Alberto Veses

List of Publications by Citations

22 papers	1,116 citations	13 h-index	22 g-index
22 ext. papers	1,310 ext. citations	7.3 avg, IF	4.52 L-index

#	Paper	IF	Citations
22	Co-pyrolysis of biomass with waste tyres: Upgrading of liquid bio-fuel. *Fuel Processing Technology*, **2014**, 119, 263-271	7.2	212
21	Catalytic upgrading of biomass derived pyrolysis vapors over metal-loaded ZSM-5 zeolites: Effect of different metal cations on the bio-oil final properties. *Microporous and Mesoporous Materials*, **2015**, 209, 189-196	5.3	145
20	Catalytic pyrolysis of wood biomass in an auger reactor using calcium-based catalysts. *Bioresource Technology*, **2014**, 162, 250-8	11	139
19	Production of upgraded bio-oils by biomass catalytic pyrolysis in an auger reactor using low cost materials. *Fuel*, **2015**, 141, 17-22	7.1	114
18	Promoting Deoxygenation of Bio-Oil by Metal-Loaded Hierarchical ZSM-5 Zeolites. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 1653-1660	8.3	95
17	Porosity-Acidity Interplay in Hierarchical ZSM-5 Zeolites for Pyrolysis Oil Valorization to Aromatics. *ChemSusChem*, **2015**, 8, 3283-93	8.3	86
16	Demonstration of the waste tire pyrolysis process on pilot scale in a continuous auger reactor. *Journal of Hazardous Materials*, **2013**, 261, 637-45	12.8	78
15	Catalytic co-pyrolysis of grape seeds and waste tyres for the production of drop-in biofuels. *Energy Conversion and Management*, **2018**, 171, 1202-1212	10.6	48
14	Kinetic study for the co-pyrolysis of lignocellulosic biomass and plastics using the distributed activation energy model. *Energy*, **2018**, 165, 731-742	7.9	47
13	A combined two-stage process of pyrolysis and catalytic cracking of municipal solid waste for the production of syngas and solid refuse-derived fuels. *Waste Management*, **2020**, 101, 171-179	8.6	35
12	Drop-in biofuels from the co-pyrolysis of grape seeds and polystyrene. *Chemical Engineering Journal*, **2019**, 377, 120246	14.7	33
11	An integrated process for the production of lignocellulosic biomass pyrolysis oils using calcined limestone as a heat carrier with catalytic properties. *Fuel*, **2016**, 181, 430-437	7.1	23
10	Ca-based Catalysts for the Production of High-Quality Bio-Oils from the Catalytic Co-Pyrolysis of Grape Seeds and Waste Tyres. *Catalysts*, **2019**, 9, 992	4	13
9	From laboratory scale to pilot plant: Evaluation of the catalytic co-pyrolysis of grape seeds and polystyrene wastes with CaO. *Catalysis Today*, **2021**, 379, 87-95	5.3	12
8	Determining Bio-Oil Composition via Chemometric Tools Based on Infrared Spectroscopy. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 8710-8719	8.3	10
7	Application of Upgraded Drop-In Fuel Obtained from Biomass Pyrolysis in a Spark Ignition Engine. *Energies*, **2020**, 13, 2089	3.1	7
6	Insights into the production of upgraded biofuels using Mg-loaded mesoporous ZSM-5 zeolites. *ChemCatChem*, **2020**, 12, 5236-5249	5.2	5

List of Publications

5	Properties and Combustion Characteristics of Bio-Oils from Catalytic Co-Pyrolysis of Grape Seeds, Polystyrene, and Waste Tires. *Energy & Fuels*, **2020**, 34, 14190-14203	4.1	5
4	A pyrolysis process coupled to a catalytic cracking stage: A potential waste-to-energy solution for mattress foam waste. *Waste Management*, **2021**, 120, 415-423	8.6	5
3	Prediction of elemental composition, water content and heating value of upgraded biofuel from the catalytic cracking of pyrolysis bio-oil vapors by infrared spectroscopy and partial least square regression models. *Journal of Analytical and Applied Pyrolysis*, **2018**, 132, 102-110	6	4
2	The role of temperature profile during the pyrolysis of end-of-life-tyres in an industrially relevant conditions auger plant. *Journal of Environmental Management*, **2022**, 317, 115323	7.9	0
1	Recent Advances in the Catalytic Co-pyrolysis of Lignocellulosic Biomass and Different Polymer Wastes from Laboratory Scale to Pilot Plant. *Biofuels and Biorefineries*, **2022**, 33-73	0.3	