S Web of Conferences, 2019, 108, 01021.	0.5	3

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37	Mn-rich SmBaCo0.5Mn1.5O5+Î´ double perovskite cathode material for SOFCs. International Journal of Hydrogen Energy, 2019, 44, 27587-27599.	7.1	18
38	Reversible oxygen intercalation in hexagonal Y_{0.7}Tb_{0.3}MnO_{3+Î´}: toward oxygen production by temperature-swing absorption in air. Journal of Materials Chemistry A, 2019, 7, 2608-2618.	10.3	19
39	High-Performance SmBaMn₂O_{5+Î´} Electrode for Symmetrical Solid Oxide Fuel Cell. Chemistry of Materials, 2019, 31, 3784-3793.	6.7	88
40	Characterization of Sr-doped lithium lanthanum titanate with improved transport properties. Solid State Ionics, 2019, 336, 39-46.	2.7	20
41	Delicate lattice modulation enables superior Na storage performance of Na₃V₂(PO₄)₃ as both an anode and cathode material for sodium-ion batteries: understanding the role of calcium substitution for vanadium. Journal of Materials Chemistry A, 2019, 7, 9807-9814.	10.3	56
42	High-performance oxygen permeation membranes: Cobalt-free Ba0.975La0.025Fe1-Cu O3- ceramics. Journal of Materiomics, 2019, 5, 264-272.	5.7	15
43	Synthesis of aluminium titanate by means of isostructural heterogeneous nucleation. Journal of the European Ceramic Society, 2019, 39, 2535-2544.	5.7	16
44	Effective oxygen reduction on A-site substituted LaCuO_{3â^Î´}: toward air electrodes for SOFCs based on perovskite-type copper oxides. Journal of Materials Chemistry A, 2019, 7, 27403-27416.	10.3	9
45	A new family of Cu-doped lanthanum silicate apatites as electrolyte materials for SOFCs: Synthesis, structural and electrical properties. Journal of the European Ceramic Society, 2019, 39, 424-431.	5.7	16
46	Versatile Application of Redox Processes for REBaCoMnO_{5+Î´} (RE: La, Pr, Nd, Sm, Gd, and Y) Oxides. Journal of Physical Chemistry C, 2019, 123, 48-61.	3.1	10
47	Impact of the synthesis parameters on the microstructure of nano-structured LTO prepared by glycothermal routes and 7Li NMR structural investigations. Journal of Sol-Gel Science and Technology, 2019, 89, 225-233.	2.4	4
48	Lithiumâ€Ion Batteries: Carbonâ€Sheathed MoS₂ Nanothorns Epitaxially Grown on CNTs: Electrochemical Application for Highly Stable and Ultrafast Lithium Storage (Adv. Energy Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	19.5	3
49	A-site nonstoichiometry and B-site doping with selected M3+ cations in La2-xCu1-y-zNiyMzO4-Î´ layered oxides. Solid State Ionics, 2018, 317, 26-31.	2.7	11
50	Exceptionally High Performance Anode Material Based on Lattice Structure Decorated Double Perovskite Sr₂FeMo_{2/3}Mg_{1/3}O_{6â^'}_{Î´} for Solid Oxide Fuel Cells. Advanced Energy Materials, 2018, 8, 1800062.	19.5	62
51	Structural transformations, water incorporation and transport properties of tin-substituted barium indate. Journal of Solid State Chemistry, 2018, 262, 58-67.	2.9	5
52	Anisotropy of thermal expansion of 3Y-TZP, Î±-Al 2 O 3 and composites from 3Y-TZP/Î±-Al 2 O 3 system. Archives of Civil and Mechanical Engineering, 2018, 18, 188-197.	3.8	23
53	Carbonâ€Sheathed MoS₂ Nanothorns Epitaxially Grown on CNTs: Electrochemical Application for Highly Stable and Ultrafast Lithium Storage. Advanced Energy Materials, 2018, 8, 1700174.	19.5	141
54	Improvement of oxygen storage properties of hexagonal YMnO3+Î´ by microstructural modifications. Journal of Solid State Chemistry, 2018, 258, 471-476.	2.9	15

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55	Overcoming transport and electrochemical limitations in the high-voltage Na0.67Ni0.33Mn0.67-yTiyO2 (0 â‰¤ y â‰¤ 0.33) cathode materials by Ti-doping. Journal of Power Sources, 2018, 404, 39-46.	7.8	16
56	Unveiling the effects of A-site substitutions on the oxygen ion migration in A_{2â^'x}Aâ€²_xNiO_{4+Î´} by first principles calculations. Physical Chemistry Chemical Physics, 2018, 20, 21685-21692.	2.8	12
57	Crystal Structure, Hydration, and Two-Fold/Single-Fold Diffusion Kinetics in Proton-Conducting Ba0.9La0.1Zr0.25Sn0.25In0.5O3â^'a Oxide. Crystals, 2018, 8, 136.	2.2	5
58	Assessment of layered La2-x(Sr,Ba)xCuO4-Î´ oxides as potential cathode materials for SOFCs. International Journal of Hydrogen Energy, 2018, 43, 15492-15504.	7.1	29
59	Novel ReBaCo_{1.5}Mn_{0.5}O_{5+Î´} (Re: La, Pr, Nd, Sm, Gd and Y) perovskite oxide: influence of manganese doping on the crystal structure, oxygen nonstoichiometry, thermal expansion, transport properties, and application as a cathode material in solid oxide fuel cells. Journal of Materials Chemistry A, 2018, 6, 13271-13285.	10.3	30
60	Possibility of determination of transport coefficients D and k from relaxation experiments for sphere-shaped powder samples. Solid State Ionics, 2018, 323, 157-165.	2.7	6
61	Computational and experimental understanding of Al-doped Na3V2-xAlx(PO4)3 cathode material for sodium ion batteries: Electronic structure, ion dynamics and electrochemical properties. Electrochimica Acta, 2018, 282, 510-519.	5.2	60
62	Synthesis of core-shell-like ZnS/C nanocomposite as improved anode material for lithium ion batteries. Electrochimica Acta, 2017, 228, 100-106.	5.2	95
63	Status report on high temperature fuel cells in Poland â€“ Recent advances and achievements. International Journal of Hydrogen Energy, 2017, 42, 4366-4403.	7.1	55
64	MoS2 nanosheets vertically grown on reduced graphene oxide via oxygen bonds with carbon coating as ultrafast sodium ion batteries anodes. Carbon, 2017, 119, 91-100.	10.3	120
65	Optimization of proton conductors for application in solid oxide fuel cell technology. E3S Web of Conferences, 2017, 14, 01044.	0.5	4
66	Hierarchically structured lithium titanate for ultrafast charging in long-life high capacity batteries. Nature Communications, 2017, 8, 15636.	12.8	117
67	Structure and transport properties of proton-conducting BaSn 0.5 In 0.5 O 2.75 and A-site substituted Ba 0.9 Ln 0.1 Sn 0.5 In 0.5 O 2.8 (Ln = La, Gd) oxides. Solid State Ionics, 2017, 307, 44-50.	2.7	9
68	Effective calcium doping at the B-site of BaFeO_{3â^'Î´} perovskite: towards low-cost and high-performance oxygen permeation membranes. Journal of Materials Chemistry A, 2017, 5, 7999-8009.	10.3	53
69	Oxygen release from BaLnMn2O6 (Ln: Pr, Nd, Y) under reducing conditions as studied by neutron diffraction. Journal of Materials Science, 2017, 52, 6476-6485.	3.7	13
70	Core-shell structured ZnS-C nanoparticles with enhanced electrochemical properties for high-performance lithium-ion battery anodes. Electrochimica Acta, 2017, 225, 129-136.	5.2	74
71	Operando XRD studies as a tool for determination of transport parameters of mobile ions in electrode materials. Journal of Power Sources, 2017, 369, 1-5.	7.8	1
72	The effects of PbZn1/3Nb2/3O3-doping on structural, thermal, optical, dielectric, and ferroelectric properties of BaTiO3 ceramics. Journal of Applied Physics, 2017, 122, 124105.	2.5	3

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73	(101) Plane-Oriented SnS₂ Nanoplates with Carbon Coating: A High-Rate and Cycle-Stable Anode Material for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 35880-35887.	8.0	46
74	Photosensitization of TiO2 P25 with CdS Nanoparticles for Photocatalytic Applications. Archives of Metallurgy and Materials, 2017, 62, 841-849.	0.6	5
75	Oxygen storage properties of hexagonal HoMnO_{3+Î´}. Physical Chemistry Chemical Physics, 2017, 19, 19243-19251.	2.8	18
76	Effective Ca-doping in Y_{1â^'x}Ca_xBaCo₂O_{5+Î´} cathode materials for intermediate temperature solid oxide fuel cells. Journal of Materials Chemistry A, 2017, 5, 25641-25651.	10.3	29
77	Electrical transport in low-lead (1â^'x)BaTiO3â€“xPbMg1/3Nb2/3O3 ceramics. Journal of Advanced Ceramics, 2017, 6, 207-219.	17.4	7
78	High performance Ni3S2/Ni film with three dimensional porous architecture as binder-free anode for lithium ion batteries. Electrochimica Acta, 2016, 211, 761-767.	5.2	28
79	Correlation between transport properties and lithium extraction/insertion mechanism in Fe-site substituted phosphoolivine. Solid State Ionics, 2016, 288, 184-192.	2.7	7
80	Synthesis and preliminary study of La4BaCu5O13+Î´ and La6.4Sr1.6Cu8O20Â±Î´ ordered perovskites as SOFC/PCFC electrode materials. Solid State Ionics, 2016, 288, 68-75.	2.7	14
81	Evaluation of La 2 Ni 0.5 Cu 0.5 O 4+Î´ and Pr 2 Ni 0.5 Cu 0.5 O 4+Î´ Ruddlesden-Popper-type layered oxides as cathode materials for solid oxide fuel cells. Materials Research Bulletin, 2016, 84, 259-266.	5.2	23
82	MoS₂ Nanosheets Vertically Grown on Graphene Sheets for Lithium-Ion Battery Anodes. ACS Nano, 2016, 10, 8526-8535.	14.6	447
83	High-Performance Anode Material Sr₂FeMo_{0.65}Ni_{0.35}O_{6â^'Î´} with In Situ Exsolved Nanoparticle Catalyst. ACS Nano, 2016, 10, 8660-8669.	14.6	287
84	Enhancement of the oxygen storage properties of BaPrMn2O5+Î´ and BaSmMn2O5+Î´ oxides by a high-energy milling. Solid State Ionics, 2016, 298, 66-72.	2.7	14
85	Structural properties and presence of protons in Ba0.9Gd0.1Zr1â^'xâ^'ySn_xIn_yO3â^'(yâ^'0.1)â•2 perovskites. Functional Materials Letters, 2016, 09, 1641005.	1.2	2
86	A- and B-site doping effect on physicochemical properties of Sr2â^'xBa_xMMoO₆ (M = Mg, Mn, Fe) double perovskitesÂâ€" candidate anode materials for SOFCs. Functional Materials Letters, 2016, 09, 1641002.	1.2	7
87	Novel cobalt-free BaFe_{1â^'x}Gd_xO_{3â^'Î´} perovskite membranes for oxygen separation. Journal of Materials Chemistry A, 2016, 4, 10454-10466.	10.3	72
88	Synthesis and preliminary study of the double perovskite NdBaMn2O5+Î´ as symmetric SOFC electrode material. Solid State Ionics, 2016, 288, 61-67.	2.7	30
89	Oxygen storage properties and catalytic activity of layer-ordered perovskites BaY1â^'Gd Mn2O5+. Solid State Ionics, 2016, 288, 43-47.	2.7	12
90	Evaluation of W-containing Sr1â^'Ba Fe0.75W0.25O3â€“ (x= 0, 0.5, 1) anode materials for solid oxide fuel cells. Solid State Ionics, 2016, 288, 124-129.	2.7	10

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91	Design and synthesis of a 3-D hierarchical molybdenum dioxide/nickel/carbon structured composite with superior cycling performance for lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 605-611.	10.3	30
92	Investigation of In-doped BaFeO_{3â^'Î´}perovskite-type oxygen permeable membranes. Journal of Materials Chemistry A, 2015, 3, 6202-6214.	10.3	68
93	PbMg1/3Nb2/3O3-doping effects on structural, thermal, Raman, dielectric and ferroelectric properties of BaTiO3 ceramics. Journal of the European Ceramic Society, 2015, 35, 1777-1783.	5.7	19
94	Chemical diffusion and surface exchange in selected Lnâ€“Baâ€“Srâ€“Coâ€“Fe perovskite-type oxides. Journal of Alloys and Compounds, 2015, 645, S357-S360.	5.5	7
95	Electrochemical properties of Ti49Zr26Ni25â^'Pd (x= 0â€“6) quasicrystal electrodes produced by mechanical alloying. Journal of Alloys and Compounds, 2015, 645, S152-S154.	5.5	17
96	Grain-size-dependent gas-sensing properties of TiO2 nanomaterials. Sensors and Actuators B: Chemical, 2015, 211, 67-76.	7.8	44
97	Crystal structure and oxygen storage properties of BaLnMn2O5+Î´ (Ln: Pr, Nd, Sm, Gd, Dy, Er and Y) oxides. Materials Research Bulletin, 2015, 65, 116-122.	5.2	38
98	Electronic origin of difference in discharge curve between LixCoO2 and NaxCoO2 cathodes. Solid State Ionics, 2015, 271, 15-27.	2.7	20
99	Hydrogen desorption properties of magnesium hydride catalyzed multiply with carbon and silicon. Journal of Alloys and Compounds, 2015, 645, S80-S83.	5.5	8
100	Structural and electrochemical properties of Na0.72CoO2 as cathode material for sodium-ion batteries. Journal of Solid State Electrochemistry, 2015, 19, 3605-3612.	2.5	11
101	Carbon Deposition and Sulfur Poisoning in SrFe_{0.75}Mo_{0.25}O_{3-Î´}and SrFe_{0.5}Mn_{0.25}Mo_{0.25}O_{3-Î´}Electrode Materials for Symmetrical SOFCs. Journal of the Electrochemical Society, 2015, 162, F1078-F1087.	2.9	52
102	Structure and oxygen permeability of BaCo0.7Fe0.3â^'In O3â^' ceramic membranes. Journal of Membrane Science, 2015, 492, 559-567.	8.2	15
103	HREM observation and high-pressure composition isotherm measurement of Ti45Zr38Ni17 quasicrystal powders synthesized by mechanical alloying. Journal of Alloys and Compounds, 2015, 645, S292-S294.	5.5	6
104	Electrochemical properties of mechanochemically synthesized CoSn2-C nanocomposite-type anode material for Li-ion batteries. Solid State Ionics, 2015, 269, 86-92.	2.7	18
105	Crystal structure and proton conductivity in highly oxygen-deficient Ba1â^'xLax(In,Zr,Sn)O3â^'Î´ perovskites. Solid State Ionics, 2015, 275, 58-61.	2.7	12
106	Improvement of silicon-based electrode for Li-ion batteries by formation of Si-TiB2-C nanocomposites. Solid State Ionics, 2015, 281, 60-67.	2.7	3
107	Facile synthesis of MoO3/carbon nanobelts as high-performance anode material for lithium ion batteries. Electrochimica Acta, 2015, 180, 947-956.	5.2	96
108	Evidence for Al doping in lithium sublattice of LiFePO4. Solid State Ionics, 2015, 270, 33-38.	2.7	36

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109	Characterization of the physicochemical properties of novel SnS2 with cubic structure and diamond-like Sn sublattice. Acta Materialia, 2015, 82, 212-223.	7.9	20
110	Oxygen storage-related properties of substituted BaLnMn₂O_{5+Î´} A-site ordered manganites. Functional Materials Letters, 2014, 07, 1440004.	1.2	10
111	Cation-ordered perovskite-type anode and cathode materials for solid oxide fuel cells. Solid State Ionics, 2014, 262, 354-358.	2.7	21
112	Sodium intercalation in Na CoO2â^' â€" Correlation between crystal structure, oxygen nonstoichiometry and electrochemical properties. Solid State Ionics, 2014, 262, 206-210.	2.7	23
113	Evaluation of BaY1â^'Pr Mn2O5+Î´ oxides for oxygen storage technology. Solid State Ionics, 2014, 262, 659-663.	2.7	18
114	Rock salt ordered-type double perovskite anode materials for solid oxide fuel cells. Solid State Ionics, 2014, 257, 9-16.	2.7	29
115	Effect of ionic size of dopants on the lattice structure, electrical and electrochemical properties of La2â^'xMxNiO4+Î´ (MÂ=ÂBa, Sr) cathode materials. International Journal of Hydrogen Energy, 2014, 39, 1023-1029.	7.1	49
116	Structural and transport properties of Li1+xV1â^'xO2 anode materials for Li-ion batteries. Solid State Ionics, 2014, 262, 124-127.	2.7	11
117	Correlation between crystal and transport properties in LnBa0.5Sr0.5Co1.5Fe0.5O5+Î´ (Ln - selected) Tj ETQq1 1 0.784314 rgBT /Ove	2.7	7
118	Anomaly in the electronic structure of the NaxCoO2â^'y cathode as a source of its step-like discharge curve. Physical Chemistry Chemical Physics, 2014, 16, 14845.	2.8	24
119	Evaluation of La_{0.3}Sr_{0.7}Ti_{1â^'x}Co_xO₃ as a potential cathode material for solid oxide fuel cells. Journal of Materials Chemistry A, 2014, 2, 10290-10299.	10.3	46
120	Coking Study in Anode Materials for SOFCs: Physicochemical Properties and Behavior of Mo-Containing Perovskites in CO and CH₄ Fuels. ECS Transactions, 2014, 64, 103-116.	0.5	5
121	Physicochemical properties of rock salt-type ordered Sr2MMoO6 (M=Mg, Mn, Fe, Co, Ni) double perovskites. Journal of the European Ceramic Society, 2014, 34, 4273-4284.	5.7	49
122	Oxygen storage capability in Co- and Fe-containing perovskite-type oxides. Solid State Ionics, 2014, 257, 23-28.	2.7	9
123	The nature of the nonmetalâ€"metal transition in LixCoO2 oxide. Solid State Ionics, 2014, 263, 110-118.	2.7	56
124	Lattice structure, sintering behavior and electrochemical performance of La1.7Ca0.3Ni1â^'xCuxO4+Î´ as cathode material for intermediate-temperature solid oxide fuel cell. Journal of Power Sources, 2013, 240, 759-765.	7.8	31
125	Optimization of Transport Properties of A-Site Ordered LnBa_{1-x}Sr_xCo_{2-y}Fe_yO_{5+Î´} Perovskite-Type Cathode Materials. ECS Transactions, 2013, 57, 1993-2001.	0.5	8
126	Electrochemical performance of Pr1â^'xYxBaCo2O5+Î´ layered perovskites as cathode materials for intermediate-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2013, 38, 16365-16372.	7.1	41

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127	Toward elucidation of delithiation mechanism of zinc-substituted LiFePO4. Electrochimica Acta, 2013, 92, 79-86.	5.2	17
128	Electrochemical properties of chemically modified phosphoolivines as cathode materials for Li-ion batteries. Journal of Power Sources, 2013, 244, 565-569.	7.8	8
129	Effect of mechanical milling on electrochemical properties of Ti45Zr38xNi17+x (x=0, 8) quasicrystals produced by rapid-quenching. Journal of Alloys and Compounds, 2013, 580, S238-S242.	5.5	14
130	TiO2â€“SnO2 nanomaterials for gas sensing and photocatalysis. Journal of the European Ceramic Society, 2013, 33, 2285-2290.	5.7	75
131	Strategies for Perspective Cathode Materials for ITâ€“SOFC. Green Energy and Technology, 2013, , 47-69.	0.6	0
132	Synthesis, crystal structure and electrical properties of A-site cation ordered BaErMn2O5 and BaErMn2O6. Journal of Solid State Chemistry, 2013, 203, 68-73.	2.9	23
133	Characterization of novel GdBa0.5Sr0.5Co2âˆ’xFexO5+Î´ perovskites for application in IT-SOFC cells. International Journal of Hydrogen Energy, 2013, 38, 1027-1038.	7.1	53
134	Structural, Transport and Electrochemical Properties of LiFePO4 Substituted in Lithium and Iron Sublattices (Al, Zr, W, Mn, Co and Ni). Materials, 2013, 6, 1656-1687.	2.9	56
135	Nd-doped Ba(Ce,Zr)O3âˆ’Î´ proton conductors for application in conversion of CO2 into liquid fuels. Solid State Ionics, 2012, 225, 297-303.	2.7	27
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