

# Sergio H Domingues

## List of Publications by Year in descending order

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36  
papers

1,326  
citations

393982

19  
h-index

377514

34  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2191  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Graphene Oxide/Copper Nanowire Hybrid Films as High-Performance Transparent Electrodes. ACS Nano, 2013, 7, 1811-1816.	7.3	261
2	Transparent and conductive thin films of graphene/polyaniline nanocomposites prepared through interfacial polymerization. Chemical Communications, 2011, 47, 2592-2594.	2.2	155
3	Characterisation of electrochemically deposited Ni-Mo alloy coatings. Electrochemistry Communications, 2004, 6, 543-548.	2.3	106
4	Targeted thiolation of graphene oxide and its utilization as precursor for graphene/silver nanoparticles composites. Carbon, 2013, 61, 543-550.	5.4	75
5	pKa determination of graphene-like materials: Validating chemical functionalization. Journal of Colloid and Interface Science, 2016, 467, 239-244.	5.0	73
6	Reduction of graphene oxide films on Al foil for hybrid transparent conductive film applications. Carbon, 2013, 63, 454-459.	5.4	53
7	Electrodeposition of Ni-Mo and Fe-Mo alloys from sulfate-citrate acid solutions. Journal of the Brazilian Chemical Society, 2003, 14, 556-563.	0.6	50
8	Graphene oxide and reduced graphene oxide as saturable absorbers onto D-shaped fibers for sub 200-fs EDFL mode-locking. Optical Materials Express, 2018, 8, 144.	1.6	48
9	Tri-layer graphene films produced by mechanochemical exfoliation of graphite. Carbon, 2013, 57, 410-415.	5.4	46
10	Graphene Oxide/Gold Nanorod Nanocomposite for Stable Surface-Enhanced Raman Spectroscopy. ACS Photonics, 2016, 3, 1027-1035.	3.2	40
11	Air stable black phosphorous in polyaniline-based nanocomposite. Scientific Reports, 2017, 7, 10165.	1.6	35
12	Crumpled Graphene Decorated with Manganese Ferrite Nanoparticles for Hydrogen Peroxide Sensing and Electrochemical Supercapacitors. ACS Applied Nano Materials, 2020, 3, 4859-4869.	2.4	35
13	Novel improvement in processing of polymer nanocomposite based on 2D materials as fillers. EXPRESS Polymer Letters, 2018, 12, 930-945.	1.1	33
14	Imidazole-derived graphene nanocatalysts for organophosphate destruction: Powder and thin film heterogeneous reactions. Journal of Catalysis, 2017, 356, 75-84.	3.1	30
15	Supports matter: unraveling the role of charge transfer in the plasmonic catalytic activity of silver nanoparticles. Journal of Materials Chemistry A, 2017, 5, 11720-11729.	5.2	28
16	Functionalized graphene oxide as a nanocatalyst in dephosphorylation reactions: pursuing artificial enzymes. Chemical Communications, 2014, 50, 9891-9894.	2.2	27
17	Fast synthesis of $\gamma$ -MnO <sub>2</sub> for a high-performance supercapacitor electrode. SN Applied Sciences, 2020, 2, 1.	1.5	25
18	Probing the Catalytic Activity of Reduced Graphene Oxide Decorated with Au Nanoparticles Triggered by Visible Light. Chemistry - A European Journal, 2015, 21, 9889-9894.	1.7	21

#	ARTICLE	IF	CITATIONS
19	High capacitive rGO/WO <sub>3</sub> nanocomposite: the simplest and fastest route of preparing it. Applied Nanoscience (Switzerland), 2020, 10, 165-175.	1.6	19
20	Ternary Nanocomposites of Reduced Graphene Oxide, Polyaniline, and Iron Oxide Applied for Energy Storage. ACS Applied Nano Materials, 2021, 4, 5553-5563.	2.4	18
21	Tuning of surface properties of poly(vinyl alcohol)/graphene oxide nanocomposites. Polymer Composites, 2019, 40, E312.	2.3	17
22	A black phosphorus-based cathode for aqueous Na-ion batteries operating under ambient conditions. Chemical Communications, 2020, 56, 802-805.	2.2	17
23	Liquid phase exfoliated black phosphorus and reduced graphene oxide polymer-based saturable absorbers fabrication using the droplet method for mode-locking applications. Optics and Laser Technology, 2018, 106, 107-112.	2.2	16
24	Graphene nanoribbons inducing cube-shaped Ag nanoparticle assemblies. Carbon, 2015, 93, 800-811.	5.4	15
25	Chemical versus electrochemical: What is the best synthesis method to ternary GO/WO <sub>3</sub> NW/PAni nanocomposites to improve performance as supercapacitor?. Electrochimica Acta, 2020, 356, 136786.	2.6	12
26	Multifunctional Hybrid MoS <sub>2</sub> -PEGylated/Au Nanostructures with Potential Theranostic Applications in Biomedicine. Nanomaterials, 2022, 12, 2053.	1.9	12
27	Real-time optofluidic surface-enhanced Raman spectroscopy based on a graphene oxide/gold nanorod nanocomposite. Optics Express, 2018, 26, 22698.	1.7	11
28	One-step deposition and in-situ reduction of graphene oxide in photonic crystal fiber for all-fiber laser mode locking. Optics and Laser Technology, 2020, 121, 105838.	2.2	10
29	THE EFFECT OF VARIATION OF REACTIONAL PARAMETERS IN THE PREPARATION OF GRAPHENE BY OXIDATION AND REDUCTION OF GRAPHITE. Quimica Nova, 2014, , .	0.3	9
30	Integrated Computational and Experimental Design of Ductile, Abrasion-Resistant Thermoplastic Polyurethane/Graphene Oxide Nanocomposites. ACS Applied Nano Materials, 2020, 3, 9694-9705.	2.4	7
31	Can reduced graphene oxide look like few-layer pristine graphene?. Diamond and Related Materials, 2021, 120, 108616.	1.8	6
32	Theoretical Design and Experimental Realization of Quasi Single Electron Enhancement in Plasmonic Catalysis. Angewandte Chemie - International Edition, 2015, 54, 14427-14431.	7.2	4
33	300-fs mode-locked Erbium doped fiber laser using evanescent field interaction through graphene oxide saturable absorber in D-shaped fibers. , 2016, , .		4
34	Graphene-carbon nanotube hybrid transparent conductive films. Proceedings of SPIE, 2013, , .	0.8	3
35	Sub-300fs mode-locked erbium doped fiber laser using graphene oxide and reduced graphene oxide onto D-shaped optical fibers. , 2017, , .		1
36	Optofluidic SERS in a Microcapillary Coated with a Graphene Oxide/Gold Nanorod Nanocomposite. , 2018, , .		0