Maria Paola Carpanese

List of Publications by Year
in descending order

39	821	471509 17	501196 28
papers	citations	h-index	g-index

39	39	39	1001
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical Degradation of the La0.6Sr0.4Co0.2Fe0.8O3â^Î´/Ce0.8Sm0.2O2â^Î´ Interface during Sintering and Cell Operation. Energies, 2021, 14, 3674.	3.1	4
2	On the stabilization and extension of the distribution of relaxation times analysis. Electrochimica Acta, 2021, 391, 138916.	5.2	12
3	Impregnation of microporous SDC scaffold as stable solid oxide cell BSCF-based air electrode. Energy, 2021, 237, 121514.	8.8	14
4	A Boronâ€Doped Diamond Anode for the Electrochemical Removal of Parabens in Lowâ€Conductive Solution: From a Conventional Flow Cell to a Solid Polymer Electrolyte System. ChemElectroChem, 2020, 7, 314-319.	3.4	9
5	Infiltrated Ba0.5Sr0.5Co0.8Fe0.2O3-Î´-Based Electrodes as Anodes in Solid Oxide Electrolysis Cells. Energies, 2020, 13, 3659.	3.1	9
6	Clarifying the Role of the Reducers-to-Oxidizers Ratio in the Solution Combustion Synthesis of Ba0.5Sr0.5Co0.8Fe0.2O3-Î´ Oxygen Electrocatalysts. Catalysts, 2020, 10, 1465.	3.5	1
7	Utilisation of methylcellulose as a shaping agent in the fabrication of Ba0.95Ca0.05Ce0.9Y0.1O3 proton-conducting ceramic membranes via the gelcasting method. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2077-2090.	3.6	5
8	Suitability of Sm3+-Substituted SrTiO3 as Anode Materials for Solid Oxide Fuel Cells: A Correlation between Structural and Electrical Properties. Energies, 2019, 12, 4042.	3.1	8
9	Distribution of Relaxation Times and Equivalent Circuits Analysis of Ba0.5Sr0.5Co0.8Fe0.2O3â^Î´. Catalysts, 2019, 9, 441.	3.5	11
10	Electrocatalytic activity of perovskite-based cathodes for solid oxide fuel cells. International Journal of Hydrogen Energy, 2019, 44, 6212-6222.	7.1	35
11	Electrochemical oxidation of crystal violet using a BDD anode with a solid polymer electrolyte. Separation and Purification Technology, 2019, 208, 178-183.	7.9	37
12	Degradation of dye Procion Red MX-5B by electrolytic and electro-irradiated technologies using diamond electrodes. Chemosphere, 2018, 199, 445-452.	8.2	45
13	The effect of synthesis and thermal treatment on phase composition and ionic conductivity of Na-doped SrSiO3. Solid State Ionics, 2018, 314, 172-177.	2.7	10
14	Application of La-Doped SrTiO3 in Advanced Metal-Supported Solid Oxide Fuel Cells. Crystals, 2018, 8, 134.	2.2	10
15	Understanding the electrochemical behaviour of LSM-based SOFC cathodes. Part I â€" Experimental and electrochemical. Solid State Ionics, 2017, 301, 106-115.	2.7	40
16	Characterisation of La0.6Sr0.4Co0.2Fe0.8O3-Î´ â€" Ba0.5Sr0.5Co0.8Fe0.2O3-Î´ composite as cathode for solid oxide fuel cells. Electrochimica Acta, 2017, 240, 258-266.	5.2	28
17	Influence of the electrode/electrolyte interface structure on the performance of Pr 0.8 Sr 0.2 Fe 0.7 Ni 0.3 O 3-Î´ as Solid Oxide Fuel Cell cathode. Electrochimica Acta, 2017, 236, 328-336.	5.2	11
18	Direct and indirect electrochemical oxidation of Indigo Carmine using PbO2 and TiRuSnO2. Journal of Solid State Electrochemistry, 2017, 21, 2167-2175.	2.5	31

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19	Infiltration, Overpotential and Ageing Effects on Cathodes for Solid Oxide Fuel Cells: La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3-Î´}versus Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3-Î´}. Journal of the Electrochemical Society, 2017, 164, F3114-F3122.	2.9	36
20	Understanding the electrochemical behaviour of LSM-based SOFC cathodes. Part II - Mechanistic modelling and physically-based interpretation. Solid State Ionics, 2017, 303, 181-190.	2.7	23
21	Comparative depollution of Methyl Orange aqueous solutions by electrochemical incineration using TiRuSnO2, BDD and PbO2 as high oxidation power anodes. Journal of Electroanalytical Chemistry, 2016, 766, 94-99.	3.8	68
22	Study of reversible SOFC/SOEC based on a mixed anionic-protonic conductor. Journal of Applied Electrochemistry, 2015, 45, 657-665.	2.9	9
23	BaCe0.85Y0.15O2.925 dense layer by wet powder spraying as electrolyte for SOFC/SOEC applications. Solid State Ionics, 2015, 269, 80-85.	2.7	15
24	Application of yttrium doped barium cerate for improvement of the dual membrane SOFC design. International Journal of Hydrogen Energy, 2014, 39, 21561-21568.	7.1	10
25	Thermodynamic and kinetic studies of NaBH4 regeneration by NaBO2â€“Mgâ€“H2 ternary system at isothermal condition. International Journal of Hydrogen Energy, 2014, 39, 11094-11102.	7.1	7
26	Electro-Fenton degradation of anionic surfactants. Separation and Purification Technology, 2013, 118, 394-398.	7.9	50
27	Innovative Dual Membrane Architecture for Reversible Fuel Cells. ECS Transactions, 2013, 57, 3143-3149.	0.5	0
28	Morphological and electrochemical modeling of SOFC composite cathodes with distributed porosity. Chemical Engineering Journal, 2012, 207-208, 167-174.	12.7	28
29	Dual Cells with Mixed Protonic-Anionic Conductivity for Reversible SOFC/SOEC Operation. Energy Procedia, 2012, 28, 182-189.	1.8	14
30	Impedance spectroscopy studies of dual membrane fuel cell. Electrochimica Acta, 2011, 56, 7955-7962.	5.2	18
31	A novel MOCVD strategy for the fabrication of cathode in a solid oxide fuel cell: Synthesis of La0.8Sr0.2MnO3 films on YSZ electrolyte pellets. Materials Chemistry and Physics, 2010, 124, 1015-1021.	4.0	18
32	Morphology and electrochemical activity of SOFC composite cathodes: I. experimental analysis. Journal of Applied Electrochemistry, 2009, 39, 513-521.	2.9	17
33	Electrochemical performance of Ni-based anodes for solid oxide fuel cells. Journal of Applied Electrochemistry, 2009, 39, 2257-2264.	2.9	11
34	Influence of electrode thickness on the performance of composite electrodes for SOFC. Journal of Applied Electrochemistry, 2008, 38, 939-945.	2.9	40
35	Impedance studies of cathode/electrolyte behaviour in SOFC. Electrochimica Acta, 2008, 53, 7491-7499.	5.2	48
36	Influence of the Temperature on Oxygen Reduction on SOFC Composite Electrodes: Theoretical and Experimental Analysis. Journal of Fuel Cell Science and Technology, 2008, 5, .	0.8	3

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37	Study of the Rate Limiting Step of the Cathodic Process in Anode Supported Solid Oxide Fuel Cell. Journal of Fuel Cell Science and Technology, 2008, 5, .	0.8	2
38	Impedance analysis of oxygen reduction in SOFC composite electrodes. Electrochimica Acta, 2006, 51, 1641-1650.	5.2	39
39	Electrochemical investigation of mixed ionic/electronic cathodes for SOFCs. Solid State Ionics, 2005, 176, 1753-1758.	2.7	45