Stefano Trocino

List of Publications by Year in descending order

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33 papers	800 citations	516710 16 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	1062 citing authors

#	Article	IF	Citations
1	Bifunctional CuO-Ag/KB Catalyst for the Electrochemical Reduction of CO2 in an Alkaline Solid-State Electrolysis Cell. Catalysts, 2022, 12, 293.	3.5	3
2	Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. Catalysts, 2021, 11, 1363.	3.5	7
3	CO gas sensing performance of electrospun Co3O4 nanostructures at low operating temperature. Sensors and Actuators B: Chemical, 2020, 303, 127193.	7.8	40
4	Dry Hydrogen Production in a Tandem Critical Raw Material-Free Water Photoelectrolysis Cell Using a Hydrophobic Gas-Diffusion Backing Layer. Catalysts, 2020, 10, 1319.	3.5	9
5	Anionic Exchange Membrane for Photo-Electrolysis Application. Polymers, 2020, 12, 2991.	4.5	12
6	Analysis of performance degradation during steady-state and load-thermal cycles of proton exchange membrane water electrolysis cells. Journal of Power Sources, 2020, 468, 228390.	7.8	37
7	Enhanced Photoelectrochemical Water Splitting at Hematite Photoanodes by Effect of a NiFe-Oxide co-Catalyst. Catalysts, 2020, 10, 525.	3.5	13
8	Assessment of the FAA3-50 polymer electrolyte in combination with a NiMn2O4 anode catalyst for anion exchange membrane water electrolysis. International Journal of Hydrogen Energy, 2020, 45, 9285-9292.	7.1	77
9	Sucrose-Assisted Solution Combustion Synthesis of Doped Strontium Ferrate Perovskite-Type Electrocatalysts: Primary Role of the Secondary Fuel. Catalysts, 2020, 10, 134.	3.5	7
10	Investigation of NiFe-Based Catalysts for Oxygen Evolution in Anion-Exchange Membrane Electrolysis. Energies, 2020, 13, 1720.	3.1	18
11	A Simple Approach to Enhance the Direct Production of Methane through Co-Electrolysis of CO2 and H2O. ECS Transactions, 2019, 91, 2343-2350.	0.5	0
12	New insights on the co-electrolysis of CO2 and H2O through a solid oxide electrolyser operating at intermediate temperatures. Electrochimica Acta, 2019, 296, 458-464.	5.2	30
13	High performance solid-state iron-air rechargeable ceramic battery operating at intermediate temperatures (500â€“650â€¯Â°C). Applied Energy, 2019, 233-234, 386-394.	10.1	28
14	Solid Oxide Fuel Cell Fed Directly with Dry Glycerol. Energy Technology, 2019, 7, 45-47.	3.8	10
15	Solid oxide fuel cells fed with dry ethanol: The effect of a perovskite protective anodic layer containing dispersed Ni-alloy @ FeOx core-shell nanoparticles. Applied Catalysis B: Environmental, 2018, 220, 98-110.	20.2	64
16	Electrochemical Impedance Spectroscopy as a Diagnostic Tool in Polymer Electrolyte Membrane Electrolysis. Materials, 2018, 11, 1368.	2.9	88
17	Production of syngas by solid oxide electrolysis: AÂcase study. International Journal of Hydrogen Energy, 2017, 42, 27859-27865.	7.1	17
18	Ironâ€“Air Battery Operating at High Temperature. Energy Technology, 2017, 5, 670-680.	3.8	18

#	Article	IF	Citations
19	Study of a solid oxide fuel cell fed with n-dodecane reformate. Part II: Effect of the reformate composition. International Journal of Hydrogen Energy, 2017, 42, 1751-1757.	7.1	12
20	Nickelâ€“Iron/Gadoliniumâ€Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solidâ€Oxide Fuel Cell Anode Fed with Biofuels. ChemCatChem, 2016, 8, 648-655.	3.7	16
21	Study of a Solid Oxide Fuel Cell fed with n-dodecane reformate. Part I: Endurance test. International Journal of Hydrogen Energy, 2016, 41, 5741-5747.	7.1	12
22	Real-time thermal imaging of solid oxide fuel cell cathode activity in working condition. Applied Optics, 2016, 55, 7142.	2.1	8
23	Thermoelectric characterization of an intermediate temperature solid oxide fuel cell system directly fed by dry biogas. Energy Conversion and Management, 2016, 127, 90-102.	9.2	33
24	Investigation of Ni-based alloy/CGO electro-catalysts as protective layer for a solid oxide fuel cell anode fed with ethanol. Journal of Applied Electrochemistry, 2015, 45, 647-656.	2.9	30
25	Electrochemical Investigation of a Large SOFC Fed with n-Dodecane Reformate. ECS Transactions, 2015, 68, 2845-2849.	0.5	0
26	Ni-based Alloys as Protective Layer for a Conventional Solid Oxide Fuel Cell Fed with Biofuels. ECS Transactions, 2015, 68, 2653-2658.	0.5	2
27	Microstructural, Electrical and Hydrogen Sensing Properties of F-SnO2 Nanoparticles. Procedia Engineering, 2014, 87, 1087-1090.	1.2	2
28	Oxygen-sensing properties of electrospun CNTs/PVAc/TiO2 composites. Electronic Materials Letters, 2014, 10, 305-313.	2.2	14
29	Development of an ammonia sensor based on silver nanoparticles in a poly-methacrylic acid matrix. Journal of Materials Chemistry C, 2014, 2, 5778.	5.5	35
30	Gas sensing properties under UV radiation of In2O3 nanostructures processed by electrospinning. Materials Chemistry and Physics, 2014, 147, 35-41.	4.0	32
31	Electrospun V2O5 composite fibers: Synthesis, characterization and ammonia sensing properties. Thin Solid Films, 2013, 548, 689-694.	1.8	63
32	Electrospinning of Polyaniline: Effect of Different Raw Sources. Journal of Nanoscience and Nanotechnology, 2013, 13, 4744-4751.	0.9	26
33	Pt-TiO2/MWCNTs Hybrid Composites for Monitoring Low Hydrogen Concentrations in Air. Sensors, 2012, 12, 12361-12373.	3.8	36