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	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
2	Electro-Fenton degradation of anionic surfactants. Separation and Purification Technology, 2013, 118, 394-398.	7.9	50
3	Impedance studies of cathode/electrolyte behaviour in SOFC. Electrochimica Acta, 2008, 53, 7491-7499.	5.2	48
4	Electrochemical investigation of mixed ionic/electronic cathodes for SOFCs. Solid State Ionics, 2005, 176, 1753-1758.	2.7	45
5	Degradation of dye Procion Red MX-5B by electrolytic and electro-irradiated technologies using diamond electrodes. Chemosphere, 2018, 199, 445-452.	8.2	45
6	Influence of electrode thickness on the performance of composite electrodes for SOFC. Journal of Applied Electrochemistry, 2008, 38, 939-945.	2.9	40
7	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
8	Impedance analysis of oxygen reduction in SOFC composite electrodes. Electrochimica Acta, 2006, 51, 1641-1650.	5.2	39
9	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
10	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
11	Electrocatalytic activity of perovskite-based cathodes for solid oxide fuel cells. International Journal of Hydrogen Energy, 2019, 44, 6212-6222.	7.1	35
12	Direct and indirect electrochemical oxidation of Indigo Carmine using PbO2 and TiRuSnO2. Journal of Solid State Electrochemistry, 2017, 21, 2167-2175.	2.5	31
13	Morphological and electrochemical modeling of SOFC composite cathodes with distributed porosity. Chemical Engineering Journal, 2012, 207-208, 167-174.	12.7	28
14	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
15	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
16	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
17	Impedance spectroscopy studies of dual membrane fuel cell. Electrochimica Acta, 2011, 56, 7955-7962.	5.2	18
18	Morphology and electrochemical activity of SOFC composite cathodes: I. experimental analysis. Journal of Applied Electrochemistry, 2009, 39, 513-521.	2.9	17

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19	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
20	Dual Cells with Mixed Protonic-Anionic Conductivity for Reversible SOFC/SOEC Operation. Energy Procedia, 2012, 28, 182-189.	1.8	14
21	Impregnation of microporous SDC scaffold as stable solid oxide cell BSCF-based air electrode. Energy, 2021, 237, 121514.	8.8	14
22	On the stabilization and extension of the distribution of relaxation times analysis. Electrochimica Acta, 2021, 391, 138916.	5.2	12
23	Electrochemical performance of Ni-based anodes for solid oxide fuel cells. Journal of Applied Electrochemistry, 2009, 39, 2257-2264.	2.9	11
24	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
25	Distribution of Relaxation Times and Equivalent Circuits Analysis of Ba0.5Sr0.5Co0.8Fe0.2O3â^'Î´. Catalysts, 2019, 9, 441.	3.5	11
26	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
27	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
28	Application of La-Doped SrTiO3 in Advanced Metal-Supported Solid Oxide Fuel Cells. Crystals, 2018, 8, 134.	2.2	10
29	Study of reversible SOFC/SOEC based on a mixed anionic-protonic conductor. Journal of Applied Electrochemistry, 2015, 45, 657-665.	2.9	9
30	A Boronâ€Đoped 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
31	Infiltrated Ba0.5Sr0.5Co0.8Fe0.2O3-Î´-Based Electrodes as Anodes in Solid Oxide Electrolysis Cells. Energies, 2020, 13, 3659.	3.1	9
32	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
33	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
34	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
35	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
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

#	Article	IF	Citations
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	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
39	Innovative Dual Membrane Architecture for Reversible Fuel Cells. ECS Transactions, 2013, 57, 3143-3149.	0.5	0