# Stanko Hocevar

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 | Insight on Single Cell Proton Exchange Membrane Fuel Cell Performance of Pt-Cu/C Cathode. Catalysts, 2019, 9, 544. | 3.5 | 14 |
| 2 | 3D LTCC structure for a large-volume cavity-type chemical microreactor. Microelectronics International, 2015, 32, 133-137. | 0.6 | 7 |
| 3 | 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 |
| 4 | Effect of ordering of PtCu<sub>3</sub>nanoparticle structure on the activity and stability for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2014, 16, 13610-13615. | 2.8 | 115 |
| 5 | A miniature fuel reformer system for portable power sources. Journal of Power Sources, 2014, 271, 392-400. | 7.8 | 22 |
| 6 | Time Evolution of the Stability and Oxygen Reduction Reaction Activity of PtCu/C Nanoparticles. ChemCatChem, 2013, 5, 2627-2635. | 3.7 | 28 |
| 7 | Severe accelerated degradation of PEMFC platinum catalyst: A thin film IL-SEM study. Electrochemistry Communications, 2013, 30, 75-78. | 4.7 | 60 |
| 8 | New Pt-skin electrocatalysts for oxygen reduction and methanol oxidation reactions. Electrochemistry Communications, 2012, 23, 125-128. | 4.7 | 40 |
| 9 | 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 |
| 10 | Si based methanol catalytic micro combustor for integrated steam reformer applications. Sensors and Actuators A: Physical, 2012, 180, 127-136. | 4.1 | 8 |
| 11 | Enhanced Oxygen Reduction and Methanol Oxidation Reaction Activities of Partially Ordered PtCu Nanoparticles. Energy Procedia, 2012, 29, 208-215. | 1.8 | 25 |
| 12 | 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 |
| 13 | The LTCC combustor for ceramic micro-reactor for steam reforming. , 2011, , . | | 3 |
| 14 | 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 |
| 15 | 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 |
| 16 | Hydrogen Production. Green Energy and Technology, 2008, , 15-79. | 0.6 | 1 |
| 17 | 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 |
| 18 | Kinetics of the waterâ€“gas shift reaction over nanostructured copperâ€“ceria catalysts. Applied Catalysis B: Environmental, 2006, 63, 194-200. | 20.2 | 69 |

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|---|---|---|---|
| 19 | Catalysis and Chemical Reaction Engineering. , 2006, , 195-228. | | 1 |
| 20 | Hydrogen Production and Cleaning from Renewable Feedstock. , 2006, , 157-197. | | 0 |
| 21 | 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 |
| 22 | Silicotungstic acid/organically modified silane proton-conducting membranes. Journal of Solid State Electrochemistry, 2005, 9, 106-113. | 2.5 | 25 |
| 23 | CO Oxidation Kinetics over a Nanostructured Cu<sub>0.1</sub>Ce<sub>0.9</sub>O<sub>2-y</sub>Catalyst: A CO/O<sub>2</sub>Concentration Cycling Study. Topics in Catalysis, 2004, 30/31, 445-449. | 2.8 | 14 |
| 24 | Transient kinetic model of CO oxidation over aÂnanostructured Cu0.1Ce0.9O2â˜y catalyst. Journal of Catalysis, 2004, 222, 87-99. | 6.2 | 119 |
| 25 | 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 |
| 26 | 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 |
| 27 | Computational fluid dynamics study of phosphotungstic acid electrolyte-based fuel cell (PWAFC). Journal of Power Sources, 2001, 96, 303-320. | 7.8 | 10 |
| 28 | CuOâ€“CeO2 mixed oxide catalysts for the selective oxidation of carbon monoxide in excess hydrogen. Catalysis Letters, 2001, 73, 33-40. | 2.6 | 256 |
| 29 | Membranes based on phosphotungstic acid and polybenzimidazole for fuel cell application. Journal of Power Sources, 2000, 90, 231-235. | 7.8 | 196 |
| 30 | CWO of phenol on two differently prepared CuOâ€“CeO2 catalysts. Applied Catalysis B: Environmental, 2000, 28, 113-125. | 20.2 | 193 |
| 31 | 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 |
| 32 | Wet Oxidation of Phenol on Ce1â˜xCuxO2â˜Î´Catalyst. Journal of Catalysis, 1999, 184, 39-48. | 6.2 | 100 |
| 33 | Fuel cells with H3PW12O40 a 29H2O as solid electrolyte. International Journal of Hydrogen Energy, 1997, 22, 809-814. | 7.1 | 44 |
| 34 | High performance fuel cell based on phosphotungstic acid as proton conducting electrolyte. Electrochimica Acta, 1996, 41, 397-403. | 5.2 | 96 |
| 35 | 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 |
| 36 | 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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|---|---|---|---|
| 37 | Intracrystalline self-diffusion of H2O and CH4 in ZSM-5 zeolites. Zeolites, 1986, 6, 213-216. | 0.5 | 68 |
| 38 | 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 |
| 39 | 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 |