Christopher W Foster

List of Publications by Year
in descending order

42 papers	2,877 citations	186265 28 h-index	265206 42 g-index
42 all docs	42 docs citations	42 times ranked	4358 citing authors

#	Article	IF	Citations
1	3D Printed Graphene Based Energy Storage Devices. Scientific Reports, 2017, 7, 42233.	3.3	345
2	Grapheneâ€Rich Wrapped Petalâ€Like Rutile TiO₂ tuned by Carbon Dots for Highâ€Performance Sodium Storage. Advanced Materials, 2016, 28, 9391-9399.	21.0	262
3	Determination of the Electrochemical Area of Screen-Printed Electrochemical Sensing Platforms. Biosensors, 2018, 8, 53.	4.7	252
4	Oxygen Vacancies Evoked Blue TiO₂(B) Nanobelts with Efficiency Enhancement in Sodium Storage Behaviors. Advanced Functional Materials, 2017, 27, 1700856.	14.9	212
5	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. Analytical Chemistry, 2019, 91, 12844-12851.	6.5	176
6	Recent Advances in Electrosynthesized Molecularly Imprinted Polymer Sensing Platforms for Bioanalyte Detection. Sensors, 2019, 19, 1204.	3.8	154
7	Electrochemical lactate biosensor based upon chitosan/carbon nanotubes modified screen-printed graphite electrodes for the determination of lactate in embryonic cell cultures. Biosensors and Bioelectronics, 2016, 77, 1168-1174.	10.1	129
8	Highly sensitive amperometric sensing of nitrite utilizing bulk-modified MnO 2 decorated Graphene oxide nanocomposite screen-printed electrodes. Electrochimica Acta, 2017, 227, 255-266.	5.2	91
9	The electrochemical performance of graphene modified electrodes: An analytical perspective. Analyst, The, 2012, 137, 1815.	3.5	82
10	Additively manufactured graphitic electrochemical sensing platforms. Chemical Engineering Journal, 2020, 381, 122343.	12.7	77
11	Ultraflexible Screenâ€Printed Graphitic Electroanalytical Sensing Platforms. Electroanalysis, 2014, 26, 262-274.	2.9	69
12	Self-assembly of porous copper oxide hierarchical nanostructures for selective determinations of glucose and ascorbic acid. RSC Advances, 2016, 6, 14474-14482.	3.6	68
13	Cobalt Phthalocyanine Modified Electrodes Utilised in Electroanalysis: Nano-Structured Modified Electrodes vs. Bulk Modified Screen-Printed Electrodes. Sensors, 2014, 14, 21905-21922.	3.8	65
14	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. Analyst, The, 2016, 141, 2791-2799.	3.5	65
15	Pencil drawn paper based supercapacitors. RSC Advances, 2016, 6, 81130-81141.	3.6	54
16	Metallic modified (bismuth, antimony, tin and combinations thereof) film carbon electrodes. Analyst, The, 2015, 140, 7598-7612.	3.5	53
17	Calixarene bulk modified screen-printed electrodes (SPCCEs) as a one-shot disposable sensor for the simultaneous detection of lead(II), copper(II) and mercury(II) ions: Application to environmental samples. Sensors and Actuators A: Physical, 2017, 267, 517-525.	4.1	51
18	Pencil it in: pencil drawn electrochemical sensing platforms. Analyst, The, 2016, 141, 4055-4064.	3.5	49

#	Article	IF	Citations
19	Surfactant-exfoliated 2D hexagonal boron nitride (2D-hBN): role of surfactant upon the electrochemical reduction of oxygen and capacitance applications. Journal of Materials Chemistry A, 2017, 5, 4103-4113.	10.3	48
20	Nextâ€Generation Additive Manufacturing of Complete Standalone Sodiumâ€Ion Energy Storage Architectures. Advanced Energy Materials, 2019, 9, 1803019.	19.5	48
21	Screen-printed back-to-back electroanalytical sensors: heavy metal ion sensing. Analyst, The, 2015, 140, 4130-4136.	3.5	47
22	Exploring the electrical wiring of screen-printed configurations utilised in electroanalysis. Analytical Methods, 2015, 7, 1208-1214.	2.7	42
23	Pencil It in: Exploring the Feasibility of Hand-Drawn Pencil Electrochemical Sensors and Their Direct Comparison to Screen-Printed Electrodes. Biosensors, 2016, 6, 45.	4.7	40
24	Mass-producible 2D-MoSe₂ 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
25	Use of Screenâ€printed Electrodes Modified by Prussian Blue and Analogues in Sensing of Cysteine. Electroanalysis, 2018, 30, 170-179.	2.9	33
26	A reduced graphene oxide-cyclodextrin-platinum nanocomposite modified screen printed electrode for the detection of cysteine. Journal of Electroanalytical Chemistry, 2018, 829, 230-240.	3.8	33
27	Trace manganese detection via differential pulse cathodic stripping voltammetry using disposable electrodes: additively manufactured nanographite electrochemical sensing platforms. Analyst, The, 2020, 145, 3424-3430.	3.5	32
28	Forensic Electrochemistry: The Electroanalytical Sensing of Mephedrone Metabolites. ACS Omega, 2019, 4, 1947-1954.	3.5	30
29	l -Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. Journal of Electroanalytical Chemistry, 2016, 780, 303-310.	3.8	29
30	Surfactant exfoliated 2D hexagonal Boron Nitride (2D-hBN) explored as a potential electrochemical sensor for dopamine: surfactants significantly influence sensor capabilities. Analyst, The, 2017, 142, 1756-1764.	3.5	29
31	Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. Analytica Chimica Acta, 2016, 934, 1-8.	5.4	24
32	Boron-doped diamond electrodes explored for the electroanalytical detection of 7-methylguanine and applied for its sensing within urine samples. Electrochimica Acta, 2016, 197, 167-178.	5.2	22
33	Can solvent induced surface modifications applied to screen-printed platforms enhance their electroanalytical performance?. Analyst, The, 2016, 141, 2783-2790.	3.5	22
34	Backâ€toâ€Back Screenâ€Printed Electroanalytical Sensors: Extending the Potential Applications of the Simplistic Design. Electroanalysis, 2015, 27, 2295-2301.	2.9	20
35	Metallic Impurities in Graphene Screenâ€Printed Electrodes Can Influence Their Electrochemical Properties. Electroanalysis, 2014, 26, 2429-2433.	2.9	17
36	Highly sensitive and selective determination of dopamine using screen-printed electrodes modified with nanocomposite of Nâ€²-phenyl-p-phenylenediamine/multiwalled carbon nanotubes/nafion. Materials Research Bulletin, 2018, 101, 253-263.	5.2	16

#	Article	IF	Citations
37	Utilising copper screen-printed electrodes (CuSPE) for the electroanalytical sensing of sulfide. Analyst, The, 2016, 141, 1233-1238.	3.5	15
38	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
39	Tailoring the electrochemical properties of 2D-hBN via physical linear defects: physicochemical, computational and electrochemical characterisation. Nanoscale Advances, 2020, 2, 264-273.	4.6	11
40	The Mediatorless Electroanalytical Sensing of Sulfide Utilizing Unmodified Graphitic Electrode Materials. Journal of Carbon Research, 2016, 2, 14.	2.7	10
41	Reprint of: l-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. Journal of Electroanalytical Chemistry, 2017, 793, 77-84.	3.8	4
42	Introduction and Current Applications of Screen-Printed Electrochemical Architectures. SpringerBriefs in Applied Sciences and Technology, 2016, , 1-12.	0.4	1