

# Ma Victoria Gil

## List of Publications by Year in descending order

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71  
papers

4,543  
citations

93792

39  
h-index

116156

66  
g-index

71  
all docs

71  
docs citations

71  
times ranked

5423  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multivariable optimization of activated carbon production from microwave pyrolysis of brewery wastes - Application in the removal of antibiotics from water. <i>Journal of Hazardous Materials</i> , 2022, 431, 128556.	6.5	18
2	In situ functionalization of a cellulosic-based activated carbon with magnetic iron oxides for the removal of carbamazepine from wastewater. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18314-18327.	2.7	23
3	Optimizing microwave-assisted production of waste-based activated carbons for the removal of antibiotics from water. <i>Science of the Total Environment</i> , 2021, 752, 141662.	3.9	26
4	Effects of thiol functionalization of a waste-derived activated carbon on the adsorption of sulfamethoxazole from water: Kinetic, equilibrium and thermodynamic studies. <i>Journal of Molecular Liquids</i> , 2021, 323, 115003.	2.3	20
5	Renewable hydrogen production from biogas by sorption enhanced steam reforming (SESR): A parametric study. <i>Energy</i> , 2021, 218, 119491.	4.5	33
6	Residual pyrolysis biochar as additive to enhance wood pellets quality. <i>Renewable Energy</i> , 2021, 180, 850-859.	4.3	13
7	Sustainable and recoverable waste-based magnetic nanocomposites used for the removal of pharmaceuticals from wastewater. <i>Chemical Engineering Journal</i> , 2021, 426, 129974.	6.6	11
8	Producing Magnetic Nanocomposites from Paper Sludge for the Adsorptive Removal of Pharmaceuticals from Water – A Fractional Factorial Design. <i>Nanomaterials</i> , 2021, 11, 287.	1.9	13
9	Integrating anaerobic digestion and pyrolysis for treating digestates derived from sewage sludge and fat wastes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32603-32614.	2.7	29
10	Upcycling spent brewery grains through the production of carbon adsorbents – application to the removal of carbamazepine from water. <i>Environmental Science and Pollution Research</i> , 2020, 27, 36463-36475.	2.7	14
11	On the effect of biogas composition on the H <sub>2</sub> production by sorption enhanced steam reforming (SESR). <i>Renewable Energy</i> , 2020, 160, 575-583.	4.3	43
12	Core-Shell Molecularly Imprinted Polymers on Magnetic Yeast for the Removal of Sulfamethoxazole from Water. <i>Polymers</i> , 2020, 12, 1385.	2.0	22
13	Highly selective CO removal by sorption enhanced Boudouard reaction for hydrogen production. <i>Catalysis Science and Technology</i> , 2019, 9, 4100-4107.	2.1	15
14	Fixed-bed performance of a waste-derived granular activated carbon for the removal of micropollutants from municipal wastewater. <i>Science of the Total Environment</i> , 2019, 683, 699-708.	3.9	22
15	Pelletization of wood and alternative residual biomass blends for producing industrial quality pellets. <i>Fuel</i> , 2019, 251, 739-753.	3.4	94
16	Assessing the influence of biomass properties on the gasification process using multivariate data analysis. <i>Energy Conversion and Management</i> , 2019, 184, 649-660.	4.4	39
17	Coal and biomass cofiring. , 2019, , 117-140.		20
18	Obtaining granular activated carbon from paper mill sludge – A challenge for application in the removal of pharmaceuticals from wastewater. <i>Science of the Total Environment</i> , 2019, 653, 393-400.	3.9	43

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19	Production of highly efficient activated carbons from industrial wastes for the removal of pharmaceuticals from water – A full factorial design. <i>Journal of Hazardous Materials</i> , 2019, 370, 212-218.	6.5	48
20	Unconventional biomass fuels for steam gasification: Kinetic analysis and effect of ash composition on reactivity. <i>Energy</i> , 2018, 155, 426-437.	4.5	48
21	Standing out the key role of ultramicroporosity to tailor biomass-derived carbons for CO <sub>2</sub> capture. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 26, 1-7.	3.3	31
22	Production of high pressure pure H <sub>2</sub> by pressure swing sorption enhanced steam reforming (PS-SESR) of byproducts in biorefinery. <i>Applied Energy</i> , 2018, 222, 595-607.	5.1	10
23	Comparison of the gasification performance of multiple biomass types in a bubbling fluidized bed. <i>Energy Conversion and Management</i> , 2018, 176, 309-323.	4.4	66
24	Kinetics of CO <sub>2</sub> adsorption on cherry stone-based carbons in CO <sub>2</sub> /CH <sub>4</sub> separations. <i>Chemical Engineering Journal</i> , 2017, 307, 249-257.	6.6	148
25	Phenol-Formaldehyde Resin-Based Carbons for CO <sub>2</sub> Separation at Sub-Atmospheric Pressures. <i>Energies</i> , 2016, 9, 189.	1.6	11
26	Effect of operating conditions on the sorption enhanced steam reforming of blends of acetic acid and acetone as bio-oil model compounds. <i>Applied Energy</i> , 2016, 177, 579-590.	5.1	52
27	Dynamic Performance of Biomass-Based Carbons for CO <sub>2</sub> /CH <sub>4</sub> Separation. Approximation to a Pressure Swing Adsorption Process for Biogas Upgrading. <i>Energy &amp; Fuels</i> , 2016, 30, 5005-5015.	2.5	53
28	Production of fuel-cell grade H <sub>2</sub> by sorption enhanced steam reforming of acetic acid as a model compound of biomass-derived bio-oil. <i>Applied Catalysis B: Environmental</i> , 2016, 184, 64-76.	10.8	81
29	Adsorption performance indicators for the CO <sub>2</sub> /CH <sub>4</sub> separation: Application to biomass-based activated carbons. <i>Fuel Processing Technology</i> , 2016, 142, 361-369.	3.7	81
30	Anaerobic Codigestion of Sludge: Addition of Butcher's Fat Waste as a Cosubstrate for Increasing Biogas Production. <i>PLoS ONE</i> , 2016, 11, e0153139.	1.1	44
31	Carbon adsorbents for CO <sub>2</sub> capture from bio-hydrogen and biogas streams: Breakthrough adsorption study. <i>Chemical Engineering Journal</i> , 2015, 269, 148-158.	6.6	71
32	Grindability and combustion behavior of coal and torrefied biomass blends. <i>Bioresource Technology</i> , 2015, 191, 205-212.	4.8	101
33	Removal of fluoxetine from water by adsorbent materials produced from paper mill sludge. <i>Journal of Colloid and Interface Science</i> , 2015, 448, 32-40.	5.0	54
34	Biomass devolatilization at high temperature under N <sub>2</sub> and CO <sub>2</sub> : Char morphology and reactivity. <i>Energy</i> , 2015, 91, 655-662.	4.5	109
35	H <sub>2</sub> production by sorption enhanced steam reforming of biomass-derived bio-oil in a fluidized bed reactor: An assessment of the effect of operation variables using response surface methodology. <i>Catalysis Today</i> , 2015, 242, 19-34.	2.2	44
36	H <sub>2</sub> production by steam reforming with in situ CO <sub>2</sub> capture of biomass-derived bio-oil. <i>Energy Procedia</i> , 2014, 63, 6815-6823.	1.8	7

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37	Towards Bio-upgrading of Biogas: Biomass Waste-based Adsorbents. <i>Energy Procedia</i> , 2014, 63, 6527-6533.	1.8	29
38	Single particle ignition and combustion of anthracite, semi-anthracite and bituminous coals in air and simulated oxy-fuel conditions. <i>Combustion and Flame</i> , 2014, 161, 1096-1108.	2.8	174
39	Combustion of single biomass particles in air and in oxy-fuel conditions. <i>Biomass and Bioenergy</i> , 2014, 64, 162-174.	2.9	138
40	Production of fuel-cell grade hydrogen by sorption enhanced water gas shift reaction using Pd/Ni-Co catalysts. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 585-595.	10.8	36
41	Multifunctional Pd/Ni-Co Catalyst for Hydrogen Production by Chemical Looping Coupled With Steam Reforming of Acetic Acid. <i>ChemSusChem</i> , 2014, 7, 3063-3077.	3.6	42
42	Production of adsorbents by pyrolysis of paper mill sludge and application on the removal of citalopram from water. <i>Bioresource Technology</i> , 2014, 166, 335-344.	4.8	92
43	Cyclic operation of a fixed-bed pressure and temperature swing process for CO <sub>2</sub> capture: Experimental and statistical analysis. <i>International Journal of Greenhouse Gas Control</i> , 2013, 12, 35-43.	2.3	31
44	Ignition and NO Emissions of Coal and Biomass Blends under Different Oxy-fuel Atmospheres. <i>Energy Procedia</i> , 2013, 37, 1405-1412.	1.8	19
45	Response surface methodology as an efficient tool for optimizing carbon adsorbents for CO <sub>2</sub> capture. <i>Fuel Processing Technology</i> , 2013, 106, 55-61.	3.7	50
46	Ignition behavior of coal and biomass blends under oxy-firing conditions with steam additions. , 2013, 3, 397-414.		14
47	Kinetic models for the oxy-fuel combustion of coal and coal/biomass blend chars obtained in N <sub>2</sub> and CO <sub>2</sub> atmospheres. <i>Energy</i> , 2012, 48, 510-518.	4.5	86
48	Production of nanoporous carbons from wood processing wastes and their use in supercapacitors and CO <sub>2</sub> capture. <i>Biomass and Bioenergy</i> , 2012, 46, 145-154.	2.9	78
49	A study of oxy-coal combustion with steam addition and biomass blending by thermogravimetric analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 109, 49-55.	2.0	56
50	Oxy-fuel combustion kinetics and morphology of coal chars obtained in N <sub>2</sub> and CO <sub>2</sub> atmospheres in an entrained flow reactor. <i>Applied Energy</i> , 2012, 91, 67-74.	5.1	97
51	Oxy-fuel combustion of coal and biomass blends. <i>Energy</i> , 2012, 41, 429-435.	4.5	144
52	Gasification of rice straw in a fluidized-bed gasifier for syngas application in close-coupled boiler-gasifier systems. <i>Bioresource Technology</i> , 2012, 109, 206-214.	4.8	82
53	Kinetic Parameters and Reactivity for the Steam Gasification of Coal Chars Obtained under Different Pyrolysis Temperatures and Pressures. <i>Energy &amp; Fuels</i> , 2011, 25, 3574-3580.	2.5	20
54	Effect of oxy-fuel combustion with steam addition on coal ignition and burnout in an entrained flow reactor. <i>Energy</i> , 2011, 36, 5314-5319.	4.5	105

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55	NO emissions in oxy-coal combustion with the addition of steam in an entrained flow reactor. , 2011, 1, 180-190.		38
56	Breakthrough adsorption study of a commercial activated carbon for pre-combustion CO2 capture. Chemical Engineering Journal, 2011, 171, 549-556.	6.6	129
57	Modelling N mineralization from bovine manure and sewage sludge composts. Bioresource Technology, 2011, 102, 863-871.	4.8	35
58	Carbon stock estimates for forests in the Castilla y León region, Spain. A GIS based method for evaluating spatial distribution of residual biomass for bio-energy. Biomass and Bioenergy, 2011, 35, 243-252.	2.9	37
59	Influence of storage time on the quality and combustion behaviour of pine woodchips. Energy, 2010, 35, 3066-3071.	4.5	47
60	Intrinsic char reactivity of plastic waste (PET) during CO2 gasification. Fuel Processing Technology, 2010, 91, 1776-1781.	3.7	29
61	Application of response surface methodology to assess the combined effect of operating variables on high-pressure coal gasification for H2-rich gas production. International Journal of Hydrogen Energy, 2010, 35, 1191-1204.	3.8	72
62	Thermal behaviour and kinetics of coal/biomass blends during co-combustion. Bioresource Technology, 2010, 101, 5601-5608.	4.8	445
63	Kinetic models comparison for non-isothermal steam gasification of coal-biomass blend chars. Chemical Engineering Journal, 2010, 161, 276-284.	6.6	108
64	Co-gasification of different rank coals with biomass and petroleum coke in a high-pressure reactor for H2-rich gas production. Bioresource Technology, 2010, 101, 3230-3235.	4.8	131
65	Mechanical durability and combustion characteristics of pellets from biomass blends. Bioresource Technology, 2010, 101, 8859-8867.	4.8	186
66	Effect of the Pressure and Temperature of Devolatilization on the Morphology and Steam Gasification Reactivity of Coal Chars. Energy & Fuels, 2010, 24, 5586-5595.	2.5	29
67	Laboratory appraisal of organic carbon changes in mixtures made with different inorganic wastes. Waste Management, 2009, 29, 2931-2938.	3.7	5
68	Characterization of different compost extracts using Fourier-transform infrared spectroscopy (FTIR) and thermal analysis. Biodegradation, 2008, 19, 815-830.	1.5	111
69	Co-combustion of different sewage sludge and coal: A non-isothermal thermogravimetric kinetic analysis. Bioresource Technology, 2008, 99, 6311-6319.	4.8	153
70	Fertilization of maize with compost from cattle manure supplemented with additional mineral nutrients. Waste Management, 2008, 28, 1432-1440.	3.7	99
71	Assessing the agronomic and environmental effects of the application of cattle manure compost on soil by multivariate methods. Bioresource Technology, 2008, 99, 5763-5772.	4.8	39