# Lorenzo Spadaro

List of Publications by Year
in descending order

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|---|---|---|---|
| 63 papers | 4,464 citations | 117453 34 h-index | 123241 61 g-index |
| 65 all docs | 65 docs citations | 65 times ranked | 4397 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. | 1.6 | 3 |
| 2 | Copper-Iron-Zinc-Cerium oxide compositions as most suitable catalytic materials for the synthesis of green fuels via CO2 hydrogenation. Catalysis Today, 2021, 379, 230-239. | 2.2 | 11 |
| 3 | Tailoring manganese oxide catalysts for the total oxidation of pollutants in gas and liquid phase. Applied Catalysis A: General, 2021, 610, 117917. | 2.2 | 6 |
| 4 | Effect of Germanium Incorporation on the Electrochemical Performance of Electrospun Fe2O3 Nanofibers-Based Anodes in Sodium-Ion Batteries. Applied Sciences (Switzerland), 2021, 11, 1483. | 1.3 | 5 |
| 5 | Effective low-temperature catalytic methane oxidation over MnCeOx catalytic compositions. Catalysis Today, 2021, 379, 240-249. | 2.2 | 15 |
| 6 | Effect of Hematite Doping with Aliovalent Impurities on the Electrochemical Performance of Î±-Fe2O3@rGO-Based Anodes in Sodium-Ion Batteries. Nanomaterials, 2020, 10, 1588. | 1.9 | 10 |
| 7 | Clean Syn-Fuels via Hydrogenation Processes: Acidityâ€“Activity Relationship in O-Xylene Hydrotreating. ChemEngineering, 2020, 4, 4. | 1.0 | 2 |
| 8 | Totally-green Fuels via CO2 Hydrogenation. Bulletin of Chemical Reaction Engineering and Catalysis, 2020, 15, 390-404. | 0.5 | 5 |
| 9 | Definitive Assessment of the Level of Risk of Exhausted Catalysts: Characterization of Ni and V Contaminates at the Limit of Detection. Topics in Catalysis, 2019, 62, 266-272. | 1.3 | 4 |
| 10 | A New Class of MnCeOx Materials for the Catalytic Gas Exhausts Emission Control: A Study of the CO Model Compound Oxidation. Topics in Catalysis, 2019, 62, 259-265. | 1.3 | 10 |
| 11 | Which Future Route in the Methanol Synthesis? Photocatalytic Reduction of CO 2 , the New Challenge in the Solar Energy Exploitation. , 2018, , 429-472. | | 7 |
| 12 | On the promotional effect of Cu on Pt for hydrazine electrooxidation in alkaline medium. Applied Catalysis B: Environmental, 2018, 236, 36-44. | 10.8 | 46 |
| 13 | A definitive assessment of the CO oxidation pattern of a nanocomposite MnCeO<sub>x</sub> catalyst. Reaction Chemistry and Engineering, 2018, 3, 293-300. | 1.9 | 17 |
| 14 | Sunfuels from CO2 exhaust emissions: Insights into the role of photoreactor configuration by the study in laboratory and industrial environment. Journal of CO2 Utilization, 2018, 26, 445-453. | 3.3 | 13 |
| 15 | CO 2 reduction to alcohols in a polymer electrolyte membrane co-electrolysis cell operating at low potentials. Electrochimica Acta, 2017, 241, 28-40. | 2.6 | 46 |
| 16 | Probing the functionality of nanostructured MnCeO x catalysts in the carbon monoxide oxidation. Applied Catalysis B: Environmental, 2017, 210, 14-22. | 10.8 | 52 |
| 17 | Probing the functionality of nanostructured MnCeOx catalysts in the carbon monoxide oxidation. Applied Catalysis B: Environmental, 2017, 218, 803-809. | 10.8 | 25 |
| 18 | Hydrogen Utilization in Green Fuel Synthesis via CO2 Conversion to Methanol over New Cu-Based Catalysts. ChemEngineering, 2017, 1, 19. | 1.0 | 11 |

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|---|---|---|---|
| 19 | Kinetic energy harvesting: Toward autonomous wearable sensing for Internet of Things. , 2016, , . | | 29 |
| 20 | Poster Abstract: KinetiSee - A Perpetual Wearable Camera Acquisition System with a Kinetic Harvester. , 2016, , . | | 7 |
| 21 | Nanostructured MnO catalysts in the liquid phase selective oxidation of benzyl alcohol with oxygen. Applied Catalysis B: Environmental, 2015, 170-171, 233-240. | 10.8 | 24 |
| 22 | Recent advances on wet air oxidation catalysts for treatment of industrial wastewaters. Inorganica Chimica Acta, 2015, 431, 101-109. | 1.2 | 83 |
| 23 | Valorization of crude bio-oil to sustainable energy vector for applications in cars powering and on-board reformers via catalytic hydrogenation. International Journal of Hydrogen Energy, 2015, 40, 14507-14518. | 3.8 | 12 |
| 24 | Nanostructured MnO x catalysts in the liquid phase selective oxidation of benzyl alcohol with oxygen: Part I. Effects of Ce and Fe addition on structure and reactivity. Applied Catalysis B: Environmental, 2015, 162, 260-267. | 10.8 | 63 |
| 25 | Latest Advances in the Catalytic Hydrogenation of Carbon Dioxide to Methanol/Dimethylether. Green Chemistry and Sustainable Technology, 2014, , 103-130. | 0.4 | 11 |
| 26 | A mechanistic assessment of the wet air oxidation activity of MnCeOx catalyst toward toxic and refractory organic pollutants. Applied Catalysis B: Environmental, 2014, 144, 292-299. | 10.8 | 25 |
| 27 | Catalytic behaviour of a bifunctional system for the one step synthesis of DME by CO2 hydrogenation. Catalysis Today, 2014, 228, 51-57. | 2.2 | 110 |
| 28 | Low-temperature graphitization of amorphous carbon nanospheres. Chinese Journal of Catalysis, 2014, 35, 869-876. | 6.9 | 43 |
| 29 | Effects of oxide carriers on surface functionality and process performance of the Cuâ€“ZnO system in the synthesis of methanol via CO2 hydrogenation. Journal of Catalysis, 2013, 300, 141-151. | 3.1 | 197 |
| 30 | How oxide carriers control the catalytic functionality of the Cuâ€“ZnO system in the hydrogenation of CO2 to methanol. Catalysis Today, 2013, 210, 39-46. | 2.2 | 89 |
| 31 | Glycerol Ethers Production and Engine Performance with Diesel/Ethers Blend. Topics in Catalysis, 2013, 56, 378-383. | 1.3 | 35 |
| 32 | Hybrid Cuâ€“ZnOâ€“ZrO2/H-ZSM5 system for the direct synthesis of DME by CO2 hydrogenation. Applied Catalysis B: Environmental, 2013, 140-141, 16-24. | 10.8 | 132 |
| 33 | Efficiency and reactivity pattern of ceria-based noble metal and transition metal-oxide catalysts in the wet air oxidation of phenol. Applied Catalysis B: Environmental, 2012, 115-116, 336-345. | 10.8 | 43 |
| 34 | Factors Controlling the Energy of Nitrogen Monolayer Coverage on High Surface Area Catalyst Oxide Carriers. Journal of Physical Chemistry C, 2011, 115, 24728-24733. | 1.5 | 4 |
| 35 | Raman scattering of MnO<sub>x</sub>ïŁ¿CeO<sub>x</sub> composite catalysts: structural aspects and laserâ€heating effects. Journal of Raman Spectroscopy, 2011, 42, 1583-1588. | 1.2 | 46 |
| 36 | Role of the ceria promoter and carrier on the functionality of Cu-based catalysts in the CO2-to-methanol hydrogenation reaction. Catalysis Today, 2011, 171, 251-256. | 2.2 | 98 |

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|---|---|---|---|
| 37 | Diesel-fuel improver production via novel heterogenized solid-acid catalysts. Chemical Engineering Journal, 2010, 161, 409-415. | 6.6 | 2 |
| 38 | Physico-chemical and catalytic properties of effective nanostructured MnCeOx systems for environmental applications. Studies in Surface Science and Catalysis, 2010, , 493-496. | 1.5 | 6 |
| 39 | Basic evidences for methanol-synthesis catalyst design. Catalysis Today, 2009, 143, 80-85. | 2.2 | 119 |
| 40 | Catalytic etherification of glycerol by tert-butyl alcohol to produce oxygenated additives for diesel fuel. Applied Catalysis A: General, 2009, 367, 77-83. | 2.2 | 181 |
| 41 | Nanosize Effects, Physicochemical Properties, And Catalytic Oxidation Pattern of the Redox-Precipitated MnCeO<sub>x</sub> System. Journal of Physical Chemistry C, 2009, 113, 2822-2829. | 1.5 | 40 |
| 42 | Solid-state interactions, adsorption sites and functionality of Cu-ZnO/ZrO2 catalysts in the CO2 hydrogenation to CH3OH. Applied Catalysis A: General, 2008, 350, 16-23. | 2.2 | 367 |
| 43 | Optimization of the MnCeOx system for the catalytic wet oxidation of phenol with oxygen (CWAO). Applied Catalysis B: Environmental, 2008, 85, 40-47. | 10.8 | 43 |
| 44 | Synthesis of highly dispersed MnCeOx catalysts via a novel â€œredox-precipitationâ€•route. Materials Research Bulletin, 2008, 43, 539-545. | 2.7 | 25 |
| 45 | Activity and stability of iron based catalysts in advanced fischer-tropsch technology via co2-rich syngas conversion. Studies in Surface Science and Catalysis, 2007, 167, 49-54. | 1.5 | 3 |
| 46 | Improved MnCeOxSystems for the Catalytic Wet Oxidation (CWO) of Phenol in Wastewater Streams. Industrial & Engineering Chemistry Research, 2007, 46, 6724-6731. | 1.8 | 48 |
| 47 | Basic Evidence of the Molecular Dispersion of MnCeOxCatalysts Synthesized via a Novel â€œRedox-Precipitationâ€•Route. Chemistry of Materials, 2007, 19, 2269-2276. | 3.2 | 139 |
| 48 | Oxygenated additives production for diesel engine emission improvement. Chemical Engineering Journal, 2007, 134, 239-245. | 6.6 | 69 |
| 49 | Synthesis, characterization and activity pattern of Cuâ€“ZnO/ZrO2 catalysts in the hydrogenation of carbon dioxide to methanol. Journal of Catalysis, 2007, 249, 185-194. | 3.1 | 468 |
| 50 | Physico-chemical properties and reactivity of Au/CeO2 catalysts in total and selective oxidation of CO. Catalysis Today, 2006, 116, 384-390. | 2.2 | 36 |
| 51 | Activity pattern of low-loaded FeOx/SiO2 catalysts in the selective oxidation of C1 and C3 alkanes with oxygen. Catalysis Today, 2006, 117, 75-79. | 2.2 | 19 |
| 52 | A basic assessment of the reactivity of Ni catalysts in the decomposition of methane for the production of â€œCOx-freeâ€•hydrogen for fuel cells application. Catalysis Today, 2006, 116, 298-303. | 2.2 | 43 |
| 53 | Probing the factors affecting structure and activity of the Au/CeO2 system in total and preferential oxidation of CO. Applied Catalysis B: Environmental, 2006, 66, 81-91. | 10.8 | 96 |
| 54 | Structure and reactivity in the selective oxidation of methane to formaldehyde of low-loaded FeOx/SiO2 catalysts. Journal of Catalysis, 2005, 231, 365-380. | 3.1 | 87 |

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|---|---|---|---|
| 55 | Metalâ€“support interactions and reactivity of Co/CeO2 catalysts in the Fischerâ€“Tropsch synthesis reaction. Journal of Catalysis, 2005, 234, 451-462. | 3.1 | 109 |
| 56 | Potassium improved stability of Ni/MgO in the steam reforming of ethanol for the production of hydrogen for MCFC. Journal of Power Sources, 2004, 132, 139-144. | 4.0 | 72 |
| 57 | Steam reforming of bio-ethanol on alkali-doped Ni/MgO catalysts: hydrogen production for MC fuel cell. Applied Catalysis A: General, 2004, 270, 1-7. | 2.2 | 214 |
| 58 | H2 production for MC fuel cell by steam reforming of ethanol over MgO supported Pd, Rh, Ni and Co catalysts. Catalysis Communications, 2004, 5, 611-615. | 1.6 | 284 |
| 59 | Production of hydrogen for MC fuel cell by steam reforming of ethanol over MgO supported Ni and Co catalysts. Catalysis Communications, 2003, 4, 259-268. | 1.6 | 182 |
| 60 | Promoting Effect of CeO2in Combustion Synthesized Pt/CeO2Catalyst for CO Oxidation. Journal of Physical Chemistry B, 2003, 107, 6122-6130. | 1.2 | 273 |
| 61 | Steam reforming of ethanol on Ni/MgO catalysts: H2 production for MCFC. Journal of Power Sources, 2002, 108, 53-57. | 4.0 | 116 |
| 62 | TEM evidence for factors affecting the genesis of carbon species on bare and K-promoted Ni/MgO catalysts during the dry reforming of methane. Carbon, 2002, 40, 1063-1070. | 5.4 | 71 |
| 63 | Highly effective oxide catalyst for the detoxification of oil mill wastewaters by the wet air oxidation process. Desalination and Water Treatment, 0, , 1-6. | 1.0 | 3 |