

# Samuel J Rowley-Neale

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4187073/publications.pdf>

Version: 2024-02-01

35  
papers

1,824  
citations

331670

21  
h-index

361022

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2736  
citing authors

#	ARTICLE	IF	CITATIONS
1	2D-Hexagonal Boron Nitride Screen-Printed Bulk-Modified Electrochemical Platforms Explored towards Oxygen Reduction Reactions. <i>Sensors</i> , 2022, 22, 3330.	3.8	1
2	Recent advances in 2D hexagonal boron nitride (2D-hBN) applied as the basis of electrochemical sensing platforms. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 663-672.	3.7	41
3	Rapid antibiotic susceptibility testing using resazurin bulk modified screen-printed electrochemical sensing platforms. <i>Analyst, The</i> , 2021, 146, 5574-5583.	3.5	11
4	Facile synthesis of Ni/NiO nanocomposites: the effect of Ni content in NiO upon the oxygen evolution reaction within alkaline media. <i>RSC Advances</i> , 2021, 11, 14654-14664.	3.6	36
5	Enhancing the efficiency of the hydrogen evolution reaction utilising Fe <sub>3</sub> P bulk modified screen-printed electrodes <i>via</i> the application of a magnetic field. <i>RSC Advances</i> , 2021, 11, 8073-8079.	3.6	12
6	MoO <sub>2</sub> Nanowire Electrochemically Decorated Graphene Additively Manufactured Supercapacitor Platforms. <i>Advanced Energy Materials</i> , 2021, 11, 2100433.	19.5	25
7	Screen-printed electrodes: Transitioning the laboratory in-to-the field. <i>Talanta Open</i> , 2021, 3, 100032.	3.7	130
8	Low-temperature synthesis of vertically aligned graphene through microwave-assisted chemical vapour deposition. <i>Thin Solid Films</i> , 2021, 733, 138801.	1.8	13
9	Glassy Carbon Electrode Modified with Layering of Carbon Black/Poly(Allylamine Hydrochloride) Composite for Multianalyte Determination. <i>Electroanalysis</i> , 2021, 33, 526-536.	2.9	8
10	Tailoring the electrochemical properties of 2D-hBN <i>via</i> physical linear defects: physicochemical, computational and electrochemical characterisation. <i>Nanoscale Advances</i> , 2020, 2, 264-273.	4.6	11
11	Single step additive manufacturing (3D printing) of electrocatalytic anodes and cathodes for efficient water splitting. <i>Sustainable Energy and Fuels</i> , 2020, 4, 302-311.	4.9	49
12	Recent advances in portable heavy metal electrochemical sensing platforms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2676-2690.	2.4	99
13	Functionalized Co <sub>3</sub> O <sub>4</sub> graphitic nanoparticles: A high performance electrocatalyst for the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31380-31388.	7.1	21
14	Platinum nanoparticle decorated vertically aligned graphene screen-printed electrodes: electrochemical characterisation and exploration towards the hydrogen evolution reaction. <i>Nanoscale</i> , 2020, 12, 18214-18224.	5.6	23
15	Graphene Oxide Bulk-Modified Screen-Printed Electrodes Provide Beneficial Electroanalytical Sensing Capabilities. <i>Biosensors</i> , 2020, 10, 27.	4.7	21
16	Screen Printed Electrode Based Detection Systems for the Antibiotic Amoxicillin in Aqueous Samples Utilising Molecularly Imprinted Polymers as Synthetic Receptors. <i>Chemosensors</i> , 2020, 8, 5.	3.6	42
17	Molybdenum Disulfide Surfaces to Reduce <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> Biofilm Formation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21057-21069.	8.0	13
18	<i>In situ</i> addition of graphitic carbon into a NiCo <sub>2</sub> O <sub>4</sub> /CoO composite: enhanced catalysis toward the oxygen evolution reaction. <i>RSC Advances</i> , 2019, 9, 24995-25002.	3.6	24

#	ARTICLE	IF	CITATIONS
19	Mass-producible 2D-WS <sub>2</sub> bulk modified screen printed electrodes towards the hydrogen evolution reaction. RSC Advances, 2019, 9, 25003-25011.	3.6	13
20	MoS <sub>2</sub> -graphene-CuNi <sub>2</sub> S <sub>4</sub> nanocomposite an efficient electrocatalyst for the hydrogen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 16069-16078.	7.1	21
21	Nanodiamond based surface modified screen-printed electrodes for the simultaneous voltammetric determination of dopamine and uric acid. Mikrochimica Acta, 2019, 186, 200.	5.0	46
22	Ni <sup>2+</sup> /Fe (Oxy)hydroxide Modified Graphene Additive Manufactured (3D-Printed) Electrochemical Platforms as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemElectroChem, 2019, 6, 5633-5641.	3.4	32
23	Fabrication of Graphene Oxide Supercapacitor Devices. ACS Applied Energy Materials, 2018, 1, 707-714.	5.1	138
24	Carbon Nanodots as Electrocatalysts towards the Oxygen Reduction Reaction. Electroanalysis, 2018, 30, 436-444.	2.9	26
25	An overview of recent applications of reduced graphene oxide as a basis of electroanalytical sensing platforms. Applied Materials Today, 2018, 10, 218-226.	4.3	255
26	A facile electrochemical intercalation and microwave assisted exfoliation methodology applied to screen-printed electrochemical-based sensing platforms to impart improved electroanalytical outputs. Analyst, The, 2018, 143, 3360-3365.	3.5	11
27	Magnetron Sputter-Coated Nanoparticle MoS <sub>2</sub> Supported on Nanocarbon: A Highly Efficient Electrocatalyst toward the Hydrogen Evolution Reaction. ACS Omega, 2018, 3, 7235-7242.	3.5	22
28	Mass-producible 2D-MoSe <sub>2</sub> bulk modified screen-printed electrodes provide significant electrocatalytic performances towards the hydrogen evolution reaction. Sustainable Energy and Fuels, 2017, 1, 74-83.	4.9	39
29	3D Printed Graphene Based Energy Storage Devices. Scientific Reports, 2017, 7, 42233.	3.3	345
30	Mass-Producible 2D-MoS <sub>2</sub> -Impregnated Screen-Printed Electrodes That Demonstrate Efficient Electrocatalysis toward the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 22539-22548.	8.0	47
31	Surfactant-exfoliated 2D molybdenum disulphide (2D-MoS <sub>2</sub> ): the role of surfactant upon the hydrogen evolution reaction. RSC Advances, 2017, 7, 36208-36213.	3.6	19
32	Nitrogen doped nanoporous graphene: an efficient metal-free electrocatalyst for the oxygen reduction reaction. RSC Advances, 2017, 7, 55555-55566.	3.6	15
33	2D molybdenum disulphide (2D-MoS <sub>2</sub> ) modified electrodes explored towards the oxygen reduction reaction. Nanoscale, 2016, 8, 14767-14777.	5.6	83
34	Defining the origins of electron transfer at screen-printed graphene-like and graphite electrodes: MoO <sub>3</sub> nanowire fabrication on edge plane sites reveals electrochemical insights. Nanoscale, 2016, 8, 15241-15251.	5.6	28
35	2D nanosheet molybdenum disulphide (MoS <sub>2</sub> ) modified electrodes explored towards the hydrogen evolution reaction. Nanoscale, 2015, 7, 18152-18168.	5.6	104