

Francisco J Carmona

List of Publications by Year in descending order

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23
papers

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23
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citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscaled Zinc Pyrazolate Metal-Organic Frameworks as Drug-Delivery Systems. <i>Inorganic Chemistry</i> , 2016, 55, 2650-2663.	4.0	147
2	Engineering Biomimetic Calcium Phosphate Nanoparticles: A Green Synthesis of Slow-Release Multinutrient (NPK) Nanofertilizers. <i>ACS Applied Bio Materials</i> , 2020, 3, 1344-1353.	4.6	89
3	Reducing Nitrogen Dosage in <i>Triticum durum</i> Plants with Urea-Doped Nanofertilizers. <i>Nanomaterials</i> , 2020, 10, 1043.	4.1	44
4	Urea-functionalized amorphous calcium phosphate nanofertilizers: optimizing the synthetic strategy towards environmental sustainability and manufacturing costs. <i>Scientific Reports</i> , 2021, 11, 3419.	3.3	40
5	Towards a more sustainable viticulture: foliar application of Ni-doped calcium phosphate nanoparticles on Tempranillo grapes. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 1307-1313.	3.5	38
6	Biophysical characterisation, antitumor activity and MOF encapsulation of a half-sandwich ruthenium(<i>II</i>) mitoxantronato system. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2473-2477.	5.8	36
7	Cation Exchange Strategy for the Encapsulation of a Photoactive CO-Releasing Organometallic Molecule into Anionic Porous Frameworks. <i>Inorganic Chemistry</i> , 2016, 55, 6525-6531.	4.0	32
8	Coordination Modulation Method To Prepare New Metal-Organic Framework-Based CO-Releasing Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31158-31167.	8.0	31
9	Aluminum Doped MCM-41 Nanoparticles as Platforms for the Dual Encapsulation of a CO-Releasing Molecule and Cisplatin. <i>Inorganic Chemistry</i> , 2017, 56, 10474-10480.	4.0	27
10	The role of nanoparticle structure and morphology in the dissolution kinetics and nutrient release of nitrate-doped calcium phosphate nanofertilizers. <i>Scientific Reports</i> , 2020, 10, 12396.	3.3	26
11	Urea-Doped Calcium Phosphate Nanoparticles as Sustainable Nitrogen Nanofertilizers for Viticulture: Implications on Yield and Quality of Pinot Gris Grapevines. <i>Agronomy</i> , 2021, 11, 1026.	3.0	26
12	RAPTA-C incorporation and controlled delivery from MIL-100(Fe) nanoparticles. <i>New Journal of Chemistry</i> , 2016, 40, 5690-5694.	2.8	23
13	Green synthesis of zirconium MOF-808 for simultaneous phosphate recovery and organophosphorus pesticide detoxification in wastewater. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19606-19611.	10.3	23
14	One-pot preparation of a novel CO-releasing material based on a CO-releasing molecule-metal-organic framework system. <i>Chemical Communications</i> , 2017, 53, 6581-6584.	4.1	21
15	Porous materials as carriers of gasotransmitters towards gas biology and therapeutic applications. <i>Chemical Communications</i> , 2020, 56, 9750-9766.	4.1	20
16	On the amorphous layer in bone mineral and biomimetic apatite: A combined small- and wide-angle X-ray scattering analysis. <i>Acta Biomaterialia</i> , 2021, 120, 167-180.	8.3	20
17	Mixed-Metal Cerium/Zirconium MOFs with Improved Nerve Agent Detoxification Properties. <i>Inorganic Chemistry</i> , 2020, 59, 16160-16167.	4.0	19
18	Inorganic mesoporous silicas as vehicles of two novel anthracene-based ruthenium metalloarenes. <i>Journal of Inorganic Biochemistry</i> , 2017, 166, 87-93.	3.5	18

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19	Dual removal and selective recovery of phosphate and an organophosphorus pesticide from water by a Zr-based metal-organic framework. <i>Materials Today Chemistry</i> , 2021, 22, 100596.	3.5	9
20	Zirconium Metal-Organic Polyhedra with Dual Behavior for Organophosphate Poisoning Treatment. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26501-26506.	8.0	9
21	Silk fibroin nanoparticles as biocompatible nanocarriers of a novel light-responsive CO-prodrug. <i>Dalton Transactions</i> , 2018, 47, 10434-10438.	3.3	5
22	Physiological and Molecular Investigation of Urea Uptake Dynamics in <i>Cucumis sativus</i> L. Plants Fertilized With Urea-Doped Amorphous Calcium Phosphate Nanoparticles. <i>Frontiers in Plant Science</i> , 2021, 12, 745581.	3.6	4
23	Metal-organic frameworks as platforms for biosignalling molecules. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e125-e126.	0.1	0