

# Jhonny Villarroel-Rocha

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

582  
citations

687363

13  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe- and SiFe-pillared clays from a mineralogical waste as adsorbents of ciprofloxacin from water. <i>Applied Clay Science</i> , 2022, 220, 106458.	5.2	9
2	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.	4.4	16
3	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.	3.0	10
4	One-pot synthesis of hierarchical porous carbons with extended ultramicropores: New prospective materials for supercapacitors. <i>Carbon Trends</i> , 2021, 5, 100110.	3.0	1
5	High nitrogen content carbons: Morphological and chemical changes with synthesis temperature and application in lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020, 359, 136942.	5.2	9
6	Critical Overview of Textural Characterization of Zeolites by Gas Adsorption. <i>Structure and Bonding</i> , 2020, , 31-55.	1.0	3
7	Organic monolithic capillary columns coated with cellulose tris(3,5-dimethylphenyl carbamate) for enantioseparations by capillary HPLC. <i>Microchemical Journal</i> , 2019, 149, 104011.	4.5	14
8	Incorporation of Brazilian Diatomite in the Synthesis of An MFI Zeolite. <i>Molecules</i> , 2019, 24, 1980.	3.8	4
9	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.	2.6	14
10	Hierarchical nanostructured carbons as CO <sub>2</sub> adsorbents. <i>Adsorption</i> , 2019, 25, 1287-1297.	3.0	12
11	Insight into surface and structural changes of montmorillonite and organomontmorillonites loaded with Ag. <i>Comptes Rendus Chimie</i> , 2019, 22, 142-153.	0.5	19
12	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.	3.2	33
13	Carbon monoxide adsorption in ZIF-8: Kinetics and equilibrium. <i>Microporous and Mesoporous Materials</i> , 2018, 265, 227-233.	4.4	7
14	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.	3.0	4
15	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.	6.7	7
16	Mesoporous immunosensor applied to zearalenone determination in <i>Amaranthus cruentus</i> seeds. <i>Microchemical Journal</i> , 2018, 141, 388-394.	4.5	21
17	Dandelion-Like Microspherical MCM-22 Zeolite Using BP 2000 as a Hard Template. <i>ACS Omega</i> , 2018, 3, 6217-6223.	3.5	13
18	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.	5.4	50

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19	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.	5.5	24
20	Synthesis and Characterization of Al-TON Zeolite Using a Dialkylimizadolium as Structure-Directing Agent. <i>Materials Research</i> , 2016, 19, 1461-1468.	1.3	5
21	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.	7.8	67
22	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.	4.4	14
23	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.	12.7	20
24	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.	4.4	132
25	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.	3.0	9
26	Importance of the $\ln t$ -plot Method in the Characterization of Nanoporous Materials. <i>Adsorption Science and Technology</i> , 2013, 31, 165-183.	3.2	42
27	Non-Hydrothermal Synthesis of Cylindrical Mesoporous Materials: Influence of the Surfactant/Silica Molar Ratio. <i>Adsorption Science and Technology</i> , 2011, 29, 975-988.	3.2	23