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List of Publications by Year
in descending order

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39 papers	2,918 citations	257450 24 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	2632 citing authors

#	Article	IF	Citations
1	A comparative study of Pt/Î³-Al2O3, Au/Î±-Fe2O3 and CuOâ€“CeO2 catalysts for the selective oxidation of carbon monoxide in excess hydrogen. Catalysis Today, 2002, 75, 157-167.	4.4	532
2	Kinetics of selective CO oxidation in excess of H2 over the nanostructured Cu0.1Ce0.9O2â¯y catalyst. Journal of Catalysis, 2003, 213, 135-150.	6.2	295
3	CuOâ€“CeO2 mixed oxide catalysts for the selective oxidation of carbon monoxide in excess hydrogen. Catalysis Letters, 2001, 73, 33-40.	2.6	256
4	Membranes based on phosphotungstic acid and polybenzimidazole for fuel cell application. Journal of Power Sources, 2000, 90, 231-235.	7.8	196
5	CWO of phenol on two differently prepared CuOâ€“CeO2 catalysts. Applied Catalysis B: Environmental, 2000, 28, 113-125.	20.2	193
6	Synthesis and characterization of proton-conducting materials containing dodecatungstophosphoric and dodecatungstosilic acid supported on silica. Journal of Power Sources, 1999, 79, 250-255.	7.8	132
7	Transient kinetic model of CO oxidation over aÂnanostructured Cu0.1Ce0.9O2â¯y catalyst. Journal of Catalysis, 2004, 222, 87-99.	6.2	119
8	Effect of ordering of PtCu₃nanoparticle structure on the activity and stability for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2014, 16, 13610-13615.	2.8	115
9	TPR, TPO, and TPD examinations of Cu0.15Ce0.85O2â¯y mixed oxides prepared by co-precipitation, by the solâ€“gel peroxide route, and by citric acid-assisted synthesis. Journal of Colloid and Interface Science, 2005, 285, 218-231.	9.4	107
10	Wet Oxidation of Phenol on Ce1â¯xCuxO2â¯Î´Catalyst. Journal of Catalysis, 1999, 184, 39-48.	6.2	100
11	High performance fuel cell based on phosphotungstic acid as proton conducting electrolyte. Electrochimica Acta, 1996, 41, 397-403.	5.2	96
12	Laws observed in the synthesis of zeolites having the structure of zsm-5 and varying chemical composition. Zeolites, 1983, 3, 311-320.	0.5	81
13	Kinetics of the waterâ€“gas shift reaction over nanostructured copperâ€“ceria catalysts. Applied Catalysis B: Environmental, 2006, 63, 194-200.	20.2	69
14	Intracrystalline self-diffusion of H2O and CH4 in ZSM-5 zeolites. Zeolites, 1986, 6, 213-216.	0.5	68
15	On the possibility of incorporating Mn(II) and Cr(III) in SAPO-34 in the presence of isopropylamine as a template. Zeolites, 1993, 13, 384-387.	0.5	67
16	Severe accelerated degradation of PEMFC platinum catalyst: A thin film IL-SEM study. Electrochemistry Communications, 2013, 30, 75-78.	4.7	60
17	Identical Location Scanning Electron Microscopy: A Case Study of Electrochemical Degradation of PtNi Nanoparticles Using a New Nondestructive Method. Journal of Physical Chemistry C, 2012, 116, 21326-21333.	3.1	59
18	Acidity and Catalytic Activity of MeAPSO-44 (Me = Co, Mn, Cr, Zn, Mg), SAPO-44, AlPO4-5, and AlPO4-14 Molecular Sieves in Methanol Dehydration. Journal of Catalysis, 1993, 139, 351-361.	6.2	53

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19	Fuel cells with H3PW12O40 a 29H2O as solid electrolyte. International Journal of Hydrogen Energy, 1997, 22, 809-814.	7.1	44
20	New Pt-skin electrocatalysts for oxygen reduction and methanol oxidation reactions. Electrochemistry Communications, 2012, 23, 125-128.	4.7	40
21	Nanostructured CuxCe1â^'xO2â^'y mixed oxide catalysts: Characterization and WGS activity tests. Journal of Colloid and Interface Science, 2007, 307, 145-157.	9.4	36
22	Time Evolution of the Stability and Oxygen Reduction Reaction Activity of PtCu/C Nanoparticles. ChemCatChem, 2013, 5, 2627-2635.	3.7	28
23	Silicotungstic acid/organically modified silane proton-conducting membranes. Journal of Solid State Electrochemistry, 2005, 9, 106-113.	2.5	25
24	Enhanced Oxygen Reduction and Methanol Oxidation Reaction Activities of Partially Ordered PtCu Nanoparticles. Energy Procedia, 2012, 29, 208-215.	1.8	25
25	A miniature fuel reformer system for portable power sources. Journal of Power Sources, 2014, 271, 392-400.	7.8	22
26	CO Oxidation Kinetics over a Nanostructured Cu_{0.1}Ce_{0.9}O_{2-y}Catalyst: A CO/O₂Concentration Cycling Study. Topics in Catalysis, 2004, 30/31, 445-449.	2.8	14
27	Insight on Single Cell Proton Exchange Membrane Fuel Cell Performance of Pt-Cu/C Cathode. Catalysts, 2019, 9, 544.	3.5	14
28	Modeling of methanol decomposition on Pt/CeO2/ZrO2 catalyst in a packed bed microreactor. Journal of Power Sources, 2014, 256, 80-87.	7.8	13
29	New all-atom force field for molecular dynamics simulation of an AlPO4-34 molecular sieve. Journal of Computational Chemistry, 2008, 29, 122-129.	3.3	11
30	Computational fluid dynamics study of phosphotungstic acid electrolyte-based fuel cell (PWAFC). Journal of Power Sources, 2001, 96, 303-320.	7.8	10
31	Correlation between national development indicators and the implementation of a hydrogen economy in Slovenia. International Journal of Hydrogen Energy, 2012, 37, 5468-5480.	7.1	10
32	Si based methanol catalytic micro combustor for integrated steam reformer applications. Sensors and Actuators A: Physical, 2012, 180, 127-136.	4.1	8
33	Ion exchange of UO22+ in the Naî—¸Y, FAU synthetic zeolite at high temperature. Journal of Inorganic and Nuclear Chemistry, 1979, 41, 91-94.	0.5	7
34	3D LTCC structure for a large-volume cavity-type chemical microreactor. Microelectronics International, 2015, 32, 133-137.	0.6	7
35	The LTCC combustor for ceramic micro-reactor for steam reforming. , 2011, , .		3
36	Catalysis and Chemical Reaction Engineering. , 2006, , 195-228.		1

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37	Design and Fabrication of a Complex LTCC-Based Reactor for the Production of Hydrogen for Portable PEM Fuel Cells. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2011, 2011, 000023-000028.	0.2	1
38	Hydrogen Production. Green Energy and Technology, 2008, , 15-79.	0.6	1
39	Hydrogen Production and Cleaning from Renewable Feedstock. , 2006, , 157-197.		0