

Materials for high-temperature oxygen reduction in sol

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Thermal stresses in planar solid oxide fuel cells due to thermal expansion differences. <i>Advances in Applied Ceramics</i> , 2002, 101, 85-93.	0.4	64
2	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2002, 98, 505-529.	0.8	0
3	Ln <sub>1-x</sub> A <sub>x</sub> CoO <sub>3</sub> (Ln = Er, La; A = Ca, Sr)/Carbon Nanotube Composite Materials Applied for Rechargeable Zn/Air Batteries. <i>Chemistry of Materials</i> , 2002, 14, 1797-1805.	3.2	94
4	Carbon Nanotube-Perovskite-Composites as New Electrode Material. <i>Materials Research Society Symposia Proceedings</i> , 2002, 730, 1.	0.1	2
6	Nucleation and growth of epitaxial La <sub>1-x</sub> CaxCoO <sub>3-<math>\delta</math></sub> films on single crystalline substrates by pulsed reactive crossed-beam laser ablation. <i>Thin Solid Films</i> , 2004, 453-454, 406-410.	0.8	3
7	Factors Governing Oxygen Reduction in Solid Oxide Fuel Cell Cathodes. <i>Chemical Reviews</i> , 2004, 104, 4791-4844.	23.0	2,039
8	Electrochemical performances of (La,Sr)CoO <sub>3</sub> cathode for zirconia-based solid oxide fuel cells. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 116, 119-124.	1.7	55
9	Chemical degradation of La <sub>1-x</sub> SrxMnO <sub>3</sub> /Y <sub>2</sub> O <sub>3</sub> -stabilized ZrO <sub>2</sub> composite cathodes in the presence of current collector pastes. <i>Solid State Ionics</i> , 2005, 176, 17-23.	1.3	42
10	Effect of spray parameters on the electrical conductivity of plasma-sprayed La <sub>1-x</sub> SrxMnO <sub>3</sub> coating for the cathode of SOFCs. <i>Surface and Coatings Technology</i> , 2005, 198, 278-282.	2.2	52
11	Ultra-high resolution EEL studies of domains in Perovskite. <i>Journal of Physics: Conference Series</i> , 2006, 26, 17-20.	0.3	1
12	Nature of domains in lanthanum calcium cobaltite perovskite revealed by atomic resolution Z-contrast and electron energy loss spectroscopy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 133, 30-36.	1.7	3
13	Structural and electrochemical characterization of Ce <sub>0.85</sub> Ca <sub>0.05</sub> Sm <sub>0.1</sub> O <sub>1.9</sub> oxide ion electrolyte with Sr-doped LaMnO <sub>3</sub> and SmCoO <sub>3</sub> cathodes. <i>Ionics</i> , 2008, 14, 483-489.	1.2	6
14	Chapter 5 Scanning Transmission Electron Microscopy and Electron Energy Loss Spectroscopy: Mapping Materials Atom by Atom. <i>Advances in Imaging and Electron Physics</i> , 2008, 153, 195-223.	0.1	1
15	Low field magnetotransport in manganites. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 273201.	0.7	215
16	Development of a Ni/Al <sub>2</sub> O <sub>3</sub> Cermet-Supported Tubular Solid Oxide Fuel Cell Assembled with Different Functional Layers by Atmospheric Plasma-Spraying. <i>Journal of Thermal Spray Technology</i> , 2009, 18, 83-89.	1.6	18
17	Characterization of the 75% Gd <sub>0.8</sub> Sr <sub>0.2</sub> CoO <sub>3-<math>\delta</math></sub> /25% Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2-<math>\delta</math></sub> composite cathode system for use in intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2009, 194, 690-696.	4.0	2
18	Industrial precipitation of yttrium chloride and zirconyl chloride: Effect of pH on ceramic properties for yttria partially stabilised zirconia. <i>Journal of Alloys and Compounds</i> , 2009, 480, 639-644.	2.8	3
19	Sub-Atmospheric Pressure Solid Oxide Fuel Cell Experimental Setup and Initial Results. , 2009, , .		1

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20	Synthesis of nano-particle and highly porous conducting perovskites from simple in situ sol-gel derived carbon templating process. Bulletin of Materials Science, 2010, 33, 371-376.	0.8	16
22	Synthesis, oxygen permeation, and electrical properties of $(La_{1-x}Sr_x)(Mn_{0.85}Fe_{0.05}Co_{0.05}Ni_{0.05})O_{3+\delta}$ -YSZ composite. Electronic Materials Letters, 2011, 7, 231-236.	1.0	5
23	Remarkable dependence of electrochemical performance of $SrCo_{0.8}Fe_{0.2}O_{3-\delta}$ on A-site nonstoichiometry. Physical Chemistry Chemical Physics, 2012, 14, 7234.	1.3	21
24	Oxygen storage capacity and structural flexibility of $LuFe_2O_{4+x}$ ( $0 \leq x \leq 0.5$ ). Nature Materials, 2014, 13, 74-80.	13.3	59
26	Reversible oxygen scavenging at room temperature using electrochemically reduced titanium oxide nanotubes. Nature Nanotechnology, 2015, 10, 418-422.	15.6	69
27	Rare earth ferrites $LuFe_2O_{4\pm x}$ polymorphism, polytypism and metastable phases. Solid State Sciences, 2015, 48, A1-A16.	1.5	7
28	Comprehensive Study of Oxygen Storage in $YbFe_2O_{4+x}$ ( $0 \leq x \leq 0.5$ ): Unprecedented Coexistence of $FeO_n$ Polyhedra in One Single Phase. Journal of the American Chemical Society, 2017, 139, 17031-17043.	6.6	9
29	Magnetic oxygen stored in quasi-1D form within $BaAl_2O_4$ lattice. Scientific Reports, 2019, 9, 15158.	1.6	10