Duncan P Fagg

List of Publications by Year
in descending order

153	3,727	117571	182361
papers	citations	34	51
		h-index	g-index

153	153	153	2796
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive review of NOx and N2O mitigation from industrial streams. Renewable and Sustainable Energy Reviews, 2022, 155, 111916.	8.2	24
2	Spinel ferrite MFe2O4 (MÂ=ÂNi, Co, or Cu) nanoparticles prepared by a proteic sol-gel route for oxygen evolution reaction. Advanced Powder Technology, 2022, 33, 103391.	2.0	17
3	Anatase titania as magnesium host in Mg ion rechargeable battery with magnesium perchlorate/ethylmagnesium bromide electrolytes. Journal of Materials Science, 2022, 57, 8442-8454.	1.7	3
4	Processing and characterisation of BaZr_{0.8}Y_{0.2}O_{3â^'Î´} proton conductor densified at 1200 Â°C. Journal of Materials Chemistry A, 2022, 10, 4428-4439.	5.2	7
5	Tuning chemical and surface composition of nickel cobaltite-based nanocomposites through solvent and its impact on electrocatalytic activity for oxygen evolution. Journal of Materials Science, 2022, 57, 5097-5117.	1.7	3
6	The effects of polarisation on the performance of the Ba2Co9O14â€“Ce0.8Gd0.2O2- composite electrode for fuel cells and electrolysers. International Journal of Hydrogen Energy, 2022, 47, 11270-11278.	3.8	5
7	Tailoring the anion stoichiometry and oxidation kinetics of vanadium (oxy)nitride by the control of ammonolysis conditions. Journal of Materials Chemistry C, 2022, 10, 5608-5620.	2.7	9
8	A high-performance oxygen electrode for solid oxide cells: Compositional optimisation of barium cobaltite-based composites. Journal of Alloys and Compounds, 2022, 906, 164382.	2.8	6
9	Active catalytic species generated in situ in zirconia incorporated hydrogen storage material magnesium hydride. Journal of Magnesium and Alloys, 2022, 10, 786-796.	5.5	18
10	Changing the oxygen reaction mechanism in composite electrodes by the addition of ionic- or ambipolar-conducting phases: Series or parallel pathways. Electrochimica Acta, 2022, 418, 140383.	2.6	4
11	Solid oxide cells (SOCs) in heterogeneous catalysis. , 2022, , 427-438.		0
12	Electrocatalytic oxygen reduction and evolution reactions in solid oxide cells (SOCs): A brief review. , 2022, , 439-456.		1
13	Boosted electrochemical performance of caâ€cobaltiteâ€based composite electrodes for reversible solid oxide cells. International Journal of Energy Research, 2022, 46, 22070-22077.	2.2	3
14	Interaction of zirconia with magnesium hydride and its influence on the hydrogen storage behavior of magnesium hydride. International Journal of Hydrogen Energy, 2022, 47, 21760-21771.	3.8	8
15	Fe0.5Co0.5-Co1.15Fe1.15O4/carbon composite nanofibers prepared by solution blow spinning: Structure, morphology, MÃ¶ssbauer spectroscopy, and application as catalysts for electrochemical water oxidation. International Journal of Hydrogen Energy, 2022, 47, 25266-25279.	3.8	6
16	Toward improved chemical stability of yttriumâ€doped barium cerate by the introduction of nickel oxide. Journal of the American Ceramic Society, 2022, 105, 6271-6283.	1.9	6
17	Tailoring the properties of dense yttriumâ€doped barium zirconate ceramics with nickel oxide additives by manipulation of the sintering profile. International Journal of Energy Research, 2022, 46, 21989-22000.	2.2	5
18	Elucidating Evidence for the In Situ Reduction of Graphene Oxide by Magnesium Hydride and the Consequence of Reduction on Hydrogen Storage. Catalysts, 2022, 12, 735.	1.6	6

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19	DFRTtoEIS: An easy approach to verify the consistency of a DFRT generated from an impedance spectrum. Electrochimica Acta, 2021, 366, 137429.	2.6	15
20	La4Ni3O10Â±Î´ â€“ BaCe0.9Y0.1O3-Î´ cathodes for proton ceramic fuel cells; short-circuiting analysis using BaCe0.9Y0.1O3-Î´ symmetric cells. International Journal of Hydrogen Energy, 2021, 46, 13594-13605.	3.8	13
21	Mechanochemical processing of BaZr1â^'YyO3â^' (yÂ=Â0.15, 0.20) protonic ceramic electrolytes: Phase purity, microstructure, electrical properties and comparison with other preparation routes. International Journal of Hydrogen Energy, 2021, 46, 13606-13621.	3.8	12
22	Nonwoven Niâ€“NiO/carbon fibers for electrochemical water oxidation. International Journal of Hydrogen Energy, 2021, 46, 3798-3810.	3.8	28
23	Polarisation mechanism of the misfit Ca-cobaltite electrode for reversible solid oxide cells. Electrochimica Acta, 2021, 373, 137928.	2.6	19
24	Analysis of La4Ni3O10Â±Î´-BaCe0.9Y0.1O3-Î´ Composite Cathodes for Proton Ceramic Fuel Cells. Applied Sciences (Switzerland), 2021, 11, 3407.	1.3	13
25	Effect of humidification on the grain boundary conductivity and space-charge effects in yttrium-doped barium cerate. International Journal of Hydrogen Energy, 2021, 46, 23828-23838.	3.8	15
26	Exploring the impact of sintering additives on the densification and conductivity of BaCe0.3Zr0.55Y0.15O3-Î´ electrolyte for protonic ceramic fuel cells. Journal of Alloys and Compounds, 2021, 862, 158640.	2.8	29
27	Effect of the addition mechanism of ZnO sintering aid on densification, microstructure and electrical properties of Ba(Zr,Y)O3-Î´ proton-conducting perovskite. International Journal of Hydrogen Energy, 2021, 46, 26466-26477.	3.8	18
28	Composite of calcium cobaltite with praseodymium-doped ceria: A promising new oxygen electrode for solid oxide cells. International Journal of Hydrogen Energy, 2021, 46, 28258-28269.	3.8	18
29	Synthesis of Coâ€“Ni and Cuâ€“Ni based-catalysts for dry reforming of methane as potential components for SOFC anodes. Ceramics International, 2021, 47, 33191-33201.	2.3	11
30	Chemical transformation of additive phase in MgH2/CeO2 hydrogen storage system and its effect on catalytic performance. Applied Surface Science, 2021, 561, 150062.	3.1	23
31	Fe-doped calcium cobaltites as electrocatalysts for oxygen evolution reaction. Ceramics International, 2021, 47, 26109-26118.	2.3	6
32	Electrochemical behaviour of magnesium hydride-added titania anode for Li-ion battery. Electrochimica Acta, 2021, 394, 139142.	2.6	5
33	Creating new surface-exchange pathways on the misfit Ca-cobaltite electrode by the addition of an active interlayer. Journal of Power Sources, 2021, 510, 230417.	4.0	14
34	Electrochemical saturation of antimony-lead melts with oxygen: Cell design and measurement. Electrochimica Acta, 2021, 395, 139206.	2.6	0
35	Proteic solâ€“gel synthesis of Gd-doped ceria: a comprehensive structural, chemical, microstructural and electrical analysis. Journal of Materials Science, 2020, 55, 16864-16878.	1.7	12
36	Unravelling the Effects of Calcium Substitution in BaGd₂CoO₅ Haldane Gap 1D Material and Its Thermoelectric Performance. Journal of Physical Chemistry C, 2020, 124, 13017-13025.	1.5	2

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37	Underscoring the transport properties of yttrium-doped barium cerate in nominally dry oxidising conditions. Electrochimica Acta, 2020, 334, 135625.	2.6	13
38	Misfit-layered Ca-cobaltiteâ€“based cathodes for intermediate-temperature solid oxide fuel cell. , 2020, , 347-377.		0
39	Transformation of Metallic Ti to TiH₂ Phase in the Ti/MgH₂ Composite and Its Influence on the Hydrogen Storage Behavior of MgH₂. ChemPhysChem, 2020, 21, 1195-1201.	1.0	23
40	Nanostructured advanced materials for hydrogen storage. , 2020, , 97-163.		2
41	A review on sintering technology of proton conducting BaCeO3-BaZrO3 perovskite oxide materials for Protonic Ceramic Fuel Cells. Journal of Power Sources, 2019, 438, 226991.	4.0	100
42	Nickel-copper based anodes for solid oxide fuel cells running on hydrogen and biogas: Study using ceria-based electrolytes with electronic short-circuiting correction. Journal of Power Sources, 2019, 438, 227041.	4.0	21
43	Proton conductivity in yttrium-doped barium cerate under nominally dry reducing conditions for application in chemical synthesis. Journal of Materials Chemistry A, 2019, 7, 18135-18142.	5.2	25
44	Solution blow spun nickel oxide/carbon nanocomposite hollow fibres as an efficient oxygen evolution reaction electrocatalyst. International Journal of Hydrogen Energy, 2019, 44, 14877-14888.	3.8	44
45	Metal Oxide Additives Incorporated Hydrogen Storage Systems: Formation of In Situ Catalysts and Mechanistic Understanding. Environmental Chemistry for A Sustainable World, 2019, , 215-245.	0.3	2
46	Boosting the oxygen reduction reaction of the misfit [Ca2CoO3-Î]q[CoO2] (C349) by the addition of praseodymium oxide. Journal of Alloys and Compounds, 2019, 788, 148-154.	2.8	22
47	Increased performance by use of a mixed conducting buffer layer, terbia-doped ceria, for Nd2NiO4+Î´ SOFC/SOEC oxygen electrodes. International Journal of Hydrogen Energy, 2019, 44, 31466-31474.	3.8	14
48	Cathodic polarisation of composite LSCF-SDC IT-SOFC electrode synthesised by one-step microwave self-assisted combustion. Journal of the European Ceramic Society, 2019, 39, 1846-1853.	2.8	48
49	Chemically transformed additive phases in Mg2TiO4 and MgTiO3 loaded hydrogen storage system MgH2. Applied Surface Science, 2019, 472, 99-104.	3.1	29
50	Electrochemical assessment of novel misfit Ca-cobaltite-based composite SOFC cathodes synthesized by solution blow spinning. Journal of the European Ceramic Society, 2018, 38, 2562-2569.	2.8	19
51	Electrochemical assessment of Ca3Co4O9 nanofibres obtained by Solution Blow Spinning. Materials Letters, 2018, 221, 81-84.	1.3	23
52	Thermal evolution of structures and conductivity of Pr-substituted BaZr_{0.7}Ce_{0.2}Y_{0.1}O_{3â^'Î´}: potential cathode components for protonic ceramic fuel cells. Journal of Materials Chemistry A, 2018, 6, 5324-5334.	5.2	13
53	Structure, densification and electrical properties of Gd3+ and Cu2+ co-doped ceria solid electrolytes for SOFC applications: Effects of Gd2O3 content. Ceramics International, 2018, 44, 2745-2751.	2.3	65
54	Structures, Phase Fields, and Mixed Protonicâ€“Electronic Conductivity of Ba-Deficient, Pr-Substituted BaZr0.7Ce0.2Y0.1O3â^'Î´. Inorganic Chemistry, 2018, 57, 15023-15033.	1.9	6

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55	Solid solution limits and electrical properties of scheelite SryLa1-yNb1-xVxO4-Î´ materials for x = 0.25 and 0.30 as potential proton conducting ceramic electrolytes. International Journal of Hydrogen Energy, 2018, 43, 18682-18690.	3.8	5
56	Understanding the cathodic polarisation behaviour of the misfit [Ca2CoO3â¯Î]q[CoO2] (C349) as oxygen electrode for IT-SOFC. Electrochimica Acta, 2018, 285, 214-220.	2.6	31
57	Designing strontium titanate-based thermoelectrics: insight into defect chemistry mechanisms. Journal of Materials Chemistry A, 2017, 5, 3909-3922.	5.2	81
58	Exploring the Thermoelectric Performance of BaGd₂NiO₅ Haldane Gap Materials. Inorganic Chemistry, 2017, 56, 2354-2362.	1.9	6
59	Role of chemical interaction between MgH 2 and TiO 2 additive on the hydrogen storage behavior of MgH 2. Applied Surface Science, 2017, 420, 740-745.	3.1	49
60	Unique dielectric features of a ceramic-semiconductor nanocomposite MgNb2O6+ 0.25Zn0.5Cd0.5S. Applied Surface Science, 2017, 424, 127-131.	3.1	5
61	Exploring the effects of silica and zirconia additives on electrical and redox properties of ferrospinels. Journal of the European Ceramic Society, 2017, 37, 2621-2628.	2.8	2
62	Electrochemical assessment of one-step Cu-CGO cermets under hydrogen and biogas fuels. Materials Letters, 2017, 191, 141-144.	1.3	11
63	Evolution of reduced Ti containing phase(s) in MgH 2 /TiO 2 system and its effect on the hydrogen storage behavior of MgH 2. Journal of Power Sources, 2017, 362, 174-183.	4.0	83
64	Structure and Electrical-Transport Relations in Ba(Zr,Pr)O_{3â¯Î´} Perovskites. Inorganic Chemistry, 2017, 56, 9120-9131.	1.9	9
65	Dehydrogenation Properties of Magnesium Hydride Loaded with Fe, Feâ¯C, and Feâ¯Mg Additives. ChemPhysChem, 2017, 18, 287-291.	1.0	16
66	Conductivity recovery by redox cycling of yttrium doped barium zirconate proton conductors and exsolution of Ni-based sintering additives. Journal of Power Sources, 2017, 339, 93-102.	4.0	30
67	Two step mechanochemical synthesis of Nb doped MgO rock salt nanoparticles and its application for hydrogen storage in MgH2. International Journal of Hydrogen Energy, 2016, 41, 11716-11722.	3.8	15
68	Preparation of one-step NiO/Ni-CGO composites using factorial design. Ceramics International, 2016, 42, 18166-18172.	2.3	12
69	Site Redistribution, Partial Frozen-in Defect Chemistry, and Electrical Properties of Ba1â€“x(Zr,Pr)O3â¯Î´. Inorganic Chemistry, 2016, 55, 8552-8563.	1.9	9
70	Crystal structure, phase stoichiometry and chemical environment of MgxNbyOx+y nanoparticles and their impact on hydrogen storage in MgH2. International Journal of Hydrogen Energy, 2016, 41, 11709-11715.	3.8	26
71	Comparative study of fluorite-type ceria-based Ce1â¯x Ln x O2â¯Î´ (LnÂ=ÂTb, Gd, and Pr) mixed ionic electronic conductors densified at low temperatures. Journal of Materials Science, 2016, 51, 10293-10300.	1.7	5
72	Mixed ionic-electronic conductivity and thermochemical expansion of Ca and Mo co-substituted pyrochlore-type Gd₂Ti₂O₇. RSC Advances, 2016, 6, 70186-70196.	1.7	11

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73	Cobalt-free perovskite Pr0.5Sr0.5Fe1â^'xCuxO3â^'Î´ (PSFC) as a cathode material for intermediate temperature solid oxide fuel cells. Materials Chemistry and Physics, 2016, 180, 256-262.	2.0	19
74	Interaction of magnesium hydride clusters with Nb doped MgO additive studied by density functional calculations. RSC Advances, 2016, 6, 61200-61206.	1.7	4
75	Formation of Mgâ€“Nbâ€“O rock salt structures in a series of mechanochemically activated MgH2Â+ÂnNb2O5 (nÂ=Â0.083â€“1.50) mixtures. International Journal of Hydrogen Energy, 2016, 41, 2677-2688.	3.8	31
76	Exploring the mixed transport properties of sulfur(<scp>vi</scp>)-doped Ba₂In₂O₅ for intermediate-temperature electrochemical applications. Journal of Materials Chemistry A, 2016, 4, 11069-11076.	5.2	9
77	Formation of Mg_xNb_yO_{x+y} through the Mechanochemical Reaction of MgH₂ and Nb₂O₅, and Its Effect on the Hydrogenâ€Storage Behavior of MgH₂. ChemPhysChem, 2016, 17, 178-183.	1.0	28
78	Silverâ€“praseodymium oxy-sulfate cermet: A new composite cathode for intermediate temperature solid oxide fuel cells. Journal of Power Sources, 2016, 306, 611-616.	4.0	6
79	Methodology for the study of mixed transport properties of a Zn-doped SrZr_{0.9}Y_{0.1}O_{3â^'Î´} electrolyte under reducing conditions. Journal of Materials Chemistry A, 2015, 3, 11098-11110.	5.2	14
80	Fabrication and electrochemical performance of a stable, anode supported thin BaCe0.4Zr0.4Y0.2O3-Î´ electrolyte Protonic Ceramic Fuel Cell. Journal of Power Sources, 2015, 278, 582-589.	4.0	73
81	Design of SrTiO₃-Based Thermoelectrics by Tungsten Substitution. Journal of Physical Chemistry C, 2015, 119, 4466-4478.	1.5	35
82	Simulation studies and safety analysis of high pressure milling vials for the direct synthesis ofÂhigh capacity metal hydrides. International Journal of Hydrogen Energy, 2015, 40, 5006-5012.	3.8	6
83	Boosting Thermoelectric Performance by Controlled Defect Chemistry Engineering in Ta-Substituted Strontium Titanate. Chemistry of Materials, 2015, 27, 4995-5006.	3.2	67
84	Pr₂O₂SO₄â€“La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O<sub> a new category of composite cathode for intermediate temperature-solid oxide fuel cells. Journal of Materials Chemistry A, 2015, 3, 12636-12641.	5.2	32
85	One step high pressure mechanochemical synthesis of reversible alanates NaAlH4 and KAlH4. International Journal of Hydrogen Energy, 2015, 40, 4916-4924.	3.8	13
86	Modeling of electrical conductivity in the proton conductor Ba0.85K0.15ZrO3â^'Î´. Electrochimica Acta, 2015, 165, 443-449.	2.6	24
87	Enhancing electrochemical performance by control of transport properties in buffer layers â€“ solid oxide fuel/electrolyser cells. Physical Chemistry Chemical Physics, 2015, 17, 11527-11539.	1.3	13
88	Structural and defect chemistry guidelines for Sr(V,Nb)O3-based SOFC anode materials. Physical Chemistry Chemical Physics, 2015, 17, 10749-10758.	1.3	15
89	Electrochemical behaviour of Ni-BZO and Ni-BZY cermet anodes for Protonic Ceramic Fuel Cells (PCFCs) â€“ A comparative study. Electrochimica Acta, 2015, 154, 387-396.	2.6	26
90	Oxygen permeability of mixed-conducting Ce0.8Tb0.2O2â^' membranes: Effects of ceramic microstructure and sintering temperature. Journal of Membrane Science, 2015, 475, 414-424.	4.1	13

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91	Structural and electrical properties of strontium substituted Y2BaNiO5. Journal of Alloys and Compounds, 2015, 620, 91-96.	2.8	8
92	The impact of porosity, pH 2 and pH 2 O on the polarisation resistance of Niâ€“BaZr 0.85 Y 0.15 O 3â^'Î´ cermet anodes for Protonic Ceramic Fuel Cells (PCFCs). International Journal of Hydrogen Energy, 2014, 39, 21231-21241.	3.8	32
93	Enhanced BaZrO₃ mechanosynthesis by the use of metastable ZrO₂ precursors. Dalton Transactions, 2014, 43, 9324-9333.	1.6	12
94	Transport-number determination of a protonic ceramic electrolyte membrane via electrode-polarisation correction with the Gorelov method. Journal of Power Sources, 2014, 245, 445-455.	4.0	53
95	Towards a high thermoelectric performance in rare-earth substituted SrTiO₃: effects provided by strongly-reducing sintering conditions. Physical Chemistry Chemical Physics, 2014, 16, 26946-26954.	1.3	96
96	Hydrogen storage characteristics of magnesium impregnated on the porous channels of activated charcoal scaffold. International Journal of Hydrogen Energy, 2014, 39, 20045-20053.	3.8	41
97	In-situ redox cycling behaviour of Niâ€“BaZr0.85Y0.15O3â^'Î´ cermet anodes for Protonic Ceramic Fuel Cells. International Journal of Hydrogen Energy, 2014, 39, 19780-19788.	3.8	15
98	Synthesis of catalytically active rock salt structured Mg x Nb 1â^'x O nanoparticles for MgH 2 system. International Journal of Hydrogen Energy, 2014, 39, 18984-18988.	3.8	15
99	Electrical properties and thermal expansion of strontium aluminates. Journal of Alloys and Compounds, 2014, 613, 232-237.	2.8	18
100	Ni-YSZ cermets for solid oxide fuel cell anodes via two-step firing. International Journal of Hydrogen Energy, 2014, 39, 15046-15056.	3.8	7
101	Impedance analysis of 0.5Ba(Zr0.2Ti0.8)O3â€“0.5(Ba0.7Ca0.3)TiO3 ceramics consolidated from micro-granules. Ceramics International, 2014, 40, 10593-10600.	2.3	92
102	Non-aqueous stabilized suspensions of BaZr0.85Y0.15O3â^'Î´ proton conducting electrolyte powders for thin film preparation. Journal of the European Ceramic Society, 2013, 33, 1833-1840.	2.8	8
103	Synthesis and conductivity of Ba(Ce,Zr,Y)O3â^'Î´ electrolytes forÂPCFCs by new nitrate-free combustion method. International Journal of Hydrogen Energy, 2013, 38, 8461-8470.	3.8	55
104	The importance of phase purity in Niâ€“BaZr_{0.85}Y_{0.15}O_{3â^'Î´}cermet anodes â€“ novel nitrate-free combustion route and electrochemical study. RSC Advances, 2013, 3, 859-869.	1.7	43
105	Microwave Assisted Self-Combustion Synthesis and Electrochemical Performance of LSCF-SDC Composite Cathodes. ECS Transactions, 2013, 53, 7-15.	0.3	4
106	Selected Peer-Reviewed Articles from International Conference on Advanced Nano Materials (ANM) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	0
107	Temperature Dependence of the Henry's Law Constant for Hydrogen Storage in NaA Zeolites: A Monte Carlo Simulation Study. Journal of Nanoscience and Nanotechnology, 2012, 12, 6785-6791.	0.9	4
108	Effect of phosphorus additions on the sintering and transport properties of proton conducting BaZr0.85Y0.15O3â^'Î´. Journal of Solid State Chemistry, 2012, 191, 27-32.	1.4	14

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109	Development of semitransparent wood-polymer composites. Journal of Vinyl and Additive Technology, 2012, 18, 95-104.	1.8	2
110	Mechanochemical preparation, sintering aids and hybrid microwave sintering in the proton conductor Sr0.02La0.98Nb1-xVxO4-Î´, xÂ=Â0, 0.15. International Journal of Hydrogen Energy, 2012, 37, 7252-7261.	3.8	9
111	Thermodynamic restrictions on mechanosynthesis of strontium titanate. Journal of Solid State Chemistry, 2012, 185, 143-149.	1.4	11
112	B-site substitutions in LaNb1â^'xMxO4â^'Î´ materials in the search for potential proton conductors (M=Ga,) Tj ETQq0 0 0 rgBT /Overlock	1.4	40
113	Guidelines for improving resistance to CO2 of materials for solid state electrochemical systems. Solid State Ionics, 2011, 192, 16-20.	1.3	16
114	Stability of Ba(Zr,Pr,Y)O3â^'Î´ materials for potential application in electrochemical devices. Journal of Solid State Chemistry, 2010, 183, 2826-2834.	1.4	18
115	Enhanced Low-Temperature Proton Conduction in Sr_{0.02}La_{0.98}NbO_{4â^'Î´} by Scheelite Phase Retention. Chemistry of Materials, 2010, 22, 6673-6683.	3.2	42
116	Sintering and Oxygen Transport in Ce[sub 0.8]Pr[sub 0.2]O[sub 2â^'Î]: A Comparative Study of Mn and Co Oxide Additives. Journal of the Electrochemical Society, 2009, 156, F47.	1.3	2
117	Effects of composition and frozen-in conditions on bulk and grain boundary conductivities of Yb2Ti2O7-based materials. Solid State Ionics, 2009, 180, 774-777.	1.3	7
118	Mechanosynthesis of nanopowders of the proton-conducting electrolyte material Ba(Zr, Y)O3â^'Î´. Journal of Solid State Chemistry, 2009, 182, 2149-2156.	1.4	35
119	Ceria based mixed conductors with adjusted electronic conductivity in the bulk and/or along grain boundaries. Solid State Ionics, 2009, 180, 896-899.	1.3	12
120	Impedance analysis of Sr-substituted CePO4 with mixed protonic and p-type electronic conduction. Ceramics International, 2009, 35, 1481-1486.	2.3	11
121	Transport Properties of Fluorite-Type Ce_{0.8}Pr_{0.2}O_{2â^'Î´}: Optimization via the Use of Cobalt Oxide Sintering Aid. Chemistry of Materials, 2009, 21, 381-391.	3.2	35
122	Effects of Yb:Ti ratio on transport properties of Yb2Â±xTi2Â±xO7Â±Î´. Solid State Ionics, 2008, 179, 1046-1049.	1.3	5
123	Characterization of Diffuse Scattering in Yttria-Stabilized Zirconia by Electron Diffraction and High-Resolution Transmission Electron Microscopy. Chemistry of Materials, 2008, 20, 5933-5938.	3.2	16
124	High oxygen permeability in fluorite-type Ce0.8Pr0.2O2â^'Î´ via the use of sintering aids. Journal of Membrane Science, 2007, 299, 1-7.	4.1	51
125	Effects of firing schedule on solubility limits and transport properties of ZrO2â€“TiO2â€“Y2O3 fluorites. Journal of Solid State Chemistry, 2007, 180, 2371-2376.	1.4	11
126	Effects of Fe-additions on sintering and transport properties of Yb2Ti2â^'yFeyO7â^'Î´. Journal of the European Ceramic Society, 2007, 27, 4283-4286.	2.8	6

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127	The defect chemistry of Ce(Pr, Zr)O2â^Î´. Journal of Solid State Chemistry, 2006, 179, 1469-1477.	1.4	33
128	Oxygen permeability, thermal expansion and mixed conductivity of GdxCe0.8â^'xPr0.2O2â^Î´, x=0, 0.15, 0.2. Journal of Solid State Chemistry, 2006, 179, 3347-3356.	1.4	57
129	Ionic and electronic conductivity of Yb2+xTi2â^'xO7â^'x/2 materials. Solid State Ionics, 2006, 177, 1785-1788.	1.3	49
130	Mixed conductivity, thermal expansion, and oxygen permeability of Ce(Pr,Zr)O. Solid State Ionics, 2005, 176, 1723-1730.	1.3	34
131	Effects of firing conditions and addition of Co on bulk and grain boundary properties of CGO. Solid State Ionics, 2005, 176, 2799-2805.	1.3	59
132	Evidence of three types of short range ordered fluorite structure in the (1â€‰â€“â€‰x)â€‰Y0.15Zr0.85O1.93â€“xâ€‰Y0.75Nb0.25O1.75(0 â‰¤xâ‰¤ 1) system. Journal of Materials Chemistry, 2005, 15,	6.7	29
133	Transport in ceria electrolytes modified with sintering aids: effects on oxygen reduction kinetics. Journal of Solid State Electrochemistry, 2004, 8, 618.	1.2	30
134	Electrochemical behaviour and degradation of (Ni,M)/YSZ cermet electrodes (M=Co,Cu,Fe) for high temperature applications of solid electrolytes. Journal of the European Ceramic Society, 2004, 24, 1355-1358.	2.8	32
135	Cu-Ce0.8Gd0.2O2â^Î´ materials as SOFC electrolyte and anode. Ionics, 2003, 9, 214-219.	1.2	16
136	The effect of cobalt oxide sintering aid on electronic transport in Ce0.80Gd0.20O2â^Î´ electrolyte. Electrochimica Acta, 2003, 48, 1023-1029.	2.6	112
137	The systems Zr(Nb,Ti)(R)O2â^Î´, R=Yb, Caâ€”optimization of mixed conductivity and comparison with results of other systems (R=Y and Gd). Journal of Solid State Chemistry, 2003, 172, 277-287.	1.4	11
138	Synthesis and characterisation of Niâ€“SrCe0.9Yb0.1O3â^Î´ cermet anodes for protonic ceramic fuel cells. Solid State Ionics, 2003, 158, 333-342.	1.3	44
139	Stability and mixed ionicâ€“electronic conductivity of (Sr,La)(Ti,Fe)O3â^Î´ perovskites. Solid State Ionics, 2003, 156, 45-57.	1.3	81
140	Redox behavior and transport properties of La0.5â^'xSr0.5â^'xFe0.4Ti0.6O3â^Î´ (0<x<0.1) validated by MÃ¶ssbauer spectroscopy. Solid State Ionics, 2002, 146, 87-93.	1.3	19
141	Title is missing!. , 2002, 9, 199-207.		82
142	The stability and mixed conductivity in La and Fe doped SrTiO3 in the search for potential SOFC anode materials. Journal of the European Ceramic Society, 2001, 21, 1831-1835.	2.8	111
143	Structural studies on the optimisation of fast oxide ion transport. Solid State Ionics, 2000, 136-137, 879-885.	1.3	29
144	Modulated Fluorite-Type Structure of Materials from the (1â^'x)Y0.5Zr0.5O1.75â^'xY0.75Nb0.25O1.75(0 â‰¤xâ‰¤) Tj ETQq0 0 0 rgBT /O	3.2	39

#	Article	IF	Citations
145	Phase Relations at 1500Â°C in the Ternary System ZrO2â€“Y2O3â€“TiO2. Journal of Solid State Chemistry, 1999, 143, 273-276.	1.4	57
146	The optimisation of mixed conduction in potential S.O.F.C. anode materials. Ionics, 1998, 4, 61-71.	1.2	10
147	Electrical characterization of highly Titania doped YSZ. Ionics, 1998, 4, 215-219.	1.2	39
148	Synthesis and electrical characterisation of doped perovskite titanates as potential anode materials for solid oxide fuel cells. Journal of Materials Chemistry, 1997, 7, 2495-2498.	6.7	157
149	Development of novel anodes for solid oxide fuel cells. Catalysis Today, 1997, 38, 467-472.	2.2	38
150	Oxide ion transport in highly defective cubic stabilized zirconias. Ionics, 1995, 1, 279-285.	1.2	14
151	Reduced magnesium titanate electrodes for solid oxide fuel cells. Solid State Ionics, 1994, 72, 235-239.	1.3	19
152	Analysis of the Electrochemical Transport Properties of Doped Barium Cerate for Proton Conductivity in Low Humidity Conditions: A Review. , 0, , .		1
153	The electrochemical promotion of nitrous oxide reduction on a lanthanum strontium iron cobalt cathode. International Journal of Energy Research, 0, , .	2.2	1