

Christopher W Foster

List of Publications by Year in descending order

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42
papers

2,877
citations

186265

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265206

42
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all docs

42
docs citations

42
times ranked

4358
citing authors

#	ARTICLE	IF	CITATIONS
1	Additively manufactured graphitic electrochemical sensing platforms. <i>Chemical Engineering Journal</i> , 2020, 381, 122343.	12.7	77
2	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
3	Trace manganese detection <i>via</i> differential pulse cathodic stripping voltammetry using disposable electrodes: additively manufactured nanographite electrochemical sensing platforms. <i>Analyst</i> , The, 2020, 145, 3424-3430.	3.5	32
4	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. <i>Analytical Chemistry</i> , 2019, 91, 12844-12851.	6.5	176
5	Forensic Electrochemistry: The Electroanalytical Sensing of Mephedrone Metabolites. <i>ACS Omega</i> , 2019, 4, 1947-1954.	3.5	30
6	Recent Advances in Electrosynthesized Molecularly Imprinted Polymer Sensing Platforms for Bioanalyte Detection. <i>Sensors</i> , 2019, 19, 1204.	3.8	154
7	Next-Generation Additive Manufacturing of Complete Standalone Sodium-Ion Energy Storage Architectures. <i>Advanced Energy Materials</i> , 2019, 9, 1803019.	19.5	48
8	Highly sensitive and selective determination of dopamine using screen-printed electrodes modified with nanocomposite of N-phenyl-p-phenylenediamine/multiwalled carbon nanotubes/nafion. <i>Materials Research Bulletin</i> , 2018, 101, 253-263.	5.2	16
9	Use of Screen-Printed Electrodes Modified by Prussian Blue and Analogues in Sensing of Cysteine. <i>Electroanalysis</i> , 2018, 30, 170-179.	2.9	33
10	A reduced graphene oxide-cyclodextrin-platinum nanocomposite modified screen printed electrode for the detection of cysteine. <i>Journal of Electroanalytical Chemistry</i> , 2018, 829, 230-240.	3.8	33
11	A facile electrochemical intercalation and microwave assisted exfoliation methodology applied to screen-printed electrochemical-based sensing platforms to impart improved electroanalytical outputs. <i>Analyst</i> , The, 2018, 143, 3360-3365.	3.5	11
12	Determination of the Electrochemical Area of Screen-Printed Electrochemical Sensing Platforms. <i>Biosensors</i> , 2018, 8, 53.	4.7	252
13	Highly sensitive amperometric sensing of nitrite utilizing bulk-modified MnO ₂ decorated Graphene oxide nanocomposite screen-printed electrodes. <i>Electrochimica Acta</i> , 2017, 227, 255-266.	5.2	91
14	Surfactant-exfoliated 2D hexagonal boron nitride (2D-hBN): role of surfactant upon the electrochemical reduction of oxygen and capacitance applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4103-4113.	10.3	48
15	Mass-producible 2D-MoSe ₂ bulk modified screen-printed electrodes provide significant electrocatalytic performances towards the hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2017, 1, 74-83.	4.9	39
16	3D Printed Graphene Based Energy Storage Devices. <i>Scientific Reports</i> , 2017, 7, 42233.	3.3	345
17	Surfactant exfoliated 2D hexagonal Boron Nitride (2D-hBN) explored as a potential electrochemical sensor for dopamine: surfactants significantly influence sensor capabilities. <i>Analyst</i> , The, 2017, 142, 1756-1764.	3.5	29
18	Reprint of: L-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 793, 77-84.	3.8	4

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19	Oxygen Vacancies Evoked Blue TiO ₂ (B) Nanobelts with Efficiency Enhancement in Sodium Storage Behaviors. <i>Advanced Functional Materials</i> , 2017, 27, 1700856.	14.9	212
20	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. <i>Sensors and Actuators A: Physical</i> , 2017, 267, 517-525.	4.1	51
21	Pencil It in: Exploring the Feasibility of Hand-Drawn Pencil Electrochemical Sensors and Their Direct Comparison to Screen-Printed Electrodes. <i>Biosensors</i> , 2016, 6, 45.	4.7	40
22	The Mediatorless Electroanalytical Sensing of Sulfide Utilizing Unmodified Graphitic Electrode Materials. <i>Journal of Carbon Research</i> , 2016, 2, 14.	2.7	10
23	I-Cysteine determination in embryo cell culture media using Co (II)-phthalocyanine modified disposable screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 780, 303-310.	3.8	29
24	Graphene-Rich Wrapped Petal-Like Rutile TiO ₂ tuned by Carbon Dots for High-Performance Sodium Storage. <i>Advanced Materials</i> , 2016, 28, 9391-9399.	21.0	262
25	Pencil drawn paper based supercapacitors. <i>RSC Advances</i> , 2016, 6, 81130-81141.	3.6	54
26	Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. <i>Analytica Chimica Acta</i> , 2016, 934, 1-8.	5.4	24
27	Pencil it in: pencil drawn electrochemical sensing platforms. <i>Analyst, The</i> , 2016, 141, 4055-4064.	3.5	49
28	Self-assembly of porous copper oxide hierarchical nanostructures for selective determinations of glucose and ascorbic acid. <i>RSC Advances</i> , 2016, 6, 14474-14482.	3.6	68
29	Utilising copper screen-printed electrodes (CuSPE) for the electroanalytical sensing of sulfide. <i>Analyst, The</i> , 2016, 141, 1233-1238.	3.5	15
30	Boron-doped diamond electrodes explored for the electroanalytical detection of 7-methylguanine and applied for its sensing within urine samples. <i>Electrochimica Acta</i> , 2016, 197, 167-178.	5.2	22
31	Can solvent induced surface modifications applied to screen-printed platforms enhance their electroanalytical performance?. <i>Analyst, The</i> , 2016, 141, 2783-2790.	3.5	22
32	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. <i>Analyst, The</i> , 2016, 141, 2791-2799.	3.5	65
33	Electrochemical lactate biosensor based upon chitosan/carbon nanotubes modified screen-printed graphite electrodes for the determination of lactate in embryonic cell cultures. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1168-1174.	10.1	129
34	Introduction and Current Applications of Screen-Printed Electrochemical Architectures. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016, , 1-12.	0.4	1
35	Back-to-Back Screen-Printed Electroanalytical Sensors: Extending the Potential Applications of the Simplistic Design. <i>Electroanalysis</i> , 2015, 27, 2295-2301.	2.9	20
36	Exploring the electrical wiring of screen-printed configurations utilised in electroanalysis. <i>Analytical Methods</i> , 2015, 7, 1208-1214.	2.7	42

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37	Screen-printed back-to-back electroanalytical sensors: heavy metal ion sensing. <i>Analyst</i> , The, 2015, 140, 4130-4136.	3.5	47
38	Metallic modified (bismuth, antimony, tin and combinations thereof) film carbon electrodes. <i>Analyst</i> , The, 2015, 140, 7598-7612.	3.5	53
39	Metallic Impurities in Graphene Screen-Printed Electrodes Can Influence Their Electrochemical Properties. <i>Electroanalysis</i> , 2014, 26, 2429-2433.	2.9	17
40	Cobalt Phthalocyanine Modified Electrodes Utilised in Electroanalysis: Nano-Structured Modified Electrodes vs. Bulk Modified Screen-Printed Electrodes. <i>Sensors</i> , 2014, 14, 21905-21922.	3.8	65
41	Ultraflexible Screen-Printed Graphitic Electroanalytical Sensing Platforms. <i>Electroanalysis</i> , 2014, 26, 262-274.	2.9	69
42	The electrochemical performance of graphene modified electrodes: An analytical perspective. <i>Analyst</i> , The, 2012, 137, 1815.	3.5	82