

# Samer Aouad

## List of Publications by Year in descending order

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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	Transesterification of Refined Sunflower Oil to Biodiesel Using a CaO/ZSM-5 Powder Catalyst. <i>Chemical Engineering and Technology</i> , 2022, 45, 51-57.	0.9	5
2	Understanding heterogeneous catalysis: A brief study on performance parameters. , 2022, , 1-18.		0
3	Outstanding activity of a biodiesel coated K <sub>2</sub> O/fumed silica catalyst in the transesterification reaction. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104665.	3.3	12
4	CO <sub>2</sub> reforming of methane over Ni and/or Ru catalysts supported on mesoporous KIT-6: Effect of promotion with Ce. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104662.	3.3	30
5	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
6	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
7	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
8	Biodiesel production from refined sunflower oil over Ca-Mg-Al catalysts: Effect of the composition and the thermal treatment. <i>Renewable Energy</i> , 2020, 146, 1242-1248.	4.3	59
9	Zirconia supported nickel catalysts for glycerol steam reforming: Effect of zirconia structure on the catalytic performance. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4457-4467.	3.8	30
10	Effect of La promotion on Ni/Mg-Al hydrotalcite derived catalysts for glycerol steam reforming. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104228.	3.3	36
11	CO <sub>2</sub> Methanation over Ru and/or Ni based catalysts supported on KIT-6, Al <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> . , 2020, , .		1
12	Physico-chemical investigation of catalytic oxidation sites in 4%Rh/CeO <sub>2</sub> catalysts prepared by impregnation and deposition-precipitation methods. <i>Chemical Physics</i> , 2019, 527, 110472.	0.9	6
13	Pyrolysis of waste rubber tires with palladium doped zeolite. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103451.	3.3	23
14	Adsorption of probe molecules to investigate by EPR the redox properties of silver loaded on ceria. <i>Chemical Physics</i> , 2019, 517, 131-137.	0.9	3
15	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. <i>Chemical Engineering Communications</i> , 2018, 205, 689-697.	1.5	5
16	Correlation between the size and the magnetic properties of Ag <sup>2+</sup> clusters loaded on ceria surface and their catalytic performance in the total oxidation of propylene. EPR study. <i>Chemical Physics</i> , 2018, 502, 1-5.	0.9	5
17	Glycerol steam reforming over Ru-Mg-Al hydrotalcite-derived mixed oxides: Role of the preparation method in catalytic activity. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19864-19872.	3.8	27
18	Effects of cerium and lanthanum on Ni-based catalysts for CO <sub>2</sub> reforming of toluene. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4743-4754.	3.3	34

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19	EPR simulation to confirm the formation of Ag <sub>6</sub> O <sub>5</sub> complex on the surface of 10% Ag/CeO <sub>2</sub> catalyst after the propylene oxidation reaction. <i>Chemical Physics Letters</i> , 2018, 703, 94-96.	1.2	0
20	CO <sub>2</sub> reforming of methane over Ni <sub>x</sub> Mg <sub>6-x</sub> Al <sub>2</sub> catalysts: Effect of lanthanum doping on catalytic activity and stability. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12808-12817.	3.8	46
21	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
22	Ni based catalysts promoted with cerium used in the steam reforming of toluene for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12829-12840.	3.8	47
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	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
25	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
26	A comparative study of Cu, Ag and Au doped CeO <sub>2</sub> in the total oxidation of volatile organic compounds (VOCs). <i>Materials Chemistry and Physics</i> , 2016, 177, 570-576.	2.0	64
27	Steam reforming of toluene for hydrogen production over NiMgAlCe catalysts prepared via hydrotalcite route. , 2016, , .		1
28	Influence of the presence of ruthenium on the activity and stability of Co-Mg-Al-based catalysts in CO <sub>2</sub> reforming of methane for syngas production. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22744-22760.	2.7	13
29	Detection of adsorbed O <sub>2</sub> <sup>•-</sup> species on CeO <sub>2</sub> solid impregnated with Ag <sup>2+</sup> ions during its thermal treatment under a H <sub>2</sub> atmosphere, an EPR study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29381-29386.	1.3	9
30	ESR Investigation of Active Sites in Ru/CeO <sub>2</sub> Solids. <i>Catalysis Letters</i> , 2016, 146, 677-681.	1.4	5
31	Dry reforming of methane over Ni <sub>x</sub> Mg <sub>6-x</sub> Al <sub>1.8</sub> La <sub>0.2</sub> catalysts. , 2016, , .		0
32	Biodiesel production from refined sunflower vegetable oil over KOH/ZSM5 catalysts. <i>Renewable Energy</i> , 2016, 90, 301-306.	4.3	107
33	Syngas production via the dry reforming of methane reaction over Ni/ZSM5 and Co/ZSM5 catalysts. , 2015, , .		0
34	CO <sub>2</sub> reforming of methane over Ni-Co/ZSM5 catalysts. Aging and carbon deposition study. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9201-9208.	3.8	114
35	Physicochemical characterization and catalytic performance of 10% Ag/CeO <sub>2</sub> catalysts prepared by impregnation and deposition-precipitation. <i>Journal of Catalysis</i> , 2014, 320, 137-146.	3.1	68
36	Activity of Highly Dispersed Co/SBA-15 Catalysts (Low Content) in Carbon Black Oxidation. <i>Physics Procedia</i> , 2014, 55, 231-236.	1.2	2

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37	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
38	The effect of copper content on the reactivity of Cu/Co6Al2 solids in the catalytic steam reforming of methane reaction. <i>Comptes Rendus Chimie</i> , 2014, 17, 454-458.	0.2	12
39	A highly reactive and stable Ru/Co6Al2 catalyst for hydrogen production via methane steam reforming. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10101-10107.	3.8	32
40	Determination of levels of lead and cadmium contamination in meat products sold in northern lebanese markets. <i>International Journal of Safety and Security Engineering</i> , 2014, 4, 329-344.	0.5	5
41	Carbon black and propylene oxidation over Ru/CoxMgyAl2Oz catalysts. <i>Comptes Rendus Chimie</i> , 2013, 16, 868-871.	0.2	5
42	Catalytic Oxidation of Propylene, Toluene, Carbon Monoxide, and Carbon Black over Au/CeO2 Solids: Comparing the Impregnation and the Deposition-Precipitation Methods. <i>Scientific World Journal</i> , The, 2013, 2013, 1-6.	0.8	6
43	Physicochemical characterization of Au/CeO2 solid. Part 1: The deposition-precipitation preparation method. <i>Materials Chemistry and Physics</i> , 2012, 137, 34-41.	2.0	9
44	Physicochemical characterization of Au/CeO2 solids. Part 2: The impregnation preparation method. <i>Materials Chemistry and Physics</i> , 2012, 137, 42-47.	2.0	8
45	Carbon black and propylene oxidation over Ru/Ce Zr1O2 catalysts. <i>Catalysis Communications</i> , 2011, 12, 776-780.	1.6	30
46	Catalytic Oxidation of Carbon Black Over Ru/CoxMgyAl2 Catalysts. <i>Physics Procedia</i> , 2011, 21, 1-5.	1.2	4
47	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
48	Simultaneous oxidation of carbon black and volatile organic compounds over Ru/CeO2 catalysts. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 249-256.	10.8	89
49	Carbon black oxidation in the presence of Al2O3, CeO2, and Mn oxide catalysts: An EPR study. <i>Catalysis Today</i> , 2007, 119, 286-290.	2.2	37
50	Study of the Ru/Ce system in the oxidation of carbon black and volatile organic compounds. <i>Kinetics and Catalysis</i> , 2007, 48, 835-840.	0.3	32
51	Carbon black oxidation mechanism in loose and tight contacts with Al2O3 and CeO2 catalysts. <i>Kinetics and Catalysis</i> , 2007, 48, 841-846.	0.3	16
52	Reactivity of Ru-based catalysts in the oxidation of propene and carbon black. <i>Catalysis Today</i> , 2007, 119, 273-277.	2.2	41
53	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