

Alexandre A S Goncalves

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5461856/alexandre-a-s-goncalves-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

8,593
citations

32
h-index

63
g-index

63
ext. papers

9,539
ext. citations

10.5
avg, IF

6.62
L-index

#	Paper	IF	Citations
63	Non-Noble Plasmonic Metal-Based Photocatalysts.. <i>Chemical Reviews</i> , 2022 ,	68.1	20
62	Role of activated carbons as metal-free catalysts 2022 , 245-265		
61	Toward development of single-atom ceramic catalysts for selective catalytic reduction of NO with NH. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123413	12.8	9
60	Facile mechanochemical synthesis of highly mesoporous Al ₂ O ₃ using boehmite. <i>Microporous and Mesoporous Materials</i> , 2021 , 312, 110792	5.3	7
59	Recent advances in mechanochemical synthesis of mesoporous metal oxides. <i>Materials Advances</i> , 2021 , 2, 2510-2523	3.3	6
58	Advances in Microwave Synthesis of Nanoporous Materials. <i>Advanced Materials</i> , 2021 , 33, e2103477	24	9
57	Major advances in the development of ordered mesoporous materials. <i>Chemical Communications</i> , 2020 , 56, 7836-7848	5.8	41
56	Hierarchical porous carbon derived from acai seed biowaste for supercapacitor electrode materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 12148-12157	2.1	14
55	A generalized strategy for synthesizing crystalline bismuth-containing nanomaterials. <i>Nanoscale</i> , 2020 , 12, 8277-8284	7.7	4
54	Identification of preferentially exposed crystal facets by X-ray diffraction.. <i>RSC Advances</i> , 2020 , 10, 5585-5589	3.7	25
53	Utilization of acai stone biomass for the sustainable production of nanoporous carbon for CO ₂ capture. <i>Sustainable Materials and Technologies</i> , 2020 , 25, e00168	5.3	10
52	Fundamentals of adsorption for photocatalysis. <i>Interface Science and Technology</i> , 2020 , 39-62	2.3	5
51	Mechanochemical synthesis of three-component graphene oxide/ordered mesoporous carbon/metal-organic framework composites. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 163-172	9.3	11
50	One-pot synthesis of activated porous graphitic carbon spheres with cobalt nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 582, 123884	5.1	6
49	Development of nickel-incorporated MCM-41/carbon composites and their application in nitrophenol reduction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9618-9628	13	32
48	Characterization of semiconductor photocatalysts. <i>Chemical Society Reviews</i> , 2019 , 48, 5184-5206	58.5	126
47	Low temperature sulfonation of acai stone biomass derived carbons as acid catalysts for esterification reactions. <i>Energy Conversion and Management</i> , 2019 , 196, 821-830	10.6	32

46	Amino acid-assisted synthesis of porous graphitic carbon spheres with highly dispersed Ni nanoparticles. <i>Carbon</i> , 2019 , 153, 206-216	10.4	13
45	Evaporation-induced self-assembly synthesis of nanostructured alumina-based mixed metal oxides with tailored porosity. <i>Journal of Colloid and Interface Science</i> , 2019 , 537, 725-735	9.3	11
44	Capture of Iodide by Bismuth Vanadate and Bismuth Oxide: An Insight into the Process and its Aftermath. <i>ChemSusChem</i> , 2018 , 11, 1486-1493	8.3	12
43	Toward designing semiconductor-semiconductor heterojunctions for photocatalytic applications. <i>Applied Surface Science</i> , 2018 , 430, 2-17	6.7	141
42	Importance of surface modification of Alumina in creating its nanostructured composites with zeolitic imidazolate framework ZIF-67. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 497-504	9.3	16
41	Gas adsorption properties of hybrid graphene-MOF materials. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 801-813	9.3	99
40	One-Pot Synthesis of MeAl ₂ O ₄ (Me = Ni, Co, or Cu) Supported on Al ₂ O ₃ with Ultralarge Mesopores: Enhancing Interfacial Defects in Al ₂ O ₃ To Facilitate the Formation of Spinel Structures at Lower Temperatures. <i>Chemistry of Materials</i> , 2018 , 30, 436-446	9.6	38
39	Facile formation of metallic bismuth/bismuth oxide heterojunction on porous carbon with enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 82-91	9.3	40
38	Effect of metal-ligand ratio on the CO adsorption properties of Cu-BTC metal-organic frameworks.. <i>RSC Advances</i> , 2018 , 8, 35551-35556	3.7	12
37	One-Pot Synthesis of Mesoporous Ni-Ti-Al Ternary Oxides: Highly Active and Selective Catalysts for Steam Reforming of Ethanol. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6079-6092	9.5	35
36	SBA-15 templating synthesis of mesoporous bismuth oxide for selective removal of iodide. <i>Journal of Colloid and Interface Science</i> , 2017 , 501, 248-255	9.3	16
35	Defect formation in metal-organic frameworks initiated by the crystal growth-rate and effect on catalytic performance. <i>Journal of Catalysis</i> , 2017 , 354, 84-91	7.3	49
34	Dual optimization of microporosity in carbon spheres for CO ₂ adsorption by using pyrrole as the carbon precursor and potassium salt as the activator. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19456-19466	13	17
33	Tailoring porosity in carbon spheres for fast carbon dioxide adsorption. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 162-174	9.3	19
32	Mesoporous calcium oxide-silica and magnesium oxide-silica composites for CO ₂ capture at ambient and elevated temperatures. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10914-10924	13	32
31	Microwave-assisted single-surfactant templating synthesis of mesoporous zeolites. <i>RSC Advances</i> , 2016 , 6, 54956-54963	3.7	9
30	Equilibrium isotherms and isosteric heat for CO ₂ adsorption on nanoporous carbons from polymers. <i>Adsorption</i> , 2016 , 22, 581-588	2.6	19
29	Polymer-templated mesoporous hybrid oxides of Al and Cu: highly porous sorbents for ammonia. <i>RSC Advances</i> , 2016 , 6, 38662-38670	3.7	1

28	Synthesis of Porous Crystalline Doped Titania Photocatalysts Using Modified Precursor Strategy. <i>Chemistry of Materials</i> , 2016 , 28, 7878-7888	9.6	20
27	Molecular-based design and emerging applications of nanoporous carbon spheres. <i>Nature Materials</i> , 2015 , 14, 763-74	27	712
26	CO ₂ Adsorption on amine-functionalized periodic mesoporous benzenesilicas. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6792-802	9.5	78
25	Potassium salt-assisted synthesis of highly microporous carbon spheres for CO ₂ adsorption. <i>Carbon</i> , 2015 , 82, 297-303	10.4	105
24	Coconut shell-based microporous carbons for CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2013 , 180, 280-283	5.3	115
23	Importance of small micropores in CO ₂ capture by phenolic resin-based activated carbon spheres. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 112-116	13	324
22	Development of microporous carbons for CO ₂ capture by KOH activation of African palm shells. <i>Journal of CO₂ Utilization</i> , 2013 , 2, 35-38	7.6	92
21	Graphitic Mesoporous Carbons with Embedded Prussian Blue-Derived Iron Oxide Nanoparticles Synthesized by Soft Templating and Low-Temperature Graphitization. <i>Chemistry of Materials</i> , 2013 , 25, 2803-2811	9.6	59
20	Enhancement of CO ₂ adsorption on phenolic resin-based mesoporous carbons by KOH activation. <i>Carbon</i> , 2013 , 65, 334-340	10.4	109
19	Standard nitrogen adsorption data for alumina and their use for characterization of mesoporous alumina-based materials. <i>Adsorption</i> , 2013 , 19, 475-481	2.6	11
18	Effect of cosolvent organic molecules on the adsorption and structural properties of soft-templated ordered mesoporous alumina. <i>Journal of Colloid and Interface Science</i> , 2012 , 367, 129-34	9.3	13
17	Effect of acid concentration on pore size in polymer-templated mesoporous alumina. <i>Journal of Materials Chemistry</i> , 2012 , 22, 86-92		43
16	Poly(ethylene oxide)-poly(butylene oxide)-poly(ethylene oxide)-templated synthesis of mesoporous alumina: effect of triblock copolymer and acid concentration. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 3738-44	9.5	15
15	New opportunities in Stober synthesis: preparation of microporous and mesoporous carbon spheres. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12636		102
14	Anatase TiO ₂ with Dominant High-Energy {001} Facets: Synthesis, Properties, and Applications. <i>Chemistry of Materials</i> , 2011 , 23, 4085-4093	9.6	615
13	Adsorption and structural properties of ordered mesoporous alumina synthesized in the presence of F127 block copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 385, 121-125	5.1	30
12	Effect of nonionic structure-directing agents on adsorption and structural properties of mesoporous alumina. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9066		42
11	Facile Synthesis of Ordered Mesoporous Alumina and Alumina-Supported Metal Oxides with Tailored Adsorption and Framework Properties. <i>Chemistry of Materials</i> , 2011 , 23, 1147-1157	9.6	246

10	Synthesis of mesoporous alumina from boehmite in the presence of triblock copolymer. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 588-93	9.5	72
9	Mesoporous metal organic framework-boehmite and silica composites. <i>Chemical Communications</i> , 2010 , 46, 6798-800	5.8	65
8	Soft-templating synthesis and properties of mesoporous alumina-titania. <i>Microporous and Mesoporous Materials</i> , 2010 , 128, 180-186	5.3	41
7	Ordered mesoporous alumina-supported metal oxides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15210-6	16.4	314
6	Temperature-programmed microwave-assisted synthesis of SBA-15 ordered mesoporous silica. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14408-14	16.4	127
5	Improvement of the Kruk-Jaroniec-Sayari method for pore size analysis of ordered silicas with cylindrical mesopores. <i>Langmuir</i> , 2006 , 22, 6757-60	4	251
4	Gas Adsorption Characterization of Ordered Organic-Inorganic Nanocomposite Materials. <i>Chemistry of Materials</i> , 2001 , 13, 3169-3183	9.6	2680
3	Colloidal imprinting: a novel approach to the synthesis of mesoporous carbons. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9208-9	16.4	209
2	Characterization of the Porous Structure of SBA-15. <i>Chemistry of Materials</i> , 2000 , 12, 1961-1968	9.6	1137
1	Functionalized MCM-41 and CeMCM-41 Materials Synthesized via Interfacial Reactions. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 9713-9719	3.4	30