

Amelia Martinez-Alonso

List of Publications by Year in Descending Order

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

62

papers

2,577

citations

26

h-index

50

g-index

62

ext. papers

2,826

ext. citations

7.3

avg, IF

4.86

L-index

#	Paper	IF	Citations
62	Nickel nanoparticle/carbon catalysts derived from a novel aqueous-synthesized metal-organic framework for nitroarene reduction. <i>Journal of Alloys and Compounds</i> , 2021 , 853, 157348	5.7	20
61	Aqueous Cathodic Exfoliation Strategy toward Solution-Processable and Phase-Preserved MoS Nanosheets for Energy Storage and Catalytic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36991-37003	9.5	24
60	An aqueous cathodic delamination route towards high quality graphene flakes for oil sorption and electrochemical charge storage applications. <i>Chemical Engineering Journal</i> , 2019 , 372, 1226-1239	14.7	7
59	Ordered mesoporous carbons obtained from low-value coal tar products for electrochemical energy storage and water remediation. <i>Fuel Processing Technology</i> , 2019 , 196, 106152	7.2	20
58	Aqueous Exfoliation of Transition Metal Dichalcogenides Assisted by DNA/RNA Nucleotides: Catalytically Active and Biocompatible Nanosheets Stabilized by Acid-Base Interactions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2835-2845	9.5	27
57	Impact of Covalent Functionalization on the Aqueous Processability, Catalytic Activity, and Biocompatibility of Chemically Exfoliated MoS Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 27974-27986	9.5	56
56	The importance of electrode characterization to assess the supercapacitor performance of ordered mesoporous carbons. <i>Microporous and Mesoporous Materials</i> , 2016 , 235, 1-8	5.3	23
55	From graphene oxide to pristine graphene: revealing the inner workings of the full structural restoration. <i>Nanoscale</i> , 2015 , 7, 2374-90	7.7	83
54	Production of aqueous dispersions of inorganic graphene analogues by exfoliation and stabilization with non-ionic surfactants. <i>RSC Advances</i> , 2014 , 4, 14115-14127	3.7	90
53	Influence of porous texture and surface chemistry on the CO ₂ adsorption capacity of porous carbons: acidic and basic site interactions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21237-47	9.5	107
52	Chemically exfoliated MoS _x nanosheets as an efficient catalyst for reduction reactions in the aqueous phase. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21702-10	9.5	99
51	Preparation of hierarchical micro-mesoporous aluminosilicate composites by simple Y zeolite/MCM-48 silica assembly. <i>Journal of Alloys and Compounds</i> , 2014 , 583, 60-69	5.7	29
50	Hierarchical micro-mesoporous carbons by direct replication of bimodal aluminosilicate templates. <i>Microporous and Mesoporous Materials</i> , 2014 , 190, 156-164	5.3	7
49	Aromatic polyamides as new precursors of nitrogen and oxygen-doped ordered mesoporous carbons. <i>Carbon</i> , 2014 , 70, 119-129	10.4	53
48	Energy storage on ultrahigh surface area activated carbon fibers derived from PMIA. <i>ChemSusChem</i> , 2013 , 6, 1406-13	8.3	16
47	Developing green photochemical approaches towards the synthesis of carbon nanofiber- and graphene-supported silver nanoparticles and their use in the catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2013 , 3, 18323	3.7	28
46	Towards full repair of defects in reduced graphene oxide films by two-step graphitization. <i>Nano Research</i> , 2013 , 6, 216-233	10	165

45	Effects of phosphoric acid as additive in the preparation of activated carbon fibers from poly(p-phenylene benzobisoxazole) by carbon dioxide activation. <i>Journal of Analytical and Applied Pyrolysis</i> , 2012 , 95, 68-74	6	10
44	Influence of plasma surface treatments on kink band formation in PBO fibers during compression. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 2052-2063	2.9	13
43	Comparative XRD, Raman, and TEM Study on Graphitization of PBO-Derived Carbon Fibers. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 257-268	3.8	150
42	Nanostructure evolution in heat-treated porous carbons derived from PBO polymer. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S464-S468	5.7	5
41	Morphology and adsorption properties of chemically modified MWCNT probed by nitrogen, n-propane and water vapor. <i>Carbon</i> , 2012 , 50, 577-585	10.4	27
40	Graphitization of highly porous carbons derived from poly(p-phenylene benzobisoxazole). <i>Carbon</i> , 2012 , 50, 2929-2940	10.4	29
39	Avoiding structure degradation during activation of ordered mesoporous carbons. <i>Carbon</i> , 2012 , 50, 3826-3835	10.4	22
38	Effect of Plasma Treatments of Bisphenol A Polycarbonate on the Characteristics of Carbon Materials Obtained by Further Pyrolysis. <i>Plasma Processes and Polymers</i> , 2011 , 8, 942-950	3.4	3
37	Complementary X-ray scattering and high resolution imaging of nanostructure development in thermally treated PBO fibers. <i>Carbon</i> , 2011 , 49, 2960-2970	10.4	17
36	Activated carbon fibers with a high content of surface functional groups by phosphoric acid activation of PPTA. <i>Journal of Colloid and Interface Science</i> , 2011 , 361, 307-15	9.3	49
35	A study of the surface morphology of poly(p-phenylene terephthalamide) chars using scanning probe microscopy. <i>Polymer Degradation and Stability</i> , 2010 , 95, 702-707	4.7	5
34	Effect of PPTA pre-impregnation with phosphoric acid on the porous texture of carbons prepared by CO ₂ activation of PPTA chars. <i>Microporous and Mesoporous Materials</i> , 2009 , 119, 284-289	5.3	9
33	Porosity development in chars from thermal degradation of poly(p-phenylene benzobisoxazole). <i>Polymer Degradation and Stability</i> , 2009 , 94, 7-12	4.7	10
32	Porosity development in chars from thermal decomposition of poly(p-phenylene terephthalamide). <i>Polymer Degradation and Stability</i> , 2009 , 94, 1890-1894	4.7	1
31	A possible buckybowl-like structure of zeolite templated carbon. <i>Carbon</i> , 2009 , 47, 1220-1230	10.4	203
30	Preparation of graphene dispersions and graphene-polymer composites in organic media. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3591		276
29	Adsorption on Fullerenes 2008 , 329-367		1
28	Microporosity and mesoporosity of PPTA-derived carbons. Effect of PPTA thermal pretreatment. <i>Microporous and Mesoporous Materials</i> , 2008 , 114, 185-192	5.3	13

- 27 Porous texture evolution in activated carbon fibers prepared from poly (p-phenylene benzobisoxazole) by carbon dioxide activation. *Microporous and Mesoporous Materials*, **2008**, 116, 622-626⁵³ 17
- 26 Modification of the pyrolysis/carbonization of PPTA polymer by intermediate isothermal treatments. *Carbon*, **2008**, 46, 985-993 10.4 31
- 25 Activated carbon fibers from poly(p-phenylene benzobisoxazole). *Carbon*, **2008**, 46, 825-828 10.4 6
- 24 New atomic-scale features in graphite surfaces treated in a dielectric barrier discharge plasma. *Carbon*, **2008**, 46, 1364-1367 10.4 6
- 23 Oxygen and phosphorus enriched carbons from lignocellulosic material. *Carbon*, **2007**, 45, 1941-1950 10.4 95
- 22 Surface characteristics of activated carbons obtained by pyrolysis of plasma pretreated PET. *Journal of Physical Chemistry B*, **2006**, 110, 11327-33 3.4 16
- 21 Surface chemistry of phosphorus-containing carbons of lignocellulosic origin. *Carbon*, **2005**, 43, 2857-2868.4 264
- 20 Nomex polyaramid as a precursor for activated carbon fibres by phosphoric acid activation. Temperature and time effects. *Microporous and Mesoporous Materials*, **2004**, 75, 73-80 5.3 29
- 19 The effect of demineralisation on a lignite surface properties. *Fuel*, **2004**, 83, 845-850 7.1 17
- 18 Surface Characterization of PBO Fibers. *Macromolecules*, **2003**, 36, 8662-8672 5.5 26
- 17 A scanning tunnelling microscopy insight into the preparation of carbon molecular sieves by chemical vapour deposition. *Journal of Materials Chemistry*, **2003**, 13, 1513-1516 10
- 16 Adsorption of n-alkanes on plasma-oxidized high-strength carbon fibers. *Journal of Colloid and Interface Science*, **2002**, 247, 290-302 9.3 14
- 15 Carbon molecular sieves for air separation from Nomex aramid fibers. *Journal of Colloid and Interface Science*, **2002**, 254, 414-6 9.3 16
- 14 Surface Characterization of PPTA Fibers Using Inverse Gas Chromatography. *Macromolecules*, **2002**, 35, 5085-5096 5.5 35
- 13 Effect of sizing on the surface properties of carbon fibres. *Journal of Materials Chemistry*, **2002**, 12, 3843-3850 12
- 12 Preparation and porous texture characteristics of fibrous ultrahigh surface area carbons. *Journal of Materials Chemistry*, **2002**, 12, 3213-3219 26
- 11 Atomic force microscopy investigation of the surface modification of highly oriented pyrolytic graphite by oxygen plasma. *Journal of Materials Chemistry*, **2000**, 10, 1585-1591 39
- 10 Fullerene Reactivity in an Oxygen Plasma. *Fullerenes, Nanotubes, and Carbon Nanostructures*, **1997**, 5, 1075-1081

LIST OF PUBLICATIONS

9	Microporous texture of activated carbon fibers prepared from aramid fiber pulp. <i>Microporous Materials</i> , 1997 , 11, 303-311	32
8	Characterization of common lignite, xylitic lignite and pyropissite varieties of low-rank coals. <i>Fuel</i> , 1994 , 73, 1723-1728	7.1 4
7	Thermal Transformations of Kevlar Aramid Fibers During Pyrolysis: Infrared and Thermal Analysis Studies. <i>Chemistry of Materials</i> , 1994 , 6, 1918-1924	9.6 70
6	Correlation between Arrhenius kinetic parameters in the reaction of different carbon materials with oxygen. <i>Energy & Fuels</i> , 1993 , 7, 1141-1145	4.1 22
5	Mineral matter in coals of different rank from the Asturian Central basin. <i>Fuel</i> , 1992 , 71, 367-372	7.1 29
4	Suitability of thermogravimetry and differential thermal analysis techniques for characterization of pitches. <i>Fuel</i> , 1992 , 71, 611-617	7.1 30
3	The Determining Role of Mineral Matter on Gasification Reactivities of Brown Coal Chars 1991 , 435-460	8
2	Interactions between carboxyl groups and inorganic elements in Spanish brown coals. <i>Fuel</i> , 1990 , 69, 362-367	7.1 21
1	Reactions of coal mineral matter during coal chlorination. <i>Fuel</i> , 1990 , 69, 873-877	7.1 5