Sofia Vega

List of Publications by Citations

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	Super-stretchable graphene oxide macroscopic fibers with outstanding knotability fabricated by dry film scrolling. *ACS Nano*, **2014**, 8, 5959-67	16.7	150
35	Extraordinary toughening enhancement and flexural strength in Si3N4 composites using graphene sheets. *Journal of the European Ceramic Society*, **2014**, 34, 161-169	6	108
34	Large area films of alternating graphene-carbon nanotube layers processed in water. *ACS Nano*, **2013**, 7, 10788-98	16.7	73
33	Synthesis of conducting graphene/Si3N4 composites by spark plasma sintering. *Carbon*, **2013**, 57, 425-432	10.4	72
32	Formation of nitrogen-doped graphene nanoribbons via chemical unzipping. *ACS Nano*, **2013**, 7, 2192-204	16.7	61
31	Enhanced electrical conductivities of N-doped carbon nanotubes by controlled heat treatment. *Nanoscale*, **2011**, 3, 4359-64	7.7	50
30	Clean nanotube unzipping by abrupt thermal expansion of molecular nitrogen: graphene nanoribbons with atomically smooth edges. *ACS Nano*, **2012**, 6, 2261-72	16.7	48
29	Complex Isothermal Crystallization and Melting Behavior of Nylon 6 Nanoclay Hybrids. *Macromolecules*, **2005**, 38, 4246-4253	5.5	27
28	The influence of carbon nanotubes characteristics in their performance as positive electrodes in vanadium redox flow batteries. *Sustainable Energy Technologies and Assessments*, **2015**, 9, 105-110	4.7	21
27	Aligned carbon nanotube/silicon carbide hybrid materials with high electrical conductivity, superhydrophobicity and superoleophilicity. *Carbon*, **2014**, 80, 120-126	10.4	21
26	Simple preparation of reduced graphene oxide coatings for solid phase micro-extraction (SPME) of furfural to be detected by gas chromatography/mass spectrometry. *Materials Chemistry and Physics* , **2018**, 213, 556-561	4.4	17
25	Three-dimensional structure made with nitrogen-doped reduced graphene oxide with spherical porous morphology. *Carbon*, **2019**, 149, 86-92	10.4	14
24	Direct Hydroxylation of Phenol to Dihydroxybenzenes by H2O2 and Fe-based Metal-Organic Framework Catalyst at Room Temperature. *Catalysts*, **2020**, 10, 172	4	14
23	CO2 adsorption on crystalline graphitic nanostructures. *Journal of CO2 Utilization*, **2014**, 5, 60-65	7.6	14
22	Potassium intercalated multiwalled carbon nanotubes. *Carbon*, **2016**, 105, 90-95	10.4	14
21	Morphology and chain mobility of reactive blend nanocomposites of PP-EVA/Clay. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	12
20	Nitrogen-doped-CNTs/Si3N4 nanocomposites with high electrical conductivity. *Journal of the European Ceramic Society*, **2014**, 34, 1097-1104	6	11

19	Reverse hydrogen spillover during ethanol dehydrogenation on TiO 2 -supported gold catalysts. *Molecular Catalysis*, **2017**, 433, 391-402	3.3	10
18	Step-like melting mechanisms of isothermally crystallized isotactic polypropylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 2188-2200	2.6	9
17	Iron-based metal-organic frameworks integrated into 3D printed ceramic architectures. *Open Ceramics*, **2021**, 5, 100047	3.3	9
16	Unusually high dispersion of nitrogen-doped carbon nanotubes in DNA solution. *Journal of Physical Chemistry B*, **2011**, 115, 14295-300	3.4	8
15	Photochemical Functionalization of Graphene Oxide by Thiol□Ene Click Chemistry. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13033-13041	3.9	7
14	Magnetic and Electrical Properties of Nitrogen-Doped Multiwall Carbon Nanotubes Fabricated by a Modified Chemical Vapor Deposition Method. *Journal of Nanomaterials*, **2015**, 2015, 1-14	3.2	7
13	H2O2/UV layer-by-layer oxidation of multiwall carbon nanotubes: The □nion effect□and the control of the degree of surface crystallinity and diameter. *Carbon*, **2018**, 139, 1027-1034	10.4	5
12	Pine-tree-like morphologies of nitrogen-doped carbon nanotubes: Electron field emission enhancement. *Journal of Materials Research*, **2014**, 29, 2441-2450	2.5	4
11	Tuning the nucleophilic attack and the reductive action of glycine on graphene oxide under basic medium. *Materials Today Chemistry*, **2021**, 19, 100386	6.2	4
10	New insights in the chemical functionalization of graphene oxide by thiol-ene Michael addition reaction. *FlatChem*, **2021**, 26, 100230	5.1	4
9	Pyrrolic nitrogen-doped multiwall carbon nanotubes using ball-milled slag-SiC mixtures as a catalyst by aerosol assisted chemical vapor deposition. *Materials Research Express*, **2020**,	1.7	3
8	3D-Printed Fe/□AlO Monoliths from MOF-Based Boehmite Inks for the Catalytic Hydroxylation of Phenol.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	3
7	Self-assembled free-standing graphene oxide hybrid films modified by silane functionalized TiO2 nanotubes to increase their final Young's modulus. *Materials Chemistry and Physics*, **2019**, 231, 114-120	4.4	2
6	Synthesis, Characterization and Magnetic Properties of Defective Nitrogen-Doped Multiwall Carbon Nanotubes Encapsulating Ferromagnetic Nanoparticles. *Journal of Nano Research*, **2014**, 28, 39-49	1	2
5	Reduced graphene oxide coating with high performance for the solid phase micro-extraction of furfural in espresso coffee. *Journal of Food Measurement and Characterization*, **2020**, 14, 314-321	2.8	2
4	Layer-by-Layer Method to Prepare Three-Dimensional Reduced Graphene Materials with Controlled Architectures Using SiO2 as a Sacrificial Template. *Industrial & Engineering Chemistry Research*, **2021**, 60, 11063-11069	3.9	2
3	Monolithic Stirrer Reactors for the Sustainable Production of Dihydroxybenzenes over 3D Printed Fe/□Al2O3 Monoliths: Kinetic Modeling and CFD Simulation. *Catalysts*, **2022**, 12, 112	4	1
2	Insights in The Chemical Composition of Graphene Oxide via A Simple and Versatile Fluorescent Labelling Method. *ChemNanoMat*, **2021**, 7, 842-850	3.5	1

1 Functionalization and soft photoreduction of graphene oxide triggered by the photoinitiator during thiol-ene radical addition. *FlatChem*, **2022**, 33, 100349 5.1