

# Jhonny Villarroel-Rocha

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

582  
citations

687220

13  
h-index

610775

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introducing a self-consistent test and the corresponding modification in the Barrett, Joyner and Halenda method for pore-size determination. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 68-78.	2.2	132
2	An ordered mesoporous carbon modified electrochemical sensor for solid-phase microextraction and determination of triclosan in environmental samples. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 765-772.	4.0	67
3	Microfluidic immunosensor based on mesoporous silica platform and CMK-3/poly-acrylamide-co-methacrylate of dihydrolipoic acid modified gold electrode for cancer biomarker detection. <i>Analytica Chimica Acta</i> , 2017, 963, 83-92.	2.6	50
4	Importance of the $t$ -plot Method in the Characterization of Nanoporous Materials. <i>Adsorption Science and Technology</i> , 2013, 31, 165-183.	1.5	42
5	Flexible ZIFs: probing guest-induced flexibility with CO <sub>2</sub> , N <sub>2</sub> and Ar adsorption. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3787-3792.	1.6	33
6	Development of a nanostructured immunosensor for early and in situ detection of <i>Xanthomonas arboricola</i> in agricultural food production. <i>Talanta</i> , 2017, 175, 535-541.	2.9	24
7	Non-Hydrothermal Synthesis of Cylindrical Mesoporous Materials: Influence of the Surfactant/Silica Molar Ratio. <i>Adsorption Science and Technology</i> , 2011, 29, 975-988.	1.5	23
8	Mesoporous immunosensor applied to zearalenone determination in <i>Amaranthus cruentus</i> seeds. <i>Microchemical Journal</i> , 2018, 141, 388-394.	2.3	21
9	Hydrophobic channels produced by micelle-structured CTAB inside MCM-41 mesopores: A unique trap for the hazardous hormone ethinyl estradiol. <i>Chemical Engineering Journal</i> , 2016, 283, 1203-1209.	6.6	20
10	Insight into surface and structural changes of montmorillonite and organomontmorillonites loaded with Ag. <i>Comptes Rendus Chimie</i> , 2019, 22, 142-153.	0.2	19
11	Textural and photocatalytic characteristics of iron-cobalt based nanocomposites supported on SBA-15: Synergistic effect between Fe <sup>2+</sup> and FeO on photoactivity. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110582.	2.2	16
12	New insights on estimating pore size distribution of latex particles: Statistical mechanics approach and modeling. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 360-371.	2.2	14
13	Organic monolithic capillary columns coated with cellulose tris(3,5-dimethylphenyl carbamate) for enantioseparations by capillary HPLC. <i>Microchemical Journal</i> , 2019, 149, 104011.	2.3	14
14	CMK-3 nanostructured carbon: Effect of temperature and time carbonization on textural properties and H <sub>2</sub> storage. <i>Chemical Engineering Communications</i> , 2019, 206, 1581-1595.	1.5	14
15	Dandelion-Like Microspherical MCM-22 Zeolite Using BP 2000 as a Hard Template. <i>ACS Omega</i> , 2018, 3, 6217-6223.	1.6	13
16	Hierarchical nanostructured carbons as CO <sub>2</sub> adsorbents. <i>Adsorption</i> , 2019, 25, 1287-1297.	1.4	12
17	Insights of adsorption isotherms with different gases at 77 K and their use to assess the BET area of nanoporous silica materials. <i>Adsorption</i> , 2021, 27, 1081-1093.	1.4	10
18	Synthesis and textural characterization of a templated nanoporous carbon from MCM-22 zeolite and its use as adsorbent of amoxicillin and ethinylestradiol. <i>Adsorption</i> , 2014, 20, 967-976.	1.4	9

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19	High nitrogen content carbons: Morphological and chemical changes with synthesis temperature and application in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020, 359, 136942.	2.6	9
20	Fe- and SiFe-pillared clays from a mineralogical waste as adsorbents of ciprofloxacin from water. <i>Applied Clay Science</i> , 2022, 220, 106458.	2.6	9
21	Carbon monoxide adsorption in ZIF-8: Kinetics and equilibrium. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 227-233.	2.2	7
22	Synthesis and characterization of pure and Al-substituted akaganeites and evaluation of their performance to adsorb As(V). <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7044-7053.	3.3	7
23	Synthesis and Characterization of Al-TON Zeolite Using a Dialkylimidazolium as Structure-Directing Agent. <i>Materials Research</i> , 2016, 19, 1461-1468.	0.6	5
24	On the computer simulations of carbon nanoparticles porosity: statistical mechanics model for CO <sub>2</sub> and N <sub>2</sub> adsorption isotherms. <i>Adsorption</i> , 2018, 24, 769-779.	1.4	4
25	Incorporation of Brazilian Diatomite in the Synthesis of An MFI Zeolite. <i>Molecules</i> , 2019, 24, 1980.	1.7	4
26	Critical Overview of Textural Characterization of Zeolites by Gas Adsorption. <i>Structure and Bonding</i> , 2020, , 31-55.	1.0	3
27	One-pot synthesis of hierarchical porous carbons with extended ultramicropores: New prospective materials for supercapacitors. <i>Carbon Trends</i> , 2021, 5, 100110.	1.4	1