

Sofia Vega

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.

36
papers

1,038
citations

14
h-index

32
g-index

37
ext. papers

1,157
ext. citations

6.9
avg, IF

3.92
L-index

#	Paper	IF	Citations
36	Monolithic Stirrer Reactors for the Sustainable Production of Dihydroxybenzenes over 3D Printed Fe/Al ₂ O ₃ Monoliths: Kinetic Modeling and CFD Simulation. <i>Catalysts</i> , 2022 , 12, 112	4	1
35	Functionalization and soft photoreduction of graphene oxide triggered by the photoinitiator during thiol-ene radical addition. <i>FlatChem</i> , 2022 , 33, 100349	5.1	
34	3D-Printed Fe/AlO Monoliths from MOF-Based Boehmite Inks for the Catalytic Hydroxylation of Phenol. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
33	Insights in The Chemical Composition of Graphene Oxide via A Simple and Versatile Fluorescent Labelling Method. <i>ChemNanoMat</i> , 2021 , 7, 842-850	3.5	1
32	Tuning the nucleophilic attack and the reductive action of glycine on graphene oxide under basic medium. <i>Materials Today Chemistry</i> , 2021 , 19, 100386	6.2	4
31	Iron-based metal-organic frameworks integrated into 3D printed ceramic architectures. <i>Open Ceramics</i> , 2021 , 5, 100047	3.3	9
30	New insights in the chemical functionalization of graphene oxide by thiol-ene Michael addition reaction. <i>FlatChem</i> , 2021 , 26, 100230	5.1	4
29	Layer-by-Layer Method to Prepare Three-Dimensional Reduced Graphene Materials with Controlled Architectures Using SiO ₂ as a Sacrificial Template. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 11063-11069	3.9	2
28	Photochemical Functionalization of Graphene Oxide by Thiol-ene Click Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13033-13041	3.9	7
27	Direct Hydroxylation of Phenol to Dihydroxybenzenes by H ₂ O ₂ and Fe-based Metal-Organic Framework Catalyst at Room Temperature. <i>Catalysts</i> , 2020 , 10, 172	4	14
26	Pyrrolic nitrogen-doped multiwall carbon nanotubes using ball-milled slag-SiC mixtures as a catalyst by aerosol assisted chemical vapor deposition. <i>Materials Research Express</i> , 2020 ,	1.7	3
25	Reduced graphene oxide coating with high performance for the solid phase micro-extraction of furfural in espresso coffee. <i>Journal of Food Measurement and Characterization</i> , 2020 , 14, 314-321	2.8	2
24	Self-assembled free-standing graphene oxide hybrid films modified by silane functionalized TiO ₂ nanotubes to increase their final Young's modulus. <i>Materials Chemistry and Physics</i> , 2019 , 231, 114-120	4.4	2
23	Three-dimensional structure made with nitrogen-doped reduced graphene oxide with spherical porous morphology. <i>Carbon</i> , 2019 , 149, 86-92	10.4	14
22	Simple preparation of reduced graphene oxide coatings for solid phase micro-extraction (SPME) of furfural to be detected by gas chromatography/mass spectrometry. <i>Materials Chemistry and Physics</i> , 2018 , 213, 556-561	4.4	17
21	H ₂ O ₂ /UV layer-by-layer oxidation of multiwall carbon nanotubes: The Brion effect and the control of the degree of surface crystallinity and diameter. <i>Carbon</i> , 2018 , 139, 1027-1034	10.4	5
20	Reverse hydrogen spillover during ethanol dehydrogenation on TiO ₂ -supported gold catalysts. <i>Molecular Catalysis</i> , 2017 , 433, 391-402	3.3	10

19	Potassium intercalated multiwalled carbon nanotubes. <i>Carbon</i> , 2016 , 105, 90-95	10.4	14
18	The influence of carbon nanotubes characteristics in their performance as positive electrodes in vanadium redox flow batteries. <i>Sustainable Energy Technologies and Assessments</i> , 2015 , 9, 105-110	4.7	21
17	Magnetic and Electrical Properties of Nitrogen-Doped Multiwall Carbon Nanotubes Fabricated by a Modified Chemical Vapor Deposition Method. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-14	3.2	7
16	Morphology and chain mobility of reactive blend nanocomposites of PP-EVA/Clay. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	12
15	Extraordinary toughening enhancement and flexural strength in Si ₃ N ₄ composites using graphene sheets. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 161-169	6	108
14	Aligned carbon nanotube/silicon carbide hybrid materials with high electrical conductivity, superhydrophobicity and superoleophilicity. <i>Carbon</i> , 2014 , 80, 120-126	10.4	21
13	Super-stretchable graphene oxide macroscopic fibers with outstanding knotability fabricated by dry film scrolling. <i>ACS Nano</i> , 2014 , 8, 5959-67	16.7	150
12	Synthesis, Characterization and Magnetic Properties of Defective Nitrogen-Doped Multiwall Carbon Nanotubes Encapsulating Ferromagnetic Nanoparticles. <i>Journal of Nano Research</i> , 2014 , 28, 39-49	1	2
11	Nitrogen-doped-CNTs/Si ₃ N ₄ nanocomposites with high electrical conductivity. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1097-1104	6	11
10	CO ₂ adsorption on crystalline graphitic nanostructures. <i>Journal of CO₂ Utilization</i> , 2014 , 5, 60-65	7.6	14
9	Pine-tree-like morphologies of nitrogen-doped carbon nanotubes: Electron field emission enhancement. <i>Journal of Materials Research</i> , 2014 , 29, 2441-2450	2.5	4
8	Synthesis of conducting graphene/Si ₃ N ₄ composites by spark plasma sintering. <i>Carbon</i> , 2013 , 57, 425-432	10.4	72
7	Large area films of alternating graphene-carbon nanotube layers processed in water. <i>ACS Nano</i> , 2013 , 7, 10788-98	16.7	73
6	Formation of nitrogen-doped graphene nanoribbons via chemical unzipping. <i>ACS Nano</i> , 2013 , 7, 2192-2046	16.7	61
5	Clean nanotube unzipping by abrupt thermal expansion of molecular nitrogen: graphene nanoribbons with atomically smooth edges. <i>ACS Nano</i> , 2012 , 6, 2261-72	16.7	48
4	Enhanced electrical conductivities of N-doped carbon nanotubes by controlled heat treatment. <i>Nanoscale</i> , 2011 , 3, 4359-64	7.7	50
3	Unusually high dispersion of nitrogen-doped carbon nanotubes in DNA solution. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 14295-300	3.4	8
2	Step-like melting mechanisms of isothermally crystallized isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008 , 46, 2188-2200	2.6	9

- 1 Complex Isothermal Crystallization and Melting Behavior of Nylon 6 Nanoclay Hybrids.
Macromolecules, **2005**, 38, 4246-4253

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