

Mariana M V M Souza

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

2,765
citations

30
h-index

50
g-index

101
ext. papers

3,071
ext. citations

4.6
avg, IF

5.46
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 94 | Hydrogen production from steam reforming of acetic acid over Pt-Ni bimetallic catalysts supported on ZrO ₂ . <i>Biomass and Bioenergy</i> , 2022 , 156, 106317 | 5.3 | 3 |
| 93 | Renewable Hydrogen Production from Butanol Steam Reforming over Nickel Catalysts Promoted by Lanthanides. <i>Processes</i> , 2021 , 9, 1815 | 2.9 | |
| 92 | Effect of Magnesia Addition in Stability of Cobalt Catalysts Supported on Alumina for Hydrogen Generation by Glycerol Steam Reforming. <i>Catalysis Letters</i> , 2021 , 151, 980-992 | 2.8 | 4 |
| 91 | Synthesis and characterization of hydrocalumite for removal of fluoride from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 22439-22457 | 5.1 | 0 |
| 90 | Phosphotungstic acid on activated carbon: A remarkable catalyst for 5-hydroxymethylfurfural production. <i>Molecular Catalysis</i> , 2021 , 500, 111334 | 3.3 | 5 |
| 89 | X-ray powder diffraction data of LaNi _{0.5} Ti _{0.45} Co _{0.05} O ₃ , LaNi _{0.45} Co _{0.05} Ti _{0.5} O ₃ , and LaNi _{0.5} Ti _{0.5} O ₃ perovskites. <i>Powder Diffraction</i> , 2021 , 36, 29-34 | 1.8 | 1 |
| 88 | Hydrogenolysis of glycerol to 1,2-propanediol without external H ₂ addition in alkaline medium using Ni-Cu catalysts supported on Y zeolite. <i>Renewable Energy</i> , 2020 , 160, 919-930 | 8.1 | 21 |
| 87 | Effect of Pt/HZSM-5 dealumination by high temperature reduction on glycerol oxidation. <i>Journal of Porous Materials</i> , 2020 , 27, 707-717 | 2.4 | 5 |
| 86 | Effect of niobia addition on cobalt catalysts supported on alumina for glycerol steam reforming. <i>Renewable Energy</i> , 2020 , 148, 864-875 | 8.1 | 16 |
| 85 | Stability of Ni catalysts promoted with niobia for butanol steam reforming. <i>Biomass and Bioenergy</i> , 2020 , 143, 105882 | 5.3 | 2 |
| 84 | Effect of alkaline earth oxides on nickel catalysts supported over Alumina for butanol steam reforming: Coke formation and deactivation process. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 22906-22920 | 6.7 | 10 |
| 83 | Glycerol carbonate production from transesterification of glycerol with diethyl carbonate catalyzed by Ca/Al-mixed oxides derived from hydrocalumite. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1 | 2.3 | 5 |
| 82 | Cu catalysts supported on CaO/MgO for glycerol conversion to lactic acid in alkaline medium employing a continuous flow reaction system.. <i>RSC Advances</i> , 2020 , 10, 31123-31138 | 3.7 | 2 |
| 81 | SYNTHESIS AND CHARACTERIZATION OF HYDROCALUMITE: INFLUENCE OF AGING CONDITIONS ON THE STRUCTURE, TEXTURAL PROPERTIES, THERMAL STABILITY, AND BASICITY. <i>Clays and Clay Minerals</i> , 2020 , 68, 273-286 | 2.1 | |
| 80 | Ni/x%Nb ₂ O ₅ /Al ₂ O ₃ Catalysts Prepared via Coprecipitation-Wet Impregnation Method for Methane Steam Reforming. <i>Current Catalysis</i> , 2020 , 9, 80-89 | 0.4 | |
| 79 | An evaluation of calcined hydrocalumite as carbon dioxide adsorbent using thermogravimetric analysis. <i>Applied Clay Science</i> , 2019 , 182, 105252 | 5.2 | 6 |
| 78 | Effect of CaO Addition on Nickel Catalysts Supported on Alumina for Glycerol Steam Reforming. <i>Catalysis Letters</i> , 2019 , 149, 1991-2003 | 2.8 | 11 |

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| 77 | Evaluation of Operational Cycles for Long-Term Run of a Tar Removal Catalytic System. <i>Chemical Engineering and Technology</i> , 2019 , 42, 980-986 | 2 | 1 |
| 76 | Effect of Doping Niobia over Ni/Al ₂ O ₃ Catalysts for Methane Steam Reforming. <i>Catalysis Letters</i> , 2018 , 148, 1478-1489 | 2.8 | 9 |
| 75 | Methyl ester production by esterification/transesterification reactions on continuous test using SBA-15 catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5452-5458 | 6.8 | 1 |
| 74 | Lactic acid production from glycerol in alkaline medium using Pt-based catalysts in continuous flow reaction system. <i>Renewable Energy</i> , 2018 , 118, 160-171 | 8.1 | 18 |
| 73 | Hydrogenolysis of glycerol to propylene glycol in continuous system without hydrogen addition over Cu-Ni catalysts. <i>Applied Catalysis B: Environmental</i> , 2018 , 220, 31-41 | 21.8 | 75 |
| 72 | Hydrogen production from glycerol steam reforming over nickel catalysts supported on alumina and niobia: Deactivation process, effect of reaction conditions and kinetic modeling. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15064-15082 | 6.7 | 29 |
| 71 | Synthesis of 5-hydroxymethylfurfural from fructose catalyzed by phosphotungstic acid. <i>Catalysis Today</i> , 2017 , 279, 296-304 | 5.3 | 53 |
| 70 | Application of Brazilian dolomites and mixed oxides as catalysts in tar removal system. <i>Applied Catalysis A: General</i> , 2017 , 536, 1-8 | 5.1 | 28 |
| 69 | B-cation partial substitution of double perovskite La ₂ NiTiO ₆ by Co ²⁺ : Effect on crystal structure, reduction behavior and catalytic activity. <i>Catalysis Communications</i> , 2017 , 97, 93-97 | 3.2 | 5 |
| 68 | Perovskite-based catalysts for tar removal by steam reforming: Effect of the presence of hydrogen sulfide. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9873-9880 | 6.7 | 30 |
| 67 | Steam Reforming of Methane Over Catalyst Derived from Ordered Double Perovskite: Effect of Crystalline Phase Transformation. <i>Catalysis Letters</i> , 2016 , 146, 47-53 | 2.8 | 15 |
| 66 | Copper as promoter of the NiO/CeO ₂ catalyst in the preferential CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 257-265 | 21.8 | 75 |
| 65 | Coking Study of Nickel Catalysts Using Model Compounds. <i>Catalysis Letters</i> , 2016 , 146, 1435-1444 | 2.8 | 8 |
| 64 | CO ₂ capture by Mg-Al and Zn-Al hydrotalcite-like compounds. <i>Adsorption</i> , 2016 , 22, 151-158 | 2.6 | 12 |
| 63 | Continuous production of lactic acid from glycerol in alkaline medium using supported copper catalysts. <i>Fuel Processing Technology</i> , 2016 , 144, 170-180 | 7.2 | 35 |
| 62 | Combined DFT and experimental study of the dispersion and interaction of copper species in Ni-CeO ₂ nanosized solid solutions. <i>RSC Advances</i> , 2016 , 6, 5057-5067 | 3.7 | 4 |
| 61 | Steam Reforming of Tar Model Compounds Over Nickel Catalysts Supported on Barium Hexaaluminate. <i>Catalysis Letters</i> , 2015 , 145, 541-548 | 2.8 | 18 |
| 60 | OPTIMIZATION OF PRODUCTION OF 5-HYDROXYMETHYLFURFURAL FROM GLUCOSE IN A WATER: ACETONE BIPHASIC SYSTEM. <i>Brazilian Journal of Chemical Engineering</i> , 2015 , 32, 501-508 | 1.7 | 2 |

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| 59 | PRODUCTION OF 5-HYDROXYMETHYLFURFURAL (HMF) VIA FRUCTOSE DEHYDRATION: EFFECT OF SOLVENT AND SALTING-OUT. <i>Brazilian Journal of Chemical Engineering</i> , 2015 , 32, 119-126 | 1.7 | 42 |
| 58 | Coking resistance evaluation of tar removal catalysts. <i>Catalysis Communications</i> , 2015 , 71, 79-83 | 3.2 | 20 |
| 57 | Production of Renewable Hydrogen by Glycerol Steam Reforming Using Ni-Cu-Mg-Al Mixed Oxides Obtained from Hydrotalcite-like Compounds. <i>Catalysis Letters</i> , 2014 , 144, 867-877 | 2.8 | 17 |
| 56 | Removal of boron from oilfield wastewater via adsorption with synthetic layered double hydroxides. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014 , 49, 923-32 | 2.3 | 14 |
| 55 | Steam reforming of tar using toluene as a model compound with nickel catalysts supported on hexaaluminates. <i>Applied Catalysis A: General</i> , 2014 , 478, 234-240 | 5.1 | 50 |
| 54 | Steam reforming of model gasification tar compounds over nickel catalysts prepared from hydrotalcite precursors. <i>Fuel Processing Technology</i> , 2014 , 121, 76-82 | 7.2 | 90 |
| 53 | TAR REMOVAL FROM BIOMASS GASIFICATION STREAMS: PROCESSES AND CATALYSTS. <i>Quimica Nova</i> , 2014 , 37, | 1.6 | 2 |
| 52 | Palladium supported on clays to catalytic deoxygenation of soybean fatty acids. <i>Applied Clay Science</i> , 2014 , 95, 388-395 | 5.2 | 13 |
| 51 | Production of Renewable Hydrogen by Aqueous-Phase Reforming of Glycerol Over Ni-Cu Catalysts Derived from Hydrotalcite Precursors 2014 , 413-426 | | 1 |
| 50 | Characterization of yttria-stabilized zirconia films deposited by dip-coating on La _{0.7} Sr _{0.3} MnO ₃ substrate: Influence of synthesis parameters. <i>Journal of Advanced Ceramics</i> , 2013 , 2, 55-62 | 10.7 | 6 |
| 49 | Structural and electrical properties of La _{0.7} Sr _{0.3} Co _{0.5} Fe _{0.5} O ₃ powders synthesized by solid state reaction. <i>Ceramics International</i> , 2013 , 39, 7975-7982 | 5.1 | 10 |
| 48 | Production of renewable hydrogen by aqueous-phase reforming of glycerol over Ni-Cu catalysts derived from hydrotalcite precursors. <i>Renewable Energy</i> , 2013 , 50, 408-414 | 8.1 | 65 |
| 47 | Synthesis of La _{0.7} Sr _{0.3} MnO ₃ thin films supported on Fe-Cr alloy by sol-gel/dip-coating process: Evaluation of deposition parameters. <i>Thin Solid Films</i> , 2013 , 534, 218-225 | 2.2 | 10 |
| 46 | La _{0.7} Sr _{0.3} MnO ₃ -coated SS444 alloy by dip-coating process for metallic interconnect supported Solid Oxide Fuel Cells. <i>Journal of Power Sources</i> , 2013 , 241, 159-167 | 8.9 | 20 |
| 45 | Thin films of La _{0.7} Sr _{0.3} MnO ₃ dip-coated on Fe-Cr alloys for SOFC metallic interconnect. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15335-15347 | 6.7 | 10 |
| 44 | Aqueous-phase reforming of glycerol using Ni-Cu catalysts prepared from hydrotalcite-like precursors. <i>Catalysis Science and Technology</i> , 2013 , 3, 1278 | 5.5 | 46 |
| 43 | Production of hydrogen from steam reforming of glycerol using nickel catalysts supported on Al ₂ O ₃ , CeO ₂ and ZrO ₂ . <i>Catalysis for Sustainable Energy</i> , 2013 , 1, | 0.6 | 8 |
| 42 | Síntese de pó de LaMnO ₃ e LaCrO ₃ dopados com Sr pelo método de combustão: caracterização estrutural e avaliação termodinâmica. <i>Ceramica</i> , 2012 , 58, 521-528 | 1 | 10 |

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| 41 | Synthesis of Sr-doped LaCrO ₃ powders by combustion method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 109, 33-38 | 4.1 | 10 |
| 40 | Partial oxidation of methane over Ni-Co perovskite catalysts. <i>Catalysis Communications</i> , 2011 , 12, 665-668 | 6.8 | 42 |
| 39 | Combustion synthesis of La _{0.7} Sr _{0.3} Co _{0.5} Fe _{0.5} O ₃ (LSCF) porous materials for application as cathode in IT-SOFC. <i>Materials Research Bulletin</i> , 2011 , 46, 308-314 | 5.1 | 63 |
| 38 | Drifts and TPD analyses of ethanol on Pt catalysts over Al ₂ O ₃ and ZrO ₂ -partial oxidation of ethanol. <i>Canadian Journal of Chemical Engineering</i> , 2011 , 89, 1166-1175 | 2.3 | 23 |
| 37 | Synthesis of La _{1-x} Sr _x MnO ₃ powders by polymerizable complex method: Evaluation of structural, morphological and electrical properties. <i>Ceramics International</i> , 2011 , 37, 2229-2236 | 5.1 | 15 |
| 36 | Hydrogen production by aqueous-phase reforming of glycerol over nickel catalysts supported on CeO ₂ . <i>Fuel Processing Technology</i> , 2011 , 92, 330-335 | 7.2 | 90 |
| 35 | Incorporation of cerium ions by sonication in Ni-Mg-Al layered double hydroxides. <i>Applied Clay Science</i> , 2010 , 48, 542-546 | 5.2 | 16 |
| 34 | Investigation of activity losses of gold nanoparticles in the CO selective oxidation. <i>Journal of Power Sources</i> , 2010 , 195, 7386-7390 | 8.9 | 5 |
| 33 | Biodiesel production from soybean oil and methanol using hydrotalcites as catalyst. <i>Fuel Processing Technology</i> , 2010 , 91, 205-210 | 7.2 | 109 |
| 32 | Synthesis of NiAl ₂ O ₄ with high surface area as precursor of Ni nanoparticles for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 11725-11732 | 6.7 | 64 |
| 31 | Solid-state Synthesis of La _{0.7} Sr _{0.3} MnO ₃ Powders using Different Grinding Times. <i>ECS Transactions</i> , 2009 , 25, 2301-2308 | 1 | 3 |
| 30 | Influence of the synthesis method on the porosity, microstructure and electrical properties of La _{0.7} Sr _{0.3} MnO ₃ cathode materials. <i>Materials Characterization</i> , 2009 , 60, 1417-1423 | 3.9 | 41 |
| 29 | Effect of propellant on the combustion synthesized Sr-doped LaMnO ₃ powders. <i>Ceramics International</i> , 2009 , 35, 1683-1687 | 5.1 | 33 |
| 28 | Structural Transformation of Cu-Mg-Al Mixed Oxide Catalysts Derived from Hydrotalcites During Shift Reaction. <i>Catalysis Letters</i> , 2009 , 132, 58-63 | 2.8 | 14 |
| 27 | Ethanol reforming and partial oxidation with Cu/Nb ₂ O ₅ catalyst. <i>Catalysis Today</i> , 2009 , 142, 252-257 | 5.3 | 32 |
| 26 | Effect of the fuel type on the synthesis of yttria stabilized zirconia by combustion method. <i>Ceramics International</i> , 2009 , 35, 3441-3446 | 5.1 | 24 |
| 25 | Investigating the microstructure and catalytic properties of Ni/YSZ cermets as anodes for SOFC applications. <i>Applied Catalysis A: General</i> , 2009 , 353, 305-309 | 5.1 | 39 |
| 24 | Hydrogen production by aqueous-phase reforming of ethanol over nickel catalysts prepared from hydrotalcite precursors. <i>Catalysis Communications</i> , 2008 , 9, 2606-2611 | 3.2 | 68 |

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| 23 | Combustion synthesis of copper catalysts for selective CO oxidation. <i>Journal of Power Sources</i> , 2008 , 179, 329-334 | 8.9 | 38 |
| 22 | Selective CO oxidation with nano gold particles-based catalysts over Al ₂ O ₃ and ZrO ₂ . <i>Applied Catalysis A: General</i> , 2008 , 347, 62-71 | 5.1 | 37 |
| 21 | Copper-based catalysts prepared from hydrotalcite precursors for shift reaction at low temperatures. <i>Catalysis Today</i> , 2008 , 133-135, 750-754 | 5.3 | 19 |
| 20 | Carbon formation and its influence on ethanol steam reforming over Ni/Al ₂ O ₃ catalysts. <i>Catalysis Today</i> , 2007 , 123, 257-264 | 5.3 | 195 |
| 19 | Study of Ni and Pt catalysts supported on γ -Al ₂ O ₃ and ZrO ₂ applied in methane reforming with CO ₂ . <i>Applied Catalysis A: General</i> , 2007 , 316, 175-183 | 5.1 | 170 |
| 18 | The effect of support on methane activation over Pt catalysts in the presence of MoO ₃ . <i>Applied Catalysis A: General</i> , 2007 , 318, 207-212 | 5.1 | 13 |
| 17 | Influence of the support in selective CO oxidation on Pt catalysts for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 425-429 | 6.7 | 55 |
| 16 | Autothermal reforming of methane over nickel catalysts prepared from hydrotalcite-like compounds. <i>Studies in Surface Science and Catalysis</i> , 2007 , 167, 451-456 | 1.8 | 3 |
| 15 | Methane oxidation – effect of support, precursor and pretreatment conditions – in situ reaction XPS and DRIFT. <i>Catalysis Today</i> , 2006 , 118, 392-401 | 5.3 | 76 |
| 14 | Synthesis Gas Production from Natural Gas on Supported Pt Catalysts. <i>Journal of Natural Gas Chemistry</i> , 2006 , 15, 21-27 | | 23 |
| 13 | Selective CO oxidation in the presence of H ₂ over Pt and Pt-Sn catalysts supported on niobia. <i>Journal of Power Sources</i> , 2006 , 158, 504-508 | 8.9 | 41 |
| 12 | Autothermal reforming of methane over Pt/ZrO ₂ /Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2005 , 281, 19-24 | 5.1 | 98 |
| 11 | Interpretation of kinetic data with selected characterizations of active sites. <i>Catalysis Today</i> , 2005 , 100, 145-150 | 5.3 | 2 |
| 10 | Study of the mechanism of the autothermal reforming of methane on supported Pt catalysts. <i>Studies in Surface Science and Catalysis</i> , 2004 , 147, 253-258 | 1.8 | 6 |
| 9 | Methane activation on alumina supported platinum, palladium, ruthenium and rhodium catalysts. <i>Studies in Surface Science and Catalysis</i> , 2004 , 147, 643-648 | 1.8 | 6 |
| 8 | Activation of supported nickel catalysts for carbon dioxide reforming of methane. <i>Applied Catalysis A: General</i> , 2004 , 272, 133-139 | 5.1 | 55 |
| 7 | Production of synthesis gas from natural gas using ZrO ₂ -supported platinum. <i>Studies in Surface Science and Catalysis</i> , 2004 , 147, 133-138 | 1.8 | 12 |
| 6 | Methane Conversion to Synthesis Gas by Partial Oxidation and CO ₂ Reforming over Supported Platinum Catalysts. <i>Catalysis Letters</i> , 2003 , 91, 11-17 | 2.8 | 29 |

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| 5 | Combination of carbon dioxide reforming and partial oxidation of methane over supported platinum catalysts. <i>Applied Catalysis A: General</i> , 2003 , 255, 83-92 | 5.1 | 66 |
| 4 | Coke Formation on Pt/ZrO ₂ /Al ₂ O ₃ Catalysts during CH ₄ Reforming with CO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 4681-4685 | 3.9 | 28 |
| 3 | Surface Characterization of Zirconia-Coated Alumina as Support for Pt Particles. <i>Physica Status Solidi A</i> , 2001 , 187, 297-303 | | 11 |
| 2 | Reforming of Methane with Carbon Dioxide over Pt/ZrO ₂ /Al ₂ O ₃ Catalysts. <i>Journal of Catalysis</i> , 2001 , 204, 498-511 | 7.3 | 146 |
| 1 | Cation reducibility of LaNi _{0.5} Ti _{0.5} O ₃ , LaNi _{0.5} Ti _{0.45} Co _{0.05} O ₃ , and LaNi _{0.45} Co _{0.05} Ti _{0.5} O ₃ perovskites from X-ray powder diffraction data using the Rietveld method. <i>Powder Diffraction</i> , 1-7 | 1.8 | |