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List of Publications by Year
in descending order

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41 papers	721 citations	567281 15 h-index	552781 26 g-index
46 all docs	46 docs citations	46 times ranked	780 citing authors

#	Article	IF	Citations
1	Parallel tubular channel angular pressing (PTCAP) as a new severe plastic deformation method for cylindrical tubes. Materials Letters, 2012, 77, 82-85.	2.6	107
2	Electrocatalytic Promotion of Palladium Nanoparticles on Hydrogen Oxidation on Ni/GDC Anodes of SOFCs via Spillover. Journal of the Electrochemical Society, 2009, 156, B1022.	2.9	73
3	Control of structural and magnetic characteristics of cobalt ferrite by post-calcination mechanical milling. Journal of Physics and Chemistry of Solids, 2019, 134, 286-294.	4.0	45
4	Effect of air addition to methane on performance stability and coking over NiOâ€“YSZ anodes of SOFC. Applied Energy, 2016, 177, 179-186.	10.1	44
5	Pd-promoted (La,Ca)(Cr,Mn)O3/GDC anode for hydrogen and methane oxidation reactions of solid oxide fuel cells. Solid State Ionics, 2010, 181, 1221-1228.	2.7	42
6	CoFe2O4/Fe magnetic nanocomposite: Exchange coupling behavior and microwave absorbing property. Ceramics International, 2020, 46, 17903-17916.	4.8	42
7	Tube cyclic expansion-extrusion (TCEE) as a novel severe plastic deformation method for cylindrical tubes. Journal of Materials Science, 2014, 49, 3158-3165.	3.7	31
8	Performance and carbon deposition over Pd nanoparticle catalyst promoted Ni/GDC anode of SOFCs in methane, methanol and ethanol fuels. International Journal of Hydrogen Energy, 2012, 37, 15301-15310.	7.1	29
9	Performance and stability of La0.8Sr0.2MnO3 cathode promoted with palladium based catalysts in solid oxide fuel cells. Journal of Alloys and Compounds, 2011, 509, 4781-4787.	5.5	28
10	Nanostructured MnCo2O4 synthesized via co-precipitation method for SOFC interconnect application. International Journal of Hydrogen Energy, 2016, 41, 20640-20649.	7.1	24
11	Enhanced performance of La0.8Sr0.2MnO3 cathode for solid oxide fuel cells by co-infiltration of metal and ceramic precursors. Journal of Alloys and Compounds, 2018, 737, 433-441.	5.5	24
12	Characterization of B site codoped LaFeO3 nanoparticles prepared via co-precipitation route. Rare Metals, 2018, 37, 181-190.	7.1	22
13	Electrochemical characterization of La2NiO4-infiltrated La0.6Sr0.4Co0.2Fe0.8O3-Î´ by analysis of distribution of relaxation times. Electrochimica Acta, 2020, 353, 136520.	5.2	22
14	Reversible operation of La0Â·8Sr0Â·2MnO3 oxygen electrode infiltrated with Ruddlesden-Popper and perovskite lanthanum nickel cobaltite. International Journal of Hydrogen Energy, 2018, 43, 23091-23100.	7.1	15
15	Temperature dependency of activity of nano-catalysts on La0.6Sr0.4Co0.2Fe0.8O3â^'Î´ cathode of solid oxide fuel cells. Journal of Applied Electrochemistry, 2019, 49, 1113-1122.	2.9	15
16	Low-temperature synthesis of Sr2FeMoO6 double perovskite; structure, morphology, and magnetic properties. Ceramics International, 2020, 46, 16867-16878.	4.8	15
17	Co-electrolysis of CO2 and H2O on LaFe0.6Co0.4O3 promoted La0.75Sr0.25Cr0.5Mn0.5O3/YSZ electrode in solid oxide electrolysis cell. Electrochimica Acta, 2019, 299, 132-142.	5.2	13
18	Low temperature synthesis of nanostructured LiFePO4/C cathode material for lithium ion batteries. Materials Research Bulletin, 2020, 125, 110807.	5.2	13

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19	Performance Improvement of an Inhomogeneous Cathode by Infiltration. Fuel Cells, 2017, 17, 108-114.	2.4	12
20	Nano-structured Pd doped LaFe(Co)O3 perovskite; synthesis, characterization and catalytic behavior. Materials Chemistry and Physics, 2018, 205, 228-239.	4.0	11
21	Co2MnO4 spinel-palladium co-infiltrated La0.7Ca0.3Cr0.5Mn0.5O3â^' cathodes for intermediate temperature solid oxide fuel cells. Journal of Alloys and Compounds, 2011, 509, 9708-9717.	5.5	9
22	Investigation of the geometric property hull for infiltrated solid oxide fuel cell electrodes. International Journal of Energy Research, 2017, 41, 2318-2331.	4.5	8
23	Electrochemical performance of La_{0.8}Sr_{0.2}MnO₃ oxygen electrode promoted by Ruddlesdenâ€Popper structured La₂NiO₄. Journal of the American Ceramic Society, 2020, 103, 1332-1342.	3.8	8
24	LaFe0.6Co0.4O3 promoted LSCM/YSZ anode for direct utilization of methanol in solid oxide fuel cells. Ionics, 2020, 26, 1011-1018.	2.4	7
25	Low-temperature preparation and investigation of electrochemical properties of SFM/CGO composite electrode. Solid State Ionics, 2020, 356, 115435.	2.7	7
26	Geometric Modeling of Infiltrated Solid Oxide Fuel Cell Electrodes for Performance Optimization. , 2015, 11, 428-433.		5
27	Analysis of Deformation Behavior in Backwardâ€“Radialâ€“Forward Extrusion Process. Transactions of the Indian Institute of Metals, 2015, 68, 191-199.	1.5	5
28	Development of an SFMM/CGO composite electrode with stable electrochemical performance at different oxygen partial pressures. International Journal of Hydrogen Energy, 2022, 47, 7915-7931.	7.1	5
29	Analysis of fuel oxidation reaction steps in Ni/GDC anode electrode of solid oxide fuel cells by using palladium nanoparticles. , 2010, , .		3
30	Effect of Operational Condition on Performance and Durability of Solid Oxide Fuel Cell Fueled by Natural Gas. ECS Transactions, 2013, 57, 2939-2946.	0.5	2
31	Geometric Modeling of Infiltrated Solid Oxide Fuel Cell Electrodes with Directional Backbones. Fuel Cells, 2017, 17, 67-74.	2.4	2
32	Fabrication of porous titania sheet via tape casting: Microstructure and water permeability study. Ceramics International, 2020, 46, 8689-8694.	4.8	2
33	Processing ultrafine grained non-circular cross-section profiles via severe plastic deformation. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 572-580.	1.1	2
34	Magnetic and photocatalytic properties of CoFe2O4/Ni nanocomposites. Journal of Electroceramics, 2022, 48, 51-66.	2.0	2
35	Modeling of Nanostructured Palladium Anode in Solid Oxide Fuel Cells. Advanced Materials Research, 0, 829, 195-198.	0.3	1
36	An investigation on the effect of deposition parameters on nanostructured electrode of lithium ion batteries and their performance. AIP Conference Proceedings, 2018, , .	0.4	1

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37	Developing a Coupled Statistical and Monte Carlo Approach for Geometric Modeling and Optimizing of Infiltrated Solid Oxide Fuel Cell Electrode. Fuel Cells, 2019, 19, 112-124.	2.4	1
38	Lovastatin production by Aspergillus terreus in membrane gradostat bioreactor with two-stage feeding strategy. Preparative Biochemistry and Biotechnology, 2022, , 1-8.	1.9	1
39	Electrochemical performance and stability of LNC-infiltrated (La, Sr)MnO3 oxygen electrode. AIP Conference Proceedings, 2018, , .	0.4	0
40	Fatigue life evaluation of an ultrafine-grained pure aluminum. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 90-104.	1.1	0
41	Characterization of LaFe0.6Co0.4O3 washcoat layer on a monolithic substrate. Journal of the Australian Ceramic Society, 2020, 56, 149-155.	1.9	0