

# David Marrero-López

## List of Publications by Year in descending order

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138  
papers

5,358  
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57752

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95259

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143  
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143  
docs citations

143  
times ranked

3234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient symmetrical electrodes based on LaCrO <sub>3</sub> via microstructural engineering. Journal of the European Ceramic Society, 2022, 42, 181-192.	5.7	10
2	A review on recent advances and trends in symmetrical electrodes for solid oxide cells. Journal of Power Sources, 2022, 520, 230852.	7.8	58
3	Exploiting the Multifunctionality of M <sup>2+</sup> /Imidazole-Etidronates for Proton Conductivity (Zn <sup>2+</sup> ) and Electrocatalysis (Co <sup>2+</sup> , Ni <sup>2+</sup> ) toward the HER, OER, and ORR. ACS Applied Materials & Interfaces, 2022, 14, 11273-11287.	8.0	8
4	LaCrO <sub>3</sub> -CeO <sub>2</sub> -Based Nanocomposite Electrodes for Efficient Symmetrical Solid Oxide Fuel Cells. ACS Applied Energy Materials, 2022, 5, 4536-4546.	5.1	7
5	Modification of the Microstructure and Transport Properties of La <sub>2</sub> CuO <sub>4</sub> Electrodes via Halogenation Routes. Processes, 2022, 10, 1206.	2.8	4
6	Boosting the Performance of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Electrodes by The Incorporation of Nanocomposite Active Layers. Advanced Materials Interfaces, 2022, 9, .	3.7	9
7	Improvement of the Proton Conduction of Copper(II)-Mesoxalate Metal-Organic Frameworks by Strategic Selection of the Counterions. Inorganic Chemistry, 2022, 61, 11651-11666.	4.0	2
8	Perspectives on Cathodes for Protonic Ceramic Fuel Cells. Applied Sciences (Switzerland), 2021, 11, 5363.	2.5	51
9	Tunable Electrode Architectures for La <sub>0.8</sub> Sr <sub>0.2</sub> Fe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3-δ</sub> Based Symmetrical Solid Oxide Fuel Cells. ECS Meeting Abstracts, 2021, MA2021-03, 106-106.	0.0	0
10	Tunable Electrode Architectures for La <sub>0.8</sub> Sr <sub>0.2</sub> Fe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3-δ</sub> Based Symmetrical Solid Oxide Fuel Cells. ECS Transactions, 2021, 103, 1601-1606.	0.5	0
11	Recent progress in nanostructured electrodes for solid oxide fuel cells deposited by spray pyrolysis. Journal of Power Sources, 2021, 507, 230277.	7.8	37
12	Zinc Polyacrylate Ionomer Coatings as a Sustainable, Alternative Technology for Bisphenol A-Free Metal Packaging. ACS Sustainable Chemistry and Engineering, 2021, 9, 15484-15495.	6.7	4
13	Doping effects on the structure and electrical properties of La <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> proton conductors. Journal of Alloys and Compounds, 2020, 816, 152600.	5.5	19
14	Synergic Effect of Metal and Fluorine Doping on the Structural and Electrical Properties of La <sub>5.4</sub> Mo <sub>11.1</sub> -Based Materials. Inorganic Chemistry, 2020, 59, 1444-1452.	4.0	7
15	Unravelling Crystal Superstructures and Transformations in the La <sub>6-x</sub> Mo <sub>12</sub> (0.6 ≤ x ≤ 3.0) Series: A System with Tailored Ionic/Electronic Conductivity. Chemistry of Materials, 2020, 32, 7052-7062.	6.7	7
16	Influence of Bi <sub>1.5</sub> Y <sub>0.5</sub> O <sub>3</sub> Active Layer on the Performance of Nanostructured La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Cathode. Applied Nano, 2020, 1, 14-24.	2.0	7
17	Investigation of PO <sub>4</sub> <sup>3-</sup> oxyanion-doping on the properties of CaFe <sub>0.4</sub> Ti <sub>0.6</sub> O <sub>3</sub> for potential application as symmetrical electrodes for SOFCs. Journal of Alloys and Compounds, 2020, 835, 155437.	5.5	9
18	Nanostructured BaCo <sub>0.4</sub> Fe <sub>0.4</sub> Zr <sub>0.1</sub> Y <sub>0.1</sub> O <sub>3-δ</sub> Cathodes with Different Microstructural Architectures. Nanomaterials, 2020, 10, 1055.	4.1	10

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19	Enhanced Intermediate-Temperature Electrochemical Performance of Air Electrodes for Solid Oxide Cells with Spray-Pyrolyzed Active Layers. ACS Applied Materials & Interfaces, 2020, 12, 10571-10578.	8.0	23
20	Highly oriented and fully dense CGO films prepared by spray-pyrolysis and different precursor salts. Journal of the European Ceramic Society, 2020, 40, 3080-3088.	5.7	12
21	Relationship between the Structure and Transport Properties in the Ce <sub>1-x</sub> La <sub>x</sub> O <sub>2-δ</sub> System. Inorganic Chemistry, 2019, 58, 9368-9377.	4.0	17
22	Electrochemical stability of (La,Sr)CoO <sub>3-δ</sub> in (La,Sr)CoO <sub>3-δ</sub> /(Ce, Tj) ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	5.6	11
23	A novel multilaminated composite cathode for solid oxide fuel cells. Ceramics International, 2019, 45, 18124-18127.	4.8	8
24	Stability and electrochemical performance of nanostructured La <sub>2</sub> CuO <sub>4</sub> +δ cathodes. Journal of Alloys and Compounds, 2019, 788, 565-572.	5.5	15
25	Highly efficient La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3-δ</sub> - Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>1.95</sub> nanocomposite cathodes for solid oxide fuel cells. Ceramics International, 2018, 44, 4961-4966.	4.8	20
26	Effect of Zn addition on the structure and electrochemical properties of co-doped BaCe <sub>0.6</sub> Zr <sub>0.2</sub> Ln <sub>0.2</sub> O <sub>3-δ</sub> (Ln=Y, Gd, Yb) proton conductors. Ceramics International, 2018, 44, 14113-14121.	4.8	14
27	Durability and performance of CGO barriers and LSCF cathode deposited by spray-pyrolysis. Journal of the European Ceramic Society, 2018, 38, 3518-3526.	5.7	24
28	LSCF-CGO nanocomposite cathodes deposited in a single step by spray-pyrolysis. Journal of the European Ceramic Society, 2018, 38, 1647-1653.	5.7	18
29	Metal-Doping of La <sub>5.4</sub> MoO <sub>11.1</sub> Proton Conductors: Impact on the Structure and Electrical Properties. Inorganic Chemistry, 2018, 57, 12811-12819.	4.0	10
30	Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>2-δ</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> heterostructures prepared by pulsed laser deposition. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e289-e289.	0.1	0
31	Stability and performance of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> nanostructured cathodes with Ce <sub>0.8</sub> Gd <sub>0.2</sub> O <sub>1.9</sub> surface coating. Journal of Power Sources, 2017, 347, 178-185.	7.8	38
32	Symmetric Electrodes for Solid Fuel Cells Based on Sr-Doped LaFe <sub>0.7</sub> Ni <sub>0.3</sub> O <sub>3-δ</sub> . Materials Science Forum, 2017, 887, 24-31.	0.3	2
33	Improving the efficiency of layered perovskite cathodes by microstructural optimization. Journal of Materials Chemistry A, 2017, 5, 7896-7904.	10.3	37
34	Effect of Preparation Conditions on the Polymorphism and Transport Properties of La <sub>6-x</sub> MoO <sub>12-δ</sub> (0 ≤ x ≤ 0.8). Chemistry of Materials, 2017, 29, 6966-6975.	6.7	35
35	La <sub>1-x</sub> Sr <sub>x</sub> Fe <sub>0.7</sub> Ni <sub>0.3</sub> O <sub>3-δ</sub> as both cathode and anode materials for Solid Oxide Fuel Cells. International Journal of Hydrogen Energy, 2017, 42, 23160-23169.	7.1	25
36	An easy and innovative method based on spray-pyrolysis deposition to obtain high efficiency cathodes for Solid Oxide Fuel Cells. Journal of Power Sources, 2016, 319, 48-55.	7.8	16

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37	Crystallochemistry and electrical properties of Al-doped Sr <sub>2</sub> SiO <sub>4</sub> electrolytes. <i>Ceramics International</i> , 2016, 42, 16317-16324.	4.8	3
38	Effect of tri- and tetravalent metal doping on the electrochemical properties of lanthanum tungstate proton conductors. <i>Dalton Transactions</i> , 2016, 45, 3130-3138.	3.3	13
39	Ti-doped SrFeO <sub>3</sub> nanostructured electrodes for symmetric solid oxide fuel cells. <i>RSC Advances</i> , 2015, 5, 107889-107895.	3.6	44
40	Symmetric electrodes for solid oxide fuel cells based on Zr-doped SrFeO <sub>3</sub> . <i>Journal of Power Sources</i> , 2015, 279, 419-427.	7.8	85
41	Colloidal processing and characterisation of lanthanum tungstate sheets, La <sub>5</sub> WO <sub>11.25</sub> , prepared by tape casting and reaction sintering. <i>Ceramics International</i> , 2015, 41, 11334-11340.	4.8	3
42	Influence of the synthesis method on the structure and electrical properties of Sr <sub>1-x</sub> K <sub>x</sub> GeO <sub>3</sub> . <i>Ceramics International</i> , 2015, 41, 6542-6551.	4.8	15
43	Characterization and performance in preferential oxidation of CO of CuO-CeO <sub>2</sub> catalysts synthesized using polymethyl metacrylate (PMMA) as template. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 11254-11260.	7.1	23
44	Novel Microstructural Strategies To Enhance the Electrochemical Performance of La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7197-7205.	8.0	44
45	Evaluation of lanthanum tungstates as electrolytes for proton conductors Solid Oxide Fuel Cells. <i>Journal of Power Sources</i> , 2015, 294, 483-493.	7.8	18
46	High temperature properties of rare-earth tungstates RE <sub>2</sub> W <sub>2</sub> O <sub>9</sub> . <i>Journal of Alloys and Compounds</i> , 2015, 622, 557-564.	5.5	9
47	High valence transition metal doped strontium ferrites for electrode materials in symmetrical SOFCs. <i>Journal of Power Sources</i> , 2014, 249, 405-413.	7.8	105
48	Effect of the deposition temperature on the electrochemical properties of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3</sub> cathode prepared by conventional spray-pyrolysis. <i>Journal of Power Sources</i> , 2014, 255, 308-317.	7.8	43
49	Influence of the microstructure on the bulk and grain boundary conductivity in apatite-type electrolytes. <i>Journal of Power Sources</i> , 2014, 245, 107-118.	7.8	32
50	Chemical and electrical properties of LSM cathodes prepared by mechano-synthesis. <i>Journal of Power Sources</i> , 2014, 252, 43-50.	7.8	30
51	Stability and performance of nanostructured La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> cathodes deposited by spray-pyrolysis. <i>Electrochimica Acta</i> , 2014, 134, 159-166.	5.2	22
52	The effect of Zn addition on the structure and transport properties of BaCe <sub>0.9-x</sub> Zr <sub>x</sub> Y <sub>0.1</sub> O <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , 2014, 34, 1553-1562.	5.7	44
53	Proton conductors based on alkaline-earth substituted La <sub>28-x</sub> W <sub>4+x</sub> O <sub>54+3x/2</sub> . <i>Dalton Transactions</i> , 2014, 43, 6490.	3.3	19
54	Chemical stability and compatibility of double perovskite anode materials for SOFCs. <i>Solid State Ionics</i> , 2013, 239, 1-7.	2.7	79

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55	Optical gain and laser emission in fluorescent drug nanocomposites. , 2013, , .		0
56	Structural and Conducting Features of Niobium-Doped Lanthanum Tungstate, $\text{La}_{27}(\text{W}_{1-x}\text{Nb}_x)_5\text{O}_{55.55}$ . Chemistry of Materials, 2013, 25, 448-456.	6.7	41
57	Mo-Substituted Lanthanum Tungstate $\text{La}_{28}\text{W}_{4+y}\text{O}_{54+\hat{y}}$ : A Competitive Mixed Electron-Proton Conductor for Gas Separation Membrane Applications. Chemistry of Materials, 2012, 24, 3868-3877.	6.7	96
58	Single step reactive sintering and chemical compatibility between $\text{La}_9\text{Sr}_1\text{Si}_6\text{O}_{26.5}$ and selected cathode materials. Ceramics International, 2012, 38, 3327-3335.	4.8	12
59	Low temperature sintering of $\text{LaNbO}_4$ proton conductors from freeze-dried precursors. Journal of the European Ceramic Society, 2012, 32, 1235-1244.	5.7	20
60	Symmetric and reversible solid oxide fuel cells. RSC Advances, 2011, 1, 1403.	3.6	225
61	Microstructure and Conductivity of $\text{La}_{1-x}\text{Sr}_x\text{Ga}_{0.8}\text{Mg}_{0.2}\text{O}_3$ Electrolytes Prepared Using the Freeze-Drying Method. Journal of the American Ceramic Society, 2011, 94, 1031-1039.	3.8	27
62	Structure, chemical stability and mixed proton-electron conductivity in $\text{BaZr}_{0.9}\text{Pr}_x\text{Gd}_{0.1}\text{O}_3$ . Journal of Power Sources, 2011, 196, 9141-9147.	7.8	35
63	Effect of sintering aids on the conductivity of $\text{BaCe}_{0.9}\text{Ln}_{0.1}\text{O}_3$ . Journal of Power Sources, 2011, 196, 9154-9163.	7.8	46
64	Electrochemical performance of nanostructured $\text{La}_{0.6}\text{Sr}_{0.4}\text{CoO}_3$ and $\text{Sm}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ cathodes for IT-SOFCs. Journal of Power Sources, 2011, 196, 9276-9283.	7.8	49
65	Lanthanum Germanate-Based Apatites as Electrolyte for SOFCs. Fuel Cells, 2011, 11, 65-74.	2.4	15
66	A Novel Approach to Engineer the Microstructure of Solid Oxide Fuel Cell materials. Fuel Cells, 2011, 11, 144-149.	2.4	7
67	Influence of rare-earth doping on the microstructure and conductivity of $\text{BaCe}_{0.9}\text{Ln}_{0.1}\text{O}_3$ proton conductors. Journal of Power Sources, 2011, 196, 3461-3469.	7.8	123
68	Influence of phase segregation on the bulk and grain boundary conductivity of LSGM electrolytes. Solid State Ionics, 2011, 186, 44-52.	2.7	41
69	Engineering of materials for solid oxide fuel cells and other energy and environmental applications. Energy and Environmental Science, 2010, 3, 1670.	30.8	65
70	Evaluation of apatite silicates as solid oxide fuel cell electrolytes. Journal of Power Sources, 2010, 195, 2496-2506.	7.8	80
71	Preparation and characterisation of $\text{La}_{10}\text{Ge}_5\text{Al}_0.5\text{O}_{26\pm}$ apatites by freeze-drying precursor method. Materials Research Bulletin, 2010, 45, 409-415.	5.2	11
72	Performance of a novel type of electrolyte-supported solid oxide fuel cell with honeycomb structure. Journal of Power Sources, 2010, 195, 516-521.	7.8	25

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73	Redox behaviour, chemical compatibility and electrochemical performance of Sr <sub>2</sub> MgMoO <sub>6</sub> as SOFC anode. Solid State Ionics, 2010, 180, 1672-1682.	2.7	96
74	Fabrication of 3D carbon microstructures using glassy carbon microspheres and organic precursors. Carbon, 2010, 48, 3964-3967.	10.3	18
75	Disruption of extended defects in solid oxide fuel cell anodes for methane oxidation. , 2010, , 251-254.		0
76	Novel Procedures for the Microstructural Design of SOFC Materials. ECS Transactions, 2009, 25, 567-576.	0.5	1
77	Cost-Effective Microstructural Engineering of Solid Oxide Fuel Cell Components for Planar and Tubular Designs. Journal of the American Ceramic Society, 2009, 92, 276-279.	3.8	14
78	Microstructure and Oxide Ion Conductivity in a Dense La <sub>0.933</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> Oxyapatite. Journal of the American Ceramic Society, 2009, 92, 1062-1068.	3.8	41
79	On Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1-y</sub> FeyO <sub>3</sub> (y=0-0.9) oxides as cathode materials for La <sub>0.9</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>2.85</sub> based IT-SOFCs. International Journal of Hydrogen Energy, 2009, 34, 9486-9495.	7.1	57
80	Synthesis and characterisation of BaCeO <sub>3</sub> -based proton conductors obtained from freeze-dried precursors. Journal of the European Ceramic Society, 2009, 29, 131-138.	5.7	48
81	Structural and electrochemical characterisation of Pr <sub>0.7</sub> Ca <sub>0.3</sub> Cr <sub>1-y</sub> MnyO <sub>3</sub> as symmetrical solid oxide fuel cell electrodes. Journal of Power Sources, 2009, 188, 230-237.	7.8	64
82	High temperature phase transition in SOFC anodes based on Sr <sub>2</sub> MgMoO <sub>6</sub> . Journal of Solid State Chemistry, 2009, 182, 1027-1034.	2.9	52
83	Effect of sintering additive and low temperature on the electrode polarization of CGO. Journal of Alloys and Compounds, 2009, 467, 533-538.	5.5	17
84	New crystal structure and characterization of lanthanum tungstate $\text{La}_6\text{WO}_{12}$ prepared by freeze-drying synthesis. Dalton Transactions, 2009, , 10273.	3.3	99
85	Novel Procedures for the Microstructural Design of SOFC Materials. ECS Meeting Abstracts, 2009, , .	0.0	0
86	Phase stability and ionic conductivity in substituted La <sub>2</sub> W <sub>2</sub> O <sub>9</sub> . Journal of Solid State Chemistry, 2008, 181, 253-262.	2.9	34
87	Preparation of thin layer materials with macroporous microstructure for SOFC applications. Journal of Solid State Chemistry, 2008, 181, 685-692.	2.9	46
88	Evaluation of GdBaCo <sub>2</sub> O <sub>5</sub> + $\lambda$ as Cathode Material for Doped Lanthanum Gallate Electrolyte IT-SOFCs. Fuel Cells, 2008, 8, 351-359.	2.4	56
89	An all-in-one fluorite-based symmetrical solid oxide fuel cell. Journal of Power Sources, 2008, 177, 154-160.	7.8	31
90	Effects of Er <sup>3+</sup> and Yb <sup>3+</sup> doping on structural and non-linear optical properties of LiNaSO <sub>4</sub> . Journal of Luminescence, 2008, 128, 1025-1028.	3.1	2

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91	Optical properties of Er <sup>3+</sup> -doped strontium barium niobate nanocrystals obtained by thermal treatment in glass. <i>Journal of Luminescence</i> , 2008, 128, 908-910.	3.1	28
92	Effect of phase transition on high-temperature electrical properties of GdBaCo <sub>2</sub> O <sub>5+x</sub> layered perovskite. <i>Solid State Ionics</i> , 2008, 179, 611-618.	2.7	108
93	Stability, chemical compatibility and electrochemical performance of GdBaCo <sub>2</sub> O <sub>5+x</sub> layered perovskite as a cathode for intermediate temperature solid oxide fuel cells. <i>Solid State Ionics</i> , 2008, 179, 2372-2378.	2.7	112
94	Synthesis, phase stability and electrical conductivity of Sr <sub>2</sub> MgMoO <sub>6</sub> anode. <i>Materials Research Bulletin</i> , 2008, 43, 2441-2450.	5.2	70
95	Is YSZ stable in the presence of Cu?. <i>Journal of Materials Chemistry</i> , 2008, 18, 5072.	6.7	23
96	Determinación de los números de transporte iónico de materiales basados en el galato de lantano mediante técnicas de espectroscopia de impedancia y FEM. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2008, 47, 153-158.	1.9	3
97	Potenciales materiales de electrodo para Pilas de Combustible de Óxido Sólido simétricas. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2008, 47, 183-188.	1.9	20
98	Caracterización estructural y eléctrica del La <sub>0.2</sub> Mo <sub>0.2</sub> O <sub>9</sub> substituido por Nb <sub>0.5</sub> y Cr <sub>0.6</sub> . <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2008, 47, 213-218.	1.9	8
99	A new anode for solid oxide fuel cells with enhanced OCV under methane operation. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1821-1830.	2.8	38
100	Applicability of La <sub>2</sub> Mo <sub>2</sub> WyO <sub>9</sub> materials as solid electrolyte for SOFCs. <i>Solid State Ionics</i> , 2007, 178, 1366-1378.	2.7	64
101	Synthesis and transport properties in La <sub>2-x</sub> A <sub>x</sub> Mo <sub>2</sub> O <sub>9</sub> (A=Ca <sup>2+</sup> , Sr <sup>2+</sup> , Ba <sup>2+</sup> , K <sup>+</sup> ) series. <i>Electrochimica Acta</i> , 2007, 52, 5219-5231.	5.2	75
102	Improvement of the electrochemical properties of novel solid oxide fuel cell anodes, La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> and La <sub>4</sub> Sr <sub>8</sub> Ti <sub>11</sub> Mn <sub>0.5</sub> Ga <sub>0.5</sub> O <sub>37.5</sub> , using Cu-YSZ-based cermets. <i>Electrochimica Acta</i> , 2007, 52, 7217-7225.	5.2	51
103	Reducibility of Ce <sub>1-x</sub> Gd <sub>x</sub> O <sub>2</sub> in prospective working conditions. <i>Journal of Power Sources</i> , 2007, 173, 291-297.	7.8	33
104	Fe-substituted (La,Sr)TiO <sub>3</sub> as potential electrodes for symmetrical fuel cells (SFCs). <i>Journal of Power Sources</i> , 2007, 171, 552-557.	7.8	102
105	LSCM-YSZ-CGO composites as improved symmetrical electrodes for solid oxide fuel cells. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4223-4227.	5.7	79
106	Performance of XSCoF (X=Ba, La and Sm) and LSCrX <sub>2</sub> (X <sub>2</sub> =Mn, Fe and Al) perovskite-structure materials on LSGM electrolyte for IT-SOFC. <i>Electrochimica Acta</i> , 2007, 52, 2950-2958.	5.2	97
107	Cromitas de Lantano como potencial electrodos simétricos para Pilas de Combustible de Óxido Sólido. <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2007, 46, 218-224.	1.9	36
108	(La,Sr)TiO <sub>3</sub> en lugar de (La,Sr)TiO <sub>3-d</sub> . <i>Boletín De La Sociedad Española De Cerámica Y Vidrio</i> , 2007, 46, 304-310.	1.9	2

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109	A new family of oxide ion conductors based on tricalcium oxy-silicate. Dalton Transactions, 2006, , 2691-2697.	3.3	8
110	Microstructural optimisation of materials for SOFC applications using PMMA microspheres. Journal of Materials Chemistry, 2006, 16, 540.	6.7	59
111	Anodic Performance and Intermediate Temperature Fuel Cell Testing of La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3-Î</sub> at Lanthanum Gallate Electrolytes. Chemistry of Materials, 2006, 18, 1001-1006.	6.7	62
112	Effects of preparation method on the microstructure and transport properties of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> based materials. Journal of Alloys and Compounds, 2006, 422, 249-257.	5.5	37
113	Disruption of extended defects in solid oxide fuel cell anodes for methane oxidation. Nature, 2006, 439, 568-571.	27.8	379
114	On the simultaneous use of La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3-Î</sub> as both anode and cathode material with improved microstructure in solid oxide fuel cells. Electrochimica Acta, 2006, 52, 278-284.	5.2	227
115	Grain boundary conductivity of Ce <sub>0.8</sub> Ln <sub>0.2</sub> O <sub>2-Î</sub> ceramics (Ln=Y, La, Gd, Sm) with and without Co-doping. Electrochimica Acta, 2006, 51, 6463-6469.	5.2	97
116	Fuel cell studies of perovskite-type materials for IT-SOFC. Journal of Power Sources, 2006, 159, 914-921.	7.8	63
117	Structural studies on W <sub>6+</sub> and Nd <sub>3+</sub> substituted La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> materials. Journal of Solid State Chemistry, 2006, 179, 278-288.	2.9	73
118	Mn-substituted titanates as efficient anodes for direct methane SOFCs. Solid State Ionics, 2006, 177, 1997-2003.	2.7	56
119	SOFC test using Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-Î</sub> as cathode on La <sub>0.9</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>2.85</sub> electrolyte. Solid State Ionics, 2006, 177, 2143-2147.	2.7	42
120	Stability and oxide ion conductivity in rare-earth aluminium cuspidines. Journal of Solid State Chemistry, 2006, 179, 3445-3455.	2.9	16
121	New Strategies on SOFC. Materials Research Society Symposia Proceedings, 2006, 972, 1.	0.1	0
122	Electrical conductivity and redox stability of La <sub>2</sub> Mo <sub>2-Î</sub> xWxO <sub>9</sub> materials. Electrochimica Acta, 2005, 50, 4385-4395.	5.2	102
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