

# Hugo C Nolan

## List of Publications by Citations

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22  
papers

973  
citations

17  
h-index

23  
g-index

23  
ext. papers

1,089  
ext. citations

6.5  
avg, IF

4.02  
L-index

#	Paper	IF	Citations
22	Plasma-assisted simultaneous reduction and nitrogen doping of graphene oxide nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4431	13	168
21	Low-Overpotential High-Activity Mixed Manganese and Ruthenium Oxide Electrocatalysts for Oxygen Evolution Reaction in Alkaline Media. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2408-2415	13.1	113
20	Synthesis and analysis of thin conducting pyrolytic carbon films. <i>Carbon</i> , <b>2012</b> , 50, 1216-1226	10.4	99
19	Simultaneous electrochemical determination of dopamine and paracetamol based on thin pyrolytic carbon films. <i>Analytical Methods</i> , <b>2012</b> , 4, 2048	3.2	74
18	Nitrogen-doped reduced graphene oxide electrodes for electrochemical supercapacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 2280-4	3.6	70
17	Functionalisation of graphene surfaces with downstream plasma treatments. <i>Carbon</i> , <b>2013</b> , 54, 283-290	10.4	65
16	Highly sensitive, transparent, and flexible gas sensors based on gold nanoparticle decorated carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 188, 571-575	8.5	62
15	Molybdenum disulfide/pyrolytic carbon hybrid electrodes for scalable hydrogen evolution. <i>Nanoscale</i> , <b>2014</b> , 6, 8185-91	7.7	45
14	Electroanalytical Sensing Properties of Pristine and Functionalized Multilayer Graphene. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1807-1812	9.6	40
13	The goldilocks electrolyte: examining the performance of iron/nickel oxide thin films as catalysts for electrochemical water splitting in various aqueous NaOH solutions. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11397-11407	13	39
12	Electrochromic Nickel Oxide Films for Smart Window Applications. <i>International Journal of Electrochemical Science</i> , <b>2016</b> , 6636-6647	2.2	37
11	Improving the performance of porous nickel foam for water oxidation using hydrothermally prepared Ni and Fe metal oxides. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 207-216	5.8	28
10	Template-free synthesis of mesoporous manganese oxides with catalytic activity in the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 780-788	5.8	23
9	CVD growth and processing of graphene for electronic applications. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2604-2608	1.3	23
8	Metal nanoparticle-hydrogel nanocomposites for biomedical applications [An atmospheric pressure plasma synthesis approach. <i>Plasma Processes and Polymers</i> , <b>2018</b> , 15, 1800112	3.4	21
7	Thermally Prepared Mn <sub>2</sub> O <sub>3</sub> /RuO <sub>2</sub> /Ru Thin Films as Highly Active Catalysts for the Oxygen Evolution Reaction in Alkaline Media. <i>ChemElectroChem</i> , <b>2016</b> , 3, 1847-1855	4.3	17
6	Inkjet-defined field-effect transistors from chemical vapour deposited graphene. <i>Carbon</i> , <b>2014</b> , 71, 332-337	3.7	17

5	Production of 3D-shaped graphene via transfer printing. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2515-2518	1.3	12
4	Thermoresponsive nanocomposites incorporating microplasma synthesized magnetic nanoparticles: synthesis and potential applications. <i>Plasma Processes and Polymers</i> , <b>2019</b> , 16, 1800128	3.4	9
3	Magnetically activated adhesives: towards on-demand magnetic triggering of selected polymerisation reactions. <i>Chemical Science</i> , <b>2017</b> , 8, 7758-7764	9.4	6
2	Nitrogen-doped pyrolytic carbon films as highly electrochemically active electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18688-93	3.6	4
1	Functionalization of Contacted Carbon Nanotube Forests by Dip Coating for High-Performance Biocathodes. <i>ChemElectroChem</i> , <b>2020</b> , 7, 4685-4689	4.3	1