

# Carlos M Granadeiro

## List of Publications by Citations

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46  
papers

2,342  
citations

24  
h-index

48  
g-index

49  
ext. papers

2,597  
ext. citations

4.1  
avg, IF

4.65  
L-index

#	Paper	IF	Citations
46	Surface Modification of Graphene Nanosheets with Gold Nanoparticles: The Role of Oxygen Moieties at Graphene Surface on Gold Nucleation and Growth. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 4796-4802	8.6	763
45	A theoretical interpretation of the abnormal 5D0-7F4 intensity based on the Eu <sup>3+</sup> local coordination in the Na <sub>9</sub> [EuW <sub>10</sub> O <sub>36</sub> ]·4H <sub>2</sub> O polyoxometalate. <i>Journal of Luminescence</i> , <b>2006</b> , 121, 561-567	3.8	177
44	An efficient oxidative desulfurization process using terbium-polyoxometalate@MIL-101(Cr). <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 2404	5.5	118
43	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. <i>Applied Catalysis A: General</i> , <b>2013</b> , 453, 316-326	5.1	90
42	Influence of a porous MOF support on the catalytic performance of Eu-polyoxometalate based materials: desulfurization of a model diesel. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1515-1522	5.5	79
41	Production of ultra-deep sulfur-free diesels using a sustainable catalytic system based on UiO-66(Zr). <i>Chemical Communications</i> , <b>2015</b> , 51, 13818-21	5.8	78
40	Oxidative catalytic versatility of a trivacant polyoxotungstate incorporated into MIL-101(Cr). <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 1416	5.5	71
39	Novel polyoxometalate silica nano-sized spheres: efficient catalysts for olefin oxidation and the deep desulfurization process. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9518-28	4.3	66
38	FT-IR, FT-Raman, SERS and computational study of 5-ethylsulphonyl-2-(o-chlorobenzyl)benzoxazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 96, 617-25	4.4	64
37	Catalytic performance and electrochemical behaviour of Metal-organic frameworks: MIL-101(Fe) versus NH <sub>2</sub> -MIL-101(Fe). <i>Polyhedron</i> , <b>2017</b> , 127, 464-470	2.7	55
36	Multifunctional catalyst based on sandwich-type polyoxotungstate and MIL-101 for liquid phase oxidations. <i>Catalysis Today</i> , <b>2013</b> , 210, 142-148	5.3	50
35	Efficient heterogeneous polyoxometalate-hybrid catalysts for the oxidative desulfurization of fuels. <i>Catalysis Communications</i> , <b>2018</b> , 104, 1-8	3.2	49
34	Luminescent Polyoxotungstoeuropate Anion-Pillared Layered Double Hydroxides. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 726-734	2.3	48
33	Lanthanopolyoxotungstates in silica nanoparticles: multi-wavelength photoluminescent core/shell materials. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3313		45
32	Lanthanopolyoxometalates as Building Blocks for Multiwavelength Photoluminescent Organic-Inorganic Hybrid Materials. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 5088-5095	2.3	38
31	Lanthanopolyoxometalates: From the structure of polyanions to the design of functional materials. <i>Polyhedron</i> , <b>2013</b> , 52, 10-24	2.7	37
30	Novel heterogeneous catalysts based on lanthanopolyoxometalates supported on MIL-101(Cr). <i>Catalysis Today</i> , <b>2013</b> , 218-219, 35-42	5.3	36

29	Vibrational spectroscopic studies and computational study of 4-fluoro-N-(2-hydroxy-4-nitrophenyl)phenylacetamide. <i>Journal of Molecular Structure</i> , <b>2011</b> , 994, 223-234	3-4	36
28	IR, Raman and SERS spectra of 2-(methoxycarbonylmethylsulfanyl)-3,5-dinitrobenzene carboxylic acid. <i>Journal of the Brazilian Chemical Society</i> , <b>2009</b> , 20, 549-559	1-5	33
27	Oxidative desulfurization strategies using Keggin-type polyoxometalate catalysts: Biphasic versus solvent-free systems. <i>Catalysis Today</i> , <b>2019</b> , 333, 226-236	5-3	33
26	FT-IR, FT-Raman, surface enhanced Raman scattering and computational study of 2-(p-fluorobenzyl)-6-nitrobenzoxazole. <i>Journal of Molecular Structure</i> , <b>2012</b> , 1012, 22-30	3-4	31
25	Desulfurization process conciliating heterogeneous oxidation and liquid extraction: Organic solvent or centrifugation/water?. <i>Applied Catalysis A: General</i> , <b>2017</b> , 542, 359-367	5-1	27
24	Mesoporous nanosilica-supported polyoxomolybdate as catalysts for sustainable desulfurization. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 275, 163-171	5-3	27
23	Improving the Catalytic Performance of Keggin [PWO] for Oxidative Desulfurization: Ionic Liquids versus SBA-15 Composite. <i>Materials</i> , <b>2018</b> , 11,	3-5	24
22	Large-pore silica spheres as support for samarium-coordinated undecamolybdophosphate: Oxidative desulfurization of diesels. <i>Fuel</i> , <b>2020</b> , 259, 116213	7-1	23
21	Effect on selective adsorption of ethane and ethylene of the polyoxometalates impregnation in the metal-organic framework MIL-101. <i>Adsorption</i> , <b>2014</b> , 20, 533-543	2-6	21
20	Europium Polyoxometalates Encapsulated in Silica Nanoparticles [Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 2877-2886	2-3	21
19	The first one-dimensional lanthanopolyoxotungstoborate. <i>Inorganic Chemistry Communication</i> , <b>2005</b> , 8, 924-927	3-1	21
18	Sustainable Desulfurization Processes Catalyzed by Titanium-Polyoxometalate@TM-SBA-15. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1140-1150	2-3	20
17	Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. <i>Energies</i> , <b>2018</b> , 11, 1696	3-1	20
16	Dinuclear lanthanide(III) complexes by metal-ion-assisted hydration of di-2-pyridyl ketone azine. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 4145-7	5-1	20
15	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 234, 248-256	5-3	17
14	IR, Raman and SERS spectra of 2-phenoxyethylbenzothiazole. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 74, 132-9	4-4	16
13	SiW11Fe@MIL-101(Cr) Composite: A Novel and Versatile Electrocatalyst. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1293-1300	4-3	15
12	Photoluminescent hybrid materials based on lanthanopolyoxotungstates and 3-hydroxypicolinic acid. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 451, 422-425	5-7	14

11	Luminescent Transparent Composite Films Based on Lanthanopolyoxometalates and Filmogenic Polysaccharides. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 1890-1896	2.3	13
10	Photoluminescent bimetallic-3-hydroxypicolinate/graphene oxide nanocomposite. <i>RSC Advances</i> , <b>2012</b> , 2, 9443	3.7	11
9	Cobalt aluminate nanoparticles supported on MIL-101 structure: catalytic performance investigation. <i>RSC Advances</i> , <b>2015</b> , 5, 4175-4183	3.7	9
8	Multifunctionality in Two Families of Dinuclear Lanthanide(III) Complexes with a Tridentate Schiff-Base Ligand. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9581-9585	5.1	8
7	Effective Zinc-Substituted Keggin Composite To Catalyze the Removal of Sulfur from Real Diesels under a Solvent-Free System. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18540-18549	3.9	7
6	Mesoporous Silica vs. Organosilica Composites to Desulfurize Diesel. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 7565		4
5	FT-IR, FT-Raman, SERS spectra and computational calculations of 4-ethyl-N-(2-hydroxy-5-nitrophenyl)benzamide. <i>Journal of Raman Spectroscopy</i> , <b>2009</b> , 41, n/a-n/a	2.3	4
4	Solvent-Free Desulfurization System to Produce Low-Sulfur Diesel Using Hybrid Monovacant Keggin-Type Catalyst. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
3	Vanadium C-scorpionate supported on mesoporous aptes-functionalized SBA-15 as catalyst for the peroxidative oxidation of benzyl alcohol. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 320, 111111	5.3	1
2	Lindqvist versus Keggin-Type Polyoxometalates as Catalysts for Effective Desulfurization of Fuels. <i>Catalysts</i> , <b>2022</b> , 12, 581	4	1
1	Lanthanopolyoxometalate-Silica Core/Shell Nanoparticles as Potential MRI Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 3458-3465	2.3	0