Edward P Randviir

List of Publications by Year
in descending order

28	2,440	430442	525886
papers	citations	18 h-index	27 g-index

32	32	32	4100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A decade of graphene research: production, applications and outlook. Materials Today, 2014, 17, 426-432.	8.3	519
2	Electrochemical impedance spectroscopy: an overview of bioanalytical applications. Analytical Methods, 2013, 5, 1098.	1.3	504
3	An overview of recent applications of reduced graphene oxide as a basis of electroanalytical sensing platforms. Applied Materials Today, 2018, 10, 218-226.	2.3	255
4	A cross examination of electron transfer rate constants for carbon screen-printed electrodes using Electrochemical Impedance Spectroscopy and cyclic voltammetry. Electrochimica Acta, 2018, 286, 179-186.	2.6	172
5	2D Hexagonal Boron Nitride (2D-hBN) Explored for the Electrochemical Sensing of Dopamine. Analytical Chemistry, 2016, 88, 9729-9737.	3.2	155
6	The fabrication, characterisation and electrochemical investigation of screen-printed graphene electrodes. Physical Chemistry Chemical Physics, 2014, 16, 4598.	1.3	143
7	The latest developments in quantifying cyanide and hydrogen cyanide. TrAC - Trends in Analytical Chemistry, 2015, 64, 75-85.	5.8	82
8	A new approach for the improved interpretation of capacitance measurements for materials utilised in energy storage. RSC Advances, 2015, 5, 12782-12791.	1.7	79
9	Electrochemical impedance spectroscopy versus cyclic voltammetry for the electroanalytical sensing of capsaicin utilising screen printed carbon nanotube electrodes. Analyst, The, 2013, 138, 2970.	1.7	71
10	Analytical methods for quantifying creatinine within biological media. Sensors and Actuators B: Chemical, 2013, 183, 239-252.	4.0	64
11	2D Hexagonal Boron Nitride (2Dâ€hBN) Explored as a Potential Electrocatalyst for the Oxygen Reduction Reaction. Electroanalysis, 2017, 29, 622-634.	1.5	50
12	The Oxygen Reduction Reaction at Graphene Modified Electrodes. Electroanalysis, 2014, 26, 76-83.	1.5	49
13	An improved electrochemical creatinine detection method via a Jaffe-based procedure. Analyst, The, 2013, 138, 6565.	1.7	45
14	Electrochemistry of Q-Graphene. Nanoscale, 2012, 4, 6470.	2.8	40
15	The latest developments in the analytical sensing of methane. TrAC - Trends in Analytical Chemistry, 2015, 73, 146-157.	5.8	37
16	Electrochemical measurement of the DNA bases adenine and guanine at surfactant-free graphene modified electrodes. RSC Advances, 2012, 2, 5800.	1.7	34
17	Screen-printed back-to-back electroanalytical sensors. Analyst, The, 2014, 139, 5339-5349.	1.7	30
18	Detection of theophylline utilising portable electrochemical sensors. Analyst, The, 2014, 139, 2000.	1.7	28

#	Article	IF	Citations
19	Electrode substrate innovation for electrochemical detection in microchip electrophoresis. Electrophoresis, 2015, 36, 1845-1853.	1.3	18
20	The preparation of hydroxyapatite from unrefined calcite residues and its application for lead removal from aqueous solutions. RSC Advances, 2019, 9, 4054-4062.	1.7	13
21	The physicochemical investigation of hydrothermally reduced textile waste and application within carbon-based electrodes. RSC Advances, 2019, 9, 11239-11252.	1.7	11
22	Twittering About Research: A Case Study of the Worldâ€™s First Twitter Poster Competition. F1000Research, 2015, 4, 798.	0.8	10
23	Detection of creatinine: technologies for point-of-care determination of glomerular filtration. Bioanalysis, 2014, 6, 109-111.	0.6	9
24	Five years of the #RSCPoster Twitter conference. Chemical Communications, 2020, 56, 13681-13688.	2.2	4
25	Twittering About Research: A Case Study of the Worldâ€™s First Twitter Poster Competition. F1000Research, 2015, 4, 798.	0.8	4
26	Graphene-Based Electrochemical Sensors. Springer Series on Chemical Sensors and Biosensors, 2018, , 141-164.	0.5	2
27	Incorporating Graphene into Fuel Cell Design. Nanoscience and Technology, 2016, , 293-312.	1.5	0
28	The application of electrochemical impedance spectroscopy to electrochemical sensor devices. SPR Electrochemistry, 0, , 186-205.	0.7	0