Hugo C Nolan

List of Publications by Year
in descending order

22	1,202	516215 16	676716 22
papers	citations	h-index	g-index

23	23	23	2642
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasma-assisted simultaneous reduction and nitrogen doping of graphene oxide nanosheets. Journal of Materials Chemistry A, 2013, 1, 4431.	5.2	198
2	Low-Overpotential High-Activity Mixed Manganese and Ruthenium Oxide Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. ACS Catalysis, 2016, 6, 2408-2415.	5.5	139
3	Synthesis and analysis of thin conducting pyrolytic carbon films. Carbon, 2012, 50, 1216-1226.	5.4	116
4	Simultaneous electrochemical determination of dopamine and paracetamol based on thin pyrolytic carbon films. Analytical Methods, 2012, 4, 2048.	1.3	95
5	Nitrogen-doped reduced graphene oxide electrodes for electrochemical supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 2280.	1.3	87
6	Highly sensitive, transparent, and flexible gas sensors based on gold nanoparticle decorated carbon nanotubes. Sensors and Actuators B: Chemical, 2013, 188, 571-575.	4.0	77
7	Functionalisation of graphene surfaces with downstream plasma treatments. Carbon, 2013, 54, 283-290.	5.4	77
8	Electrochromic Nickel Oxide Films for Smart Window Applications. International Journal of Electrochemical Science, 2016, 11, 6636-6647.	0.5	60
9	Molybdenum disulfide/pyrolytic carbon hybrid electrodes for scalable hydrogen evolution. Nanoscale, 2014, 6, 8185.	2.8	48
10	The goldilocks electrolyte: examining the performance of iron/nickel oxide thin films as catalysts for electrochemical water splitting in various aqueous NaOH solutions. Journal of Materials Chemistry A, 2016, 4, 11397-11407.	5.2	47
11	Electroanalytical Sensing Properties of Pristine and Functionalized Multilayer Graphene. Chemistry of Materials, 2014, 26, 1807-1812.	3.2	43
12	Improving the performance of porous nickel foam for water oxidation using hydrothermally prepared Ni and Fe metal oxides. Sustainable Energy and Fuels, 2017, 1, 207-216.	2.5	38
13	Metal nanoparticleâ€hydrogel nanocomposites for biomedical applications â€“ An atmospheric pressure plasma synthesis approach. Plasma Processes and Polymers, 2018, 15, 1800112.	1.6	34
14	CVD growth and processing of graphene for electronic applications. Physica Status Solidi (B): Basic Research, 2011, 248, 2604-2608.	0.7	31
15	Template-free synthesis of mesoporous manganese oxides with catalytic activity in the oxygen evolution reaction. Sustainable Energy and Fuels, 2017, 1, 780-788.	2.5	31
16	Thermally Prepared Mn₂O₃/RuO₂/Ru Thin Films as Highly Active Catalysts for the Oxygen Evolution Reaction in Alkaline Media. ChemElectroChem, 2016, 3, 1847-1855.	1.7	19
17	Inkjet-defined field-effect transistors from chemical vapour deposited graphene. Carbon, 2014, 71, 332-337.	5.4	17
18	Thermoresponsive nanocomposites incorporating microplasma synthesized magnetic nanoparticlesâ€"Synthesis and potential applications. Plasma Processes and Polymers, 2019, 16, 1800128.	1.6	15

#	Article	IF	Citations
19	Production of 3Dâ€shaped graphene via transfer printing. Physica Status Solidi (B): Basic Research, 2012, 249, 2515-2518.	0.7	13
20	Magnetically activated adhesives: towards on-demand magnetic triggering of selected polymerisation reactions. Chemical Science, 2017, 8, 7758-7764.	3.7	6
21	Functionalization of Contacted Carbon Nanotube Forests by Dip Coating for Highâ€Performance Biocathodes. ChemElectroChem, 2020, 7, 4685-4689.	1.7	6
22	Nitrogen-doped pyrolytic carbon films as highly electrochemically active electrodes. Physical Chemistry Chemical Physics, 2013, 15, 18688.	1.3	5