Cecilia de Carvalho Castro e Silva

List of Publications by Year
in descending order

18	1,655	840776 11	940533 16
papers	citations	h-index	g-index

18	18	18	4235
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The role of electronic coupling between substrate and 2D MoS2 nanosheets in electrocatalytic production of hydrogen. Nature Materials, 2016, 15, 1003-1009.	27.5	687
2	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. Nature Chemistry, 2015, 7, 45-49.	13.6	637
3	Graphene Oxide Mediated Broad-Spectrum Antibacterial Based on Bimodal Action of Photodynamic and Photothermal Effects. Frontiers in Microbiology, 2019, 10, 2995.	3.5	55
4	Recent advancement in biomedical applications on the surface of two-dimensional materials: from biosensing to tissue engineering. Nanoscale, 2020, 12, 19043-19067.	5.6	50
5	Construction of a new functional platform by grafting poly(4-vinylpyridine) in multi-walled carbon nanotubes for complexing copper ions aiming the amperometric detection of l-cysteine. Electrochimica Acta, 2012, 71, 150-158.	5.2	44
6	Nanodiagnostics to Face SARS-CoV-2 and Future Pandemics: From an Idea to the Market and Beyond. ACS Nano, 2021, 15, 17137-17149.	14.6	32
7	A plug, print & play inkjet printing and impedance-based biosensing technology operating through a smartphone for clinical diagnostics. Biosensors and Bioelectronics, 2022, 196, 113737.	10.1	28
8	Electrochemical Oxidation of Glassy Carbon Provides Similar Electrochemical Response as Graphene Oxide Prepared by Tour or Hummers Routes. ChemElectroChem, 2015, 2, 761-767.	3.4	25
9	Tuning the electrochemical reduction of graphene oxide: structural correlations towards the electrooxidation of nicotinamide adenine dinucleotide hydride. Electrochimica Acta, 2016, 197, 194-199.	5.2	23
10	Graphene Oxide Theranostic Effect: Conjugation of Photothermal and Photodynamic Therapies Based on an in vivo Demonstration. International Journal of Nanomedicine, 2021, Volume 16, 1601-1616.	6.7	19
11	Engineering two-dimensional gold nanostructures using graphene oxide nanosheets as a template. Nanoscale, 2018, 10, 13315-13319.	5.6	15
12	Synthesis and Electrochemical Characterization of Poly(2â€•methoxyâ€4â€•vinylphenol) with MWCNTs. Electroanalysis, 2011, 23, 2562-2568.	2.9	11
13	Graphene oxide fibers by microfluidics assembly: a strategy for structural and dimensional control. Nanoscale, 2021, 13, 6752-6758.	5.6	8
14	Long-term environmental stability of nitrogen-healed black phosphorus. Applied Surface Science, 2021, 564, 150450.	6.1	7
15	Purification of graphene oxide dispersions by using a fluidic cell. Analytical Methods, 2020, 12, 3575-3581.	2.7	6
16	Addressing the Theoretical and Experimental Aspects of Low-Dimensional-Materials-Based FET Immunosensors: A Review. Chemosensors, 2021, 9, 162.	3.6	5
17	Sensing Materials: Electrolyte-Gated Organic Field-Effect Transistor (EGOFETs). , 2021, , .		2
18	Interfacial Capacitance of Graphene Oxide Films Electrodes: Fundamental Studies on Electrolytes Interface Aiming (Bio)Sensing Applications. Electroanalysis, 0, , .	2.9	1