

# JosÃ© Rivera-Utrilla

## List of Publications by Year in descending order

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47  
papers

2,848  
citations

257450

24  
h-index

223800

46  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste materials for activated carbon preparation and its use in aqueous-phase treatment: A review. <i>Journal of Environmental Management</i> , 2007, 85, 833-846.	7.8	810
2	Tetracycline removal from water by adsorption/bioadsorption on activated carbons and sludge-derived adsorbents. <i>Journal of Environmental Management</i> , 2013, 131, 16-24.	7.8	249
3	Environmental impact of phthalic acid esters and their removal from water and sediments by different technologies – A review. <i>Journal of Environmental Management</i> , 2012, 109, 164-178.	7.8	239
4	Group 6 metal oxide-carbon aerogels. Their synthesis, characterization and catalytic activity in the skeletal isomerization of 1-butene. <i>Applied Catalysis A: General</i> , 1999, 183, 345-356.	4.3	96
5	Removal of diethyl phthalate from water solution by adsorption, photo-oxidation, ozonation and advanced oxidation process (UV/H <sub>2</sub> O <sub>2</sub> , O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and O <sub>3</sub> /activated carbon). <i>Science of the Total Environment</i> , 2013, 442, 26-35.	8.0	91
6	Cooperative adsorption of bisphenol-A and chromium(III) ions from water on activated carbons prepared from olive-mill waste. <i>Carbon</i> , 2014, 73, 338-350.	10.3	87
7	A direct measurement of expansion in coals and macerals induced by carbon dioxide and methanol. <i>Fuel</i> , 1988, 67, 719-726.	6.4	86
8	Modeling adsorption rate of organic micropollutants present in landfill leachates onto granular activated carbon. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 174-182.	9.4	76
9	Comparative study of oxidative degradation of sodium diatrizoate in aqueous solution by H <sub>2</sub> O <sub>2</sub> /Fe <sup>2+</sup> , H <sub>2</sub> O <sub>2</sub> /Fe <sup>3+</sup> , Fe (VI) and UV, H <sub>2</sub> O <sub>2</sub> /UV, K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> /UV. <i>Chemical Engineering Journal</i> , 2014, 241, 504-512.	12.7	75
10	Surface modifications of activated carbon by gamma irradiation. <i>Carbon</i> , 2014, 67, 236-249.	10.3	73
11	Hydrothermal Synthesis of rGO-TiO <sub>2</sub> Composites as High-Performance UV Photocatalysts for Ethylparaben Degradation. <i>Catalysts</i> , 2020, 10, 520.	3.5	71
12	Carbon Materials as Adsorbents for the Removal of Pollutants from the Aqueous Phase. <i>MRS Bulletin</i> , 2001, 26, 890-894.	3.5	67
13	Experimental Design To Optimize Preparation of Activated Carbons for Use in Water Treatment. <i>Environmental Science &amp; Technology</i> , 2002, 36, 3844-3849.	10.0	66
14	Densities, porosities and surface areas of coal macerals as measured by their interaction with gases, vapours and liquids. <i>Fuel</i> , 1988, 67, 1615-1623.	6.4	65
15	Synthesis, pore texture and surface acid–base character of TiO <sub>2</sub> /carbon composite xerogels and aerogels and their carbonized derivatives. <i>Applied Catalysis A: General</i> , 2000, 203, 151-159.	4.3	62
16	Ionic strength effects in aqueous phase adsorption of metal ions on activated carbons. <i>Carbon</i> , 2003, 41, 2020-2022.	10.3	62
17	Removal of parabens from water by UV-driven advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2020, 379, 122334.	12.7	59
18	Adsorption/bioadsorption of phthalic acid, an organic micropollutant present in landfill leachates, on activated carbons. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 358-365.	9.4	52

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19	Effect of HO, SO <sub>4</sub> <sup>•-</sup> and CO <sub>3</sub> <sup>•-</sup> /HCO <sub>3</sub> radicals on the photodegradation of the herbicide amitrole by UV radiation in aqueous solution. <i>Chemical Engineering Journal</i> , 2015, 267, 182-190.	12.7	51
20	Removal of bisphenols A and S by adsorption on activated carbon clothes enhanced by the presence of bacteria. <i>Science of the Total Environment</i> , 2019, 669, 767-776.	8.0	48
21	Study of heat-treated Spanish lignites. <i>Fuel</i> , 1985, 64, 666-673.	6.4	43
22	Gasification reaction of a lignite char catalysed by Cr, Mn, Fe, Co, Ni, Cu and Zn in dry and wet air. <i>Fuel</i> , 1985, 64, 1220-1223.	6.4	31
23	Single, competitive, and dynamic adsorption on activated carbon of compounds used as plasticizers and herbicides. <i>Science of the Total Environment</i> , 2015, 537, 335-342.	8.0	31
24	Adsorption of lead on activated carbons from olive stones. <i>Journal of Chemical Technology and Biotechnology</i> , 1986, 36, 47-52.	3.2	26
25	Removal of compounds used as plasticizers and herbicides from water by means of gamma irradiation. <i>Science of the Total Environment</i> , 2016, 569-570, 518-526.	8.0	22
26	The striking behaviour of copper catalysing the gasification reaction of coal chars in dry air. <i>Fuel</i> , 1987, 66, 113-118.	6.4	21
27	Photoactivity of organic xerogels and aerogels in the photodegradation of herbicides from waters. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 94-102.	20.2	19
28	Ionic X-ray contrast media degradation in aqueous solution induced by gamma radiation. <i>Chemical Engineering Journal</i> , 2012, 195-196, 369-376.	12.7	18
29	Reactivity of Spanish coal chars in dry air. <i>Fuel</i> , 1987, 66, 237-241.	6.4	15
30	Activated carbon columns as adsorbents of gallic acid from aqueous solutions: Effect of the presence of different electrolytes. <i>Carbon</i> , 1992, 30, 107-111.	10.3	15
31	Influence of operational parameters on photocatalytic amitrole degradation using nickel organic xerogel under UV irradiation. <i>Arabian Journal of Chemistry</i> , 2018, 11, 564-572.	4.9	13
32	Solar Degradation of Sulfamethazine Using rGO/Bi Composite Photocatalysts. <i>Catalysts</i> , 2020, 10, 573.	3.5	13
33	Effect of operational parameters on photocatalytic degradation of ethylparaben using rGO/TiO <sub>2</sub> composite under UV radiation. <i>Environmental Research</i> , 2021, 200, 111750.	7.5	12
34	Vanadium pentoxide as catalyst in the air gasification of chars. <i>Fuel</i> , 1989, 68, 968-971.	6.4	11
35	Steam gasification of a lignite char catalysed by metals from chromium to zinc. <i>Fuel</i> , 1992, 71, 105-108.	6.4	11
36	Role of activated carbon on micropollutants degradation by ionizing radiation. <i>Carbon</i> , 2014, 67, 288-299.	10.3	11

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37	Influence and transformation of coal mineral matter during hydrogenation. Fuel, 1995, 74, 818-822.	6.4	9
38	Role of activated carbon on micropollutants degradation by different radiation processes. Mediterranean Journal of Chemistry, 2015, 4, 68-80.	0.7	8
39	Characteristics and Behavior of Different Catalysts Used for Water Decontamination in Photooxidation and Ozonation Processes. Catalysts, 2020, 10, 1485.	3.5	7
40	Influence and modification of the porous texture of coals during hydrogenation. Fuel, 1995, 74, 823-829.	6.4	5
41	Influence of the Porous Texture of Coals on Their Hydrogenation Processes Catalyzed by Fe. Energy & Fuels, 1995, 9, 319-323.	5.1	5
42	Thermal desorption of gallic acid from activated carbon surfaces. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3213-3217.	1.7	5
43	Hydrogenation of coals catalysed by Mo effect and transformation of porous texture. Fuel, 1995, 74, 1709-1715.	6.4	4
44	Behaviour of Ag, Cu and Ag-Cu catalysts in the gasification reaction of a lignite char in air. Effect of SO <sub>2</sub> on these catalysts. Fuel, 1986, 65, 1419-1422.	6.4	3
45	Removal of Antibiotics from Water by Adsorption/Biosorption on Adsorbents from Different Raw Materials. , 2017, , 139-204.		3
46	Textural Changes in Coals during Hydrogenation. Langmuir, 1996, 12, 5654-5658.	3.5	1
47	Photocatalytic Degradation of Organic Wastes in Water. Catalysts, 2022, 12, 114.	3.5	1