

Samer Aouad

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,205
citations

361045

20
h-index

395343

33
g-index

53
all docs

53
docs citations

53
times ranked

1409
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | CO ₂ reforming of methane over Ni-Co/ZSM5 catalysts. Aging and carbon deposition study. International Journal of Hydrogen Energy, 2015, 40, 9201-9208. | 3.8 | 114 |
| 2 | Biodiesel production from refined sunflower vegetable oil over KOH/ZSM5 catalysts. Renewable Energy, 2016, 90, 301-306. | 4.3 | 107 |
| 3 | Simultaneous oxidation of carbon black and volatile organic compounds over Ru/CeO ₂ catalysts. Applied Catalysis B: Environmental, 2009, 88, 249-256. | 10.8 | 89 |
| 4 | Physicochemical characterization and catalytic performance of 10% Ag/CeO ₂ catalysts prepared by impregnation and deposition-precipitation. Journal of Catalysis, 2014, 320, 137-146. | 3.1 | 68 |
| 5 | A comparative study of Cu, Ag and Au doped CeO ₂ in the total oxidation of volatile organic compounds (VOCs). Materials Chemistry and Physics, 2016, 177, 570-576. | 2.0 | 64 |
| 6 | Biodiesel production from refined sunflower oil over Ca-Mg-Al catalysts: Effect of the composition and the thermal treatment. Renewable Energy, 2020, 146, 1242-1248. | 4.3 | 59 |
| 7 | Ni based catalysts promoted with cerium used in the steam reforming of toluene for hydrogen production. International Journal of Hydrogen Energy, 2017, 42, 12829-12840. | 3.8 | 47 |
| 8 | CO ₂ reforming of methane over Ni x Mg 6 x Al ₂ catalysts: Effect of lanthanum doping on catalytic activity and stability. International Journal of Hydrogen Energy, 2017, 42, 12808-12817. | 3.8 | 46 |
| 9 | Reactivity of Ru-based catalysts in the oxidation of propene and carbon black. Catalysis Today, 2007, 119, 273-277. | 2.2 | 41 |
| 10 | Carbon black oxidation in the presence of Al ₂ O ₃ , CeO ₂ , and Mn oxide catalysts: An EPR study. Catalysis Today, 2007, 119, 286-290. | 2.2 | 37 |
| 11 | Effect of La promotion on Ni/Mg-Al hydrotalcite derived catalysts for glycerol steam reforming. Journal of Environmental Chemical Engineering, 2020, 8, 104228. | 3.3 | 36 |
| 12 | Effects of cerium and lanthanum on Ni-based catalysts for CO ₂ reforming of toluene. Journal of Environmental Chemical Engineering, 2018, 6, 4743-4754. | 3.3 | 34 |
| 13 | Study of the Ru/Ce system in the oxidation of carbon black and volatile organic compounds. Kinetics and Catalysis, 2007, 48, 835-840. | 0.3 | 32 |
| 14 | A highly reactive and stable Ru/Co ₆ x Mg x Al ₂ catalyst for hydrogen production via methane steam reforming. International Journal of Hydrogen Energy, 2014, 39, 10101-10107. | 3.8 | 32 |
| 15 | Carbon black and propylene oxidation over Ru/Ce ZrO ₂ catalysts. Catalysis Communications, 2011, 12, 776-780. | 1.6 | 30 |
| 16 | Zirconia supported nickel catalysts for glycerol steam reforming: Effect of zirconia structure on the catalytic performance. International Journal of Hydrogen Energy, 2020, 45, 4457-4467. | 3.8 | 30 |
| 17 | CO ₂ reforming of methane over Ni and/or Ru catalysts supported on mesoporous KIT-6: Effect of promotion with Ce. Journal of Environmental Chemical Engineering, 2021, 9, 104662. | 3.3 | 30 |
| 18 | Glycerol steam reforming over Ru-Mg-Al hydrotalcite-derived mixed oxides: Role of the preparation method in catalytic activity. International Journal of Hydrogen Energy, 2018, 43, 19864-19872. | 3.8 | 27 |

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|----|---|-----|-----------|
| 19 | Pyrolysis of waste rubber tires with palladium doped zeolite. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103451. | 3.3 | 23 |
| 20 | Steam reforming of methanol over ruthenium impregnated ceria, alumina and ceria-alumina catalysts. <i>International Journal of Energy Research</i> , 2016, 40, 1287-1292. | 2.2 | 21 |
| 21 | Determination and assessment of total mercury levels in local, frozen and canned fish in Lebanon. <i>Journal of Environmental Sciences</i> , 2011, 23, 1564-1569. | 3.2 | 19 |
| 22 | Carbon black oxidation mechanism in loose and tight contacts with Al ₂ O ₃ and CeO ₂ catalysts. <i>Kinetics and Catalysis</i> , 2007, 48, 841-846. | 0.3 | 16 |
| 23 | Steam reforming of ethanol for hydrogen production over Cu/Co-Mg-Al-based catalysts prepared by hydrotalcite route. <i>Environmental Science and Pollution Research</i> , 2017, 24, 9907-9913. | 2.7 | 15 |
| 24 | Physicochemical characteristics, mutagenicity and genotoxicity of airborne particles under industrial and rural influences in Northern Lebanon. <i>Environmental Science and Pollution Research</i> , 2017, 24, 18782-18797. | 2.7 | 14 |
| 25 | Influence of the presence of ruthenium on the activity and stability of Co-Mg-Al-based catalysts in CO ₂ reforming of methane for syngas production. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22744-22760. | 2.7 | 13 |
| 26 | A Highly Selective and Stable Ruthenium-Nickel Supported on Ceria Catalyst for Carbon Dioxide Methanation. <i>ChemCatChem</i> , 2021, 13, 1559-1567. | 1.8 | 13 |
| 27 | The effect of copper content on the reactivity of Cu/CoAl ₂ solids in the catalytic steam reforming of methane reaction. <i>Comptes Rendus Chimie</i> , 2014, 17, 454-458. | 0.2 | 12 |
| 28 | Outstanding activity of a biodiesel coated K ₂ O/fumed silica catalyst in the transesterification reaction. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104665. | 3.3 | 12 |
| 29 | EPR investigation of the nature of oxygen species present on the surface of gold impregnated cerium oxide. <i>Materials Chemistry and Physics</i> , 2016, 170, 285-293. | 2.0 | 11 |
| 30 | Synthesis of Co-Ni and Cu-Ni based-catalysts for dry reforming of methane as potential components for SOFC anodes. <i>Ceramics International</i> , 2021, 47, 33191-33201. | 2.3 | 11 |
| 31 | Physicochemical characterization of Au/CeO ₂ solid. Part 1: The deposition-precipitation preparation method. <i>Materials Chemistry and Physics</i> , 2012, 137, 34-41. | 2.0 | 9 |
| 32 | Detection of adsorbed O ₂ species on CeO ₂ solid impregnated with Ag ²⁺ ions during its thermal treatment under a H ₂ atmosphere, an EPR study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29381-29386. | 1.3 | 9 |
| 33 | Hydrogen Production by Methane Steam Reforming Over Ru and Cu Supported on Hydrotalcite Precursors. <i>Advanced Materials Research</i> , 0, 324, 453-456. | 0.3 | 8 |
| 34 | Physicochemical characterization of Au/CeO ₂ solids. Part 2: The impregnation preparation method. <i>Materials Chemistry and Physics</i> , 2012, 137, 42-47. | 2.0 | 8 |
| 35 | The role of rehydration in enhancing the basic properties of Mg-Al hydrotalcites for biodiesel production. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100487. | 1.6 | 8 |
| 36 | Oxidation of carbon black, propene and toluene on highly reducible Co/SBA-15 catalysts. <i>Comptes Rendus Chimie</i> , 2014, 17, 913-919. | 0.2 | 7 |

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|----|--|-----|-----------|
| 37 | Catalytic Oxidation of Propylene, Toluene, Carbon Monoxide, and Carbon Black over Au/CeO ₂ Solids: Comparing the Impregnation and the Deposition-Precipitation Methods. Scientific World Journal, The, 2013, 2013, 1-6. | 0.8 | 6 |
| 38 | Physico-chemical investigation of catalytic oxidation sites in 4%Rh/CeO ₂ catalysts prepared by impregnation and deposition-precipitation methods. Chemical Physics, 2019, 527, 110472. | 0.9 | 6 |
| 39 | Carbon black and propylene oxidation over Ru/CoxMgyAl ₂ O ₃ catalysts. Comptes Rendus Chimie, 2013, 16, 868-871. | 0.2 | 5 |
| 40 | ESR Investigation of Active Sites in Ru/CeO ₂ Solids. Catalysis Letters, 2016, 146, 677-681. | 1.4 | 5 |
| 41 | Effect of alcohol type and amount on the total energy consumption and yield of the free fatty acids esterification reaction with simultaneous adsorptive water removal. Chemical Engineering Communications, 2018, 205, 689-697. | 1.5 | 5 |
| 42 | Correlation between the size and the magnetic properties of Ag ²⁺ clusters loaded on ceria surface and their catalytic performance in the total oxidation of propylene. EPR study. Chemical Physics, 2018, 502, 1-5. | 0.9 | 5 |
| 43 | Determination of levels of lead and cadmium contamination in meat products sold in northern lebanese markets. International Journal of Safety and Security Engineering, 2014, 4, 329-344. | 0.5 | 5 |
| 44 | Transesterification of Refined Sunflower Oil to Biodiesel Using a CaO/ZSM-5 Powder Catalyst. Chemical Engineering and Technology, 2022, 45, 51-57. | 0.9 | 5 |
| 45 | Catalytic Oxidation of Carbon Black Over Ru/CoxMgyAl ₂ Catalysts. Physics Procedia, 2011, 21, 1-5. | 1.2 | 4 |
| 46 | Adsorption of probe molecules to investigate by EPR the redox properties of silver loaded on ceria. Chemical Physics, 2019, 517, 131-137. | 0.9 | 3 |
| 47 | Activity of Highly Dispersed Co/SBA-15 Catalysts (Low Content) in Carbon Black Oxidation. Physics Procedia, 2014, 55, 231-236. | 1.2 | 2 |
| 48 | Steam reforming of toluene for hydrogen production over NiMgALCe catalysts prepared via hydrotalcite route. , 2016, , . | | 1 |
| 49 | CO ₂ Methanation over Ru and/or Ni based catalysts Osupported on KIT-6, Al ₂ O ₃ and CeO ₂ . , 2020, , . | | 1 |
| 50 | Syngas production via the dry reforming of methane reaction over Ni/ZSM5 and Co/ZSM5 catalysts. , 2015, , . | | 0 |
| 51 | Dry reforming of methane over Ni _x Mg _{6-x} Al _{1.8} La _{0.2} catalysts. , 2016, , . | | 0 |
| 52 | EPR simulation to confirm the formation of Ag ₆ O ₅ complex on the surface of 10% Ag/CeO ₂ catalyst after the propylene oxidation reaction. Chemical Physics Letters, 2018, 703, 94-96. | 1.2 | 0 |
| 53 | Understanding heterogeneous catalysis: A brief study on performance parameters. , 2022, , 1-18. | | 0 |