

# Carlos Palomino Cabello

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,377  
citations

257450

24  
h-index

330143

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1845  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc/Iron mixed-metal MOF-74 derived magnetic carbon nanorods for the enhanced removal of organic pollutants from water. <i>Chemical Engineering Journal</i> , 2022, 428, 131147.	12.7	45
2	Catalytic activity and stability of sulfonic-functionalized UiO-66 and MIL-101 materials in friedel-crafts acylation reaction. <i>Catalysis Today</i> , 2022, 390-391, 258-264.	4.4	7
3	Comparison of photocatalytic activity of $\text{Fe}_2\text{O}_3\text{-TiO}_2/\text{P}$ on the removal of pollutants on liquid and gaseous phase. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104828.	6.7	11
4	Scientific Activities for the Engagement of Undergraduate Students in the Separation and Recycling of Waste. <i>Journal of Chemical Education</i> , 2021, 98, 454-460.	2.3	5
5	MIL-100(Fe)-derived carbon sponge as high-performance material for oil/water separation. <i>Separation and Purification Technology</i> , 2021, 257, 117951.	7.9	32
6	STUDENTS PROBLEM DESIGN AS A TOOL FOR AUTONOMOUS LEARNING AND FOR STIMULATING CREATIVITY. , 2021, , .		0
7	Amino-grafted Cu and Sc Metal-Organic Frameworks involved in the green synthesis of 2-amino-4H-chromenes. Mechanistic understanding. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111232.	4.4	6
8	Silver-functionalized UiO-66 metal-organic framework-coated 3D printed device for the removal of radioactive iodine from wastewaters. <i>Applied Materials Today</i> , 2021, 24, 101130.	4.3	6
9	TiO <sub>2</sub> derived from NTU-9 metal-organic framework as highly efficient photocatalyst. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115424.	3.5	3
10	Brønsted acidity of H-[Ga]-ZSM-5 zeolites as determined by variable-temperature IR spectroscopy. <i>Catalysis Today</i> , 2020, 345, 71-79.	4.4	3
11	Metal-Organic Framework@Carbon Hybrid Magnetic Material as an Efficient Adsorbent for Pollutant Extraction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6419-6425.	8.0	44
12	Iron metal-organic framework supported in a polymeric membrane for solid-phase extraction of anti-inflammatory drugs. <i>Analytica Chimica Acta</i> , 2020, 1136, 157-167.	5.4	18
13	Determination of benzomercaptans in environmental complex samples by combining zeolitic imidazolate framework-8-based solid-phase extraction and high-performance liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , 2020, 1631, 461580.	3.7	13
14	Magnetic porous carbons derived from cobalt( <i>ii</i> )-based metal-organic frameworks for the solid-phase extraction of sulfonamides. <i>Dalton Transactions</i> , 2020, 49, 8959-8966.	3.3	20
15	Coupled heterogeneous photocatalysis using a P-TiO <sub>2</sub> - $\text{Fe}_2\text{O}_3$ catalyst and K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> for the efficient degradation of a sulfonamide mixture. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112485.	3.9	18
16	KNOWLEDGE PILLS FOR THE LEARNING OF SAFETY RULES AND BASIC LABORATORY OPERATIONS IN THE MASTER'S DEGREE IN CHEMICAL SCIENCE AND TECHNOLOGY SUBJECTS. , 2020, , .		0
17	Automated on-line monitoring of the TiO <sub>2</sub> -based photocatalytic degradation of dimethyl phthalate and diethyl phthalate. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 863-870.	2.9	18
18	Carbon composite membrane derived from MIL-125-NH <sub>2</sub> MOF for the enhanced extraction of emerging pollutants. <i>Chemosphere</i> , 2019, 231, 510-517.	8.2	25

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19	Metal-organic framework mixed-matrix coatings on 3D printed devices. <i>Applied Materials Today</i> , 2019, 16, 21-27.	4.3	54
20	Hyperporous carbon-coated 3D printed devices. <i>Applied Materials Today</i> , 2019, 14, 29-34.	4.3	16
21	Immobilization of Metal-Organic Frameworks on Supports for Sample Preparation and Chromatographic Separation. <i>Chromatographia</i> , 2019, 82, 361-375.	1.3	33
22	Determination of phthalate acid esters plasticizers in polyethylene terephthalate bottles and its correlation with some physicochemical properties. <i>Polymer Testing</i> , 2018, 68, 87-94.	4.8	39
23	UiO-66 derived etched carbon/polymer membranes: High-performance supports for the extraction of organic pollutants from water. <i>Chemical Engineering Journal</i> , 2018, 346, 85-93.	12.7	56
24	Automated solid-phase extraction of phenolic acids using layered double hydroxide-alumina-polymer disks. <i>Journal of Separation Science</i> , 2018, 41, 2012-2019.	2.5	17
25	Emerging materials for sample preparation. <i>Journal of Separation Science</i> , 2018, 41, 262-287.	2.5	33
26	Frontispiece: Nanoparticle@Metal-Organic Frameworks as a Template for Hierarchical Porous Carbon Sponges. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
27	Nanoparticle@Metal-Organic Frameworks as a Template for Hierarchical Porous Carbon Sponges. <i>Chemistry - A European Journal</i> , 2018, 24, 13450-13456.	3.3	6
28	In-syringe dispersive 1/4-SPE of estrogens using magnetic carbon microparticles obtained from zeolitic imidazolate frameworks. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 225-234.	3.7	30
29	Metal-organic framework mixed-matrix disks: Versatile supports for automated solid-phase extraction prior to chromatographic separation. <i>Journal of Chromatography A</i> , 2017, 1488, 1-9.	3.7	61
30	Surfactant-directed mesoporous zeolites with enhanced catalytic activity in tetrahydropyranlation of alcohols: Effect of framework type and morphology. <i>Applied Catalysis A: General</i> , 2017, 537, 24-32.	4.3	23
31	Magnetic solid-phase extraction using metal-organic frameworks (MOFs) and their derived carbons. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 90, 142-152.	11.4	249
32	Superior Activity of Isomorphously Substituted MOFs with MIL-100(M=Al, Cr, Fe, In, Sc, V) Structure in the Prins Reaction: Impact of Metal Type. <i>ChemPlusChem</i> , 2017, 82, 152-159.	2.8	26
33	Incorporation of zeolitic imidazolate framework (ZIF-8)-derived nanoporous carbons in methacrylate polymeric monoliths for capillary electrochromatography. <i>Talanta</i> , 2017, 164, 348-354.	5.5	38
34	Metal-Organic Frameworks MIL-674 and MIL-100: Comparison of Textural, Acidic, and Catalytic Properties. <i>ChemPlusChem</i> , 2016, 81, 828-835.	2.8	28
35	Metal Oxide Assisted Preparation of Core-Shell Beads with Dense Metal-Organic Framework Coatings for the Enhanced Extraction of Organic Pollutants. <i>Chemistry - A European Journal</i> , 2016, 22, 11770-11777.	3.3	24
36	Submicrometric Magnetic Nanoporous Carbons Derived from Metal-Organic Frameworks Enabling Automated Electromagnet-Assisted Online Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2016, 88, 6990-6995.	6.5	43

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37	Automatic In-Syringe Dispersive Microsolid Phase Extraction Using Magnetic Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2015, 87, 7545-7549.	6.5	75
38	A rapid microwave-assisted synthesis of a sodium-cadmium metal-organic framework having improved performance as a CO <sub>2</sub> adsorbent for CCS. <i>Dalton Transactions</i> , 2015, 44, 9955-9963.	3.3	35
39	Zeolitic imidazolate framework dispersions for the fast and highly efficient extraction of organic micropollutants. <i>RSC Advances</i> , 2015, 5, 28203-28210.	3.6	34
40	Enhanced CO <sub>2</sub> adsorption capacity of amine-functionalized MIL-100(Cr) metal-organic frameworks. <i>CrystEngComm</i> , 2015, 17, 430-437.	2.6	60
41	Carbon dioxide adsorption on MIL-100(M) (M=Cr, V, Sc) metal-organic frameworks: IR spectroscopic and thermodynamic studies. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 234-239.	4.4	38
42	Infrared spectroscopic and thermodynamic study on hydrogen adsorption on the metal organic framework MIL-100(Sc). <i>Chemical Physics Letters</i> , 2012, 521, 104-106.	2.6	16
43	Enthalpy-Entropy Correlation for Hydrogen Adsorption on MOFs: Variable-Temperature FTIR Study of Hydrogen Adsorption on MIL-100(Cr) and MIL-101(Cr). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1703-1708.	2.0	24
44	Thermodynamics of Hydrogen Adsorption on Metal-Organic Frameworks. <i>ChemPhysChem</i> , 2010, 11, 3237-3242.	2.1	45
45	Inside Cover: Thermodynamics of Hydrogen Adsorption on Metal-Organic Frameworks ( <i>ChemPhysChem</i> ) Tj ETQq1 1 0.784314 rgBT / 0	2.1	45