List of Publications by Year in descending order

197 papers	20,597 citations	13827 67 h-index	10424 139 g-index
203 all docs	203 docs citations	203 times ranked	19602 citing authors

#	Article	IF	Citations
1	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodiumâ€ion Batteries with Ultralong Cycle Life. Advanced Materials, 2015, 27, 7861-7866.	11.1	1,055
2	Metal Nanoparticles and Related Materials Supported on Carbon Nanotubes: Methods and Applications. Small, 2006, 2, 182-193.	5.2	972
3	Electrocatalysis at graphite and carbon nanotube modified electrodes: edge-plane sites and tube ends are the reactive sites. Chemical Communications, 2005, , 829.	2.2	922
4	An overview of graphene in energy production and storage applications. Journal of Power Sources, 2011, 196, 4873-4885.	4.0	819
5	Carbon Nanotubes Contain Metal Impurities Which Are Responsible for the â€œElectrocatalysisâ€•Seen at Some Nanotube-Modified Electrodes. Angewandte Chemie - International Edition, 2006, 45, 2533-2537.	7.2	581
6	Graphene electrochemistry: fundamental concepts through to prominent applications. Chemical Society Reviews, 2012, 41, 6944.	18.7	540
7	New electrodes for old: from carbon nanotubes to edge plane pyrolytic graphite. Analyst, The, 2006, 131, 15-21.	1.7	532
8	A decade of graphene research: production, applications and outlook. Materials Today, 2014, 17, 426-432.	8.3	519
9	Electrochemical impedance spectroscopy: an overview of bioanalytical applications. Analytical Methods, 2013, 5, 1098.	1.3	504
10	Basal Plane Pyrolytic Graphite Modified Electrodes:Â Comparison of Carbon Nanotubes and Graphite Powder as Electrocatalysts. Analytical Chemistry, 2004, 76, 2677-2682.	3.2	481
11	Graphene electrochemistry: an overview of potential applications. Analyst, The, 2010, 135, 2768.	1.7	481
12	Microbial fuel cells: An overview of current technology. Renewable and Sustainable Energy Reviews, 2019, 101, 60-81.	8.2	473
13	New directions in screen printed electroanalytical sensors: an overview of recent developments. Analyst, The, 2011, 136, 1067.	1.7	407
14	Investigation of modified basal plane pyrolytic graphite electrodes: definitive evidence for the electrocatalytic properties of the ends of carbon nanotubesElectronic supplementary information (ESI) available: the use of CNT-modified electrodes in electrochemistry, and SEM images of MWNTs before immobilisation and after modification of a basal plane pyrolytic graphite electrode. See http://www.rsc.org/suppdata/cc/b4/b406174h/. Chemical Communications, 2004, , 1804.	2.2	396
15	Exploring the electrocatalytic sites of carbon nanotubes for NADH detection: an edge plane pyrolytic graphite electrode study. Analyst, The, 2005, 130, 1232.	1.7	390
16	Iron Oxide Particles Are the Active Sites for Hydrogen Peroxide Sensing at Multiwalled Carbon Nanotube Modified Electrodes. Nano Letters, 2006, 6, 1556-1558.	4.5	373
17	3D Printed Graphene Based Energy Storage Devices. Scientific Reports, 2017, 7, 42233.	1.6	345
18	Chemically Modified Carbon Nanotubes for Use in Electroanalysis. Mikrochimica Acta, 2006, 152, 187-214.	2.5	336

#	Article	IF	Citations
19	Grapheneâ€Rich Wrapped Petalâ€Like Rutile TiO₂ tuned by Carbon Dots for Highâ€Performance Sodium Storage. Advanced Materials, 2016, 28, 9391-9399.	11.1	262
20	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
21	Determination of the Electrochemical Area of Screen-Printed Electrochemical Sensing Platforms. Biosensors, 2018, 8, 53.	2.3	252
22	The electroanalytical detection of hydrazine: A comparison of the use of palladium nanoparticles supported on boron-doped diamond and palladium plated BDD microdisc array. Analyst, The, 2006, 131, 106-110.	1.7	236
23	Advanced Hierarchical Vesicular Carbon Coâ€Doped with S, P, N for Highâ€Rate Sodium Storage. Advanced Science, 2018, 5, 1800241.	5.6	225
24	Electrochemistry of graphene: not such a beneficial electrode material?. RSC Advances, 2011, 1, 978.	1.7	217
25	Carbon dots supported upon N-doped TiO₂ nanorods applied into sodium and lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 5648-5655.	5.2	215
26	Oxygenated Edge Plane Sites Slow the Electron Transfer of the Ferro-/Ferricyanide Redox Couple at Graphite Electrodes. ChemPhysChem, 2006, 7, 1337-1344.	1.0	214
27	The development of carbon dots: From the perspective of materials chemistry. Materials Today, 2021, 51, 188-207.	8.3	213
28	Voltammetry at spatially heterogeneous electrodes. Journal of Solid State Electrochemistry, 2005, 9, 797-808.	1.2	203
29	The cyclic voltammetric response of electrochemically heterogeneous surfaces. Journal of Electroanalytical Chemistry, 2004, 574, 123-152.	1.9	178
30	Characterisation of commercially available electrochemical sensing platforms. Sensors and Actuators B: Chemical, 2009, 138, 556-562.	4.0	177
31	Electrochemical properties of CVD grown pristine graphene: monolayer- vs. quasi-graphene. Nanoscale, 2014, 6, 1607-1621.	2.8	177
32	2D Hexagonal Boron Nitride (2D-hBN) Explored for the Electrochemical Sensing of Dopamine. Analytical Chemistry, 2016, 88, 9729-9737.	3.2	155
33	The Handbook of Graphene Electrochemistry. , 2014, , .		151
34	The electrochemistry of CVD graphene: progress and prospects. Physical Chemistry Chemical Physics, 2012, 14, 8264.	1.3	148
35	Electrocatalytic detection of thiols using an edge plane pyrolytic graphite electrode. Analyst, The, 2004, 129, 755.	1.7	147
36	The fabrication, characterisation and electrochemical investigation of screen-printed graphene electrodes. Physical Chemistry Chemical Physics, 2014, 16, 4598.	1.3	143

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37	Abrasive immobilization of carbon nanotubes on a basal plane pyrolytic graphite electrode: application to the detection of epinephrine. Analyst, The, 2004, 129, 225.	1.7	141
38	Edge Plane Pyrolytic Graphite Electrodes in Electroanalysis: An Overview. Analytical Sciences, 2005, 21, 1263-1268.	0.8	140
39	Simultaneous Voltammetric Determination of Acetaminophen and Isoniazid (Hepatotoxicity-Related) Tj ETQq1 1 0.784314 rgBT /Ove Analytical Chemistry, 2017, 89, 2170-2178.	3.2	130
40	Exploring the physicoelectrochemical properties of graphene. Chemical Communications, 2010, 46, 8986.	2.2	127
41	Imparting improvements in electrochemical sensors: evaluation of different carbon blacks that give rise to significant improvement in the performance of electroanalytical sensing platforms. Electrochimica Acta, 2015, 157, 125-133.	2.6	120
42	Electroanalytical Determination of Cadmium(II) and Lead(II) Using an in-situ Bismuth Film Modified Edge Plane Pyrolytic Graphite Electrode. Analytical Sciences, 2007, 23, 283-289.	0.8	105
43	2D nanosheet molybdenum disulphide (MoS₂) modified electrodes explored towards the hydrogen evolution reaction. Nanoscale, 2015, 7, 18152-18168.	2.8	104
44	Electroanalytical sensing of chromium(iii) and (vi) utilising gold screen printed macro electrodes. Analyst, The, 2012, 137, 896.	1.7	101
45	Recent advances in portable heavy metal electrochemical sensing platforms. Environmental Science: Water Research and Technology, 2020, 6, 2676-2690.	1.2	99
46	Graphite screen printed electrodes for the electrochemical sensing of chromium(vi). Analyst, The, 2010, 135, 1947.	1.7	97
47	Single walled carbon nanotubes contain residual iron oxide impurities which can dominate their electrochemical activity. Electrochemistry Communications, 2007, 9, 2330-2333.	2.3	93
48	Molecularly imprinted polymer based electrochemical biosensors: Overcoming the challenges of detecting vital biomarkers and speeding up diagnosis. Talanta Open, 2020, 2, 100018.	1.7	92
49	Use of High-Purity Metal-Catalyst-Free Multiwalled Carbon Nanotubes To Avoid Potential Experimental Misinterpretations. Langmuir, 2007, 23, 9501-9504.	1.6	91
50	Fabricating graphene supercapacitors: highlighting the impact of surfactants and moieties. Chemical Communications, 2012, 48, 1425-1427.	2.2	88
51	Freestanding three-dimensional graphene foam gives rise to beneficial electrochemical signatures within non-aqueous media. Journal of Materials Chemistry A, 2013, 1, 5962.	5.2	88
52	Graphene Electrochemistry: Surfactants Inherent to Graphene Can Dramatically Effect Electrochemical Processes. Electroanalysis, 2011, 23, 894-899.	1.5	85
53	Paper-based electroanalytical sensing platforms. Analytical Methods, 2013, 5, 103-110.	1.3	85
54	2D molybdenum disulphide (2D-MoS₂) modified electrodes explored towards the oxygen reduction reaction. Nanoscale, 2016, 8, 14767-14777.	2.8	83

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55	The electrochemical performance of graphene modified electrodes: An analytical perspective. Analyst, The, 2012, 137, 1815.	1.7	82
56	The latest developments in quantifying cyanide and hydrogen cyanide. TrAC - Trends in Analytical Chemistry, 2015, 64, 75-85.	5.8	82
57	Facile synthetic fabrication of iron oxide particles and novel hydrogen superoxide supercapacitors. RSC Advances, 2012, 2, 6672.	1.7	81
58	Super-washing does not leave single walled carbon nanotubes iron-free. Analyst, The, 2007, 132, 21-23.	1.7	79
59	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
60	Square-wave voltammetric determination of paraquat using a glassy carbon electrode modified with multiwalled carbon nanotubes within a dihexadecylhydrogenphosphate (DHP) film. Sensors and Actuators B: Chemical, 2013, 181, 306-311.	4.0	78
61	Quantifying the electron transfer sites of graphene. Electrochemistry Communications, 2011, 13, 8-11.	2.3	76
62	Forensic Electrochemistry Applied to the Sensing of New Psychoactive Substances: Electroanalytical Sensing of Synthetic Cathinones and Analytical Validation in the Quantification of Seized Street Samples. Analytical Chemistry, 2014, 86, 9985-9992.	3.2	76
63	Mercury-free sono-electroanalytical detection of lead in human blood by use of bismuth-film-modified boron-doped diamond electrodes. Analytical and Bioanalytical Chemistry, 2004, 379, 700-6.	1.9	73
64	Graphene electrochemistry: Surfactants inherent to graphene inhibit metal analysis. Electrochemistry Communications, 2011, 13, 111-113.	2.3	73
65	Forensic electrochemistry: the electroanalytical sensing of RohypnolÂ® (flunitrazepam) using screen-printed graphite electrodes without recourse for electrode or sample pre-treatment. Analyst, The, 2013, 138, 6185.	1.7	71
66	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
67	Forensic electrochemistry: the electroanalytical sensing of synthetic cathinone-derivatives and their accompanying adulterants in â€œlegal highâ€•products. Analyst, The, 2014, 139, 389-400.	1.7	71
68	Ultraflexible Screenâ€Printed Graphitic Electroanalytical Sensing Platforms. Electroanalysis, 2014, 26, 262-274.	1.5	69
69	Electrochemically polymerised composites of multi-walled carbon nanotubes and poly(vinylferrocene) and their use as modified electrodes: Application to glucose sensing. Analyst, The, 2006, 131, 670-677.	1.7	67
70	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. Analyst, The, 2016, 141, 2791-2799.	1.7	65
71	Analytical methods for quantifying creatinine within biological media. Sensors and Actuators B: Chemical, 2013, 183, 239-252.	4.0	64
72	Voltammetric Exploration and Applications of Ultrasonic Cavitation. ChemPhysChem, 2003, 4, 169-178.	1.0	60

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73	Characterization and fabrication of disposable screen printed microelectrodes. Electrochemistry Communications, 2009, 11, 1377-1380.	2.3	59
74	Simultaneous determination of codeine and its co-formulated drugs acetaminophen and caffeine by utilising cerium oxide nanoparticles modified screen-printed electrodes. Sensors and Actuators B: Chemical, 2018, 259, 142-154.	4.0	59
75	Next generation screen printed electrochemical platforms: Non-enzymatic sensing of carbohydrates using copper(ii) oxide screen printed electrodes. Analytical Methods, 2009, 1, 183.	1.3	57
76	Graphene electrochemistry: Fabricating amperometric biosensors. Analyst, The, 2011, 136, 2084.	1.7	57
77	Graphene ultracapacitors: structural impacts. Physical Chemistry Chemical Physics, 2013, 15, 4799.	1.3	57
78	In situ electrochemical characterisation of graphene and various carbon-based electrode materials: an internal standard approach. RSC Advances, 2015, 5, 37281-37286.	1.7	57
79	Edge Plane Sites on Highly Ordered Pyrolytic Graphite as Templates for Making Palladium Nanowires via Electrochemical Decoration. Journal of Physical Chemistry B, 2006, 110, 22306-22309.	1.2	56
80	Graphene oxide electrochemistry: the electrochemistry of graphene oxide modified electrodes reveals coverage dependent beneficial electrocatalysis. Royal Society Open Science, 2017, 4, 171128.	1.1	55
81	Sonoelectroanalysis: investigation of bismuth-film-modified glassy carbon electrodes. Analytical and Bioanalytical Chemistry, 2004, 379, 277-282.	1.9	54
82	CVD graphene electrochemistry: biologically relevant molecules. Physical Chemistry Chemical Physics, 2011, 13, 20284.	1.3	53
83	CVD graphene electrochemistry: the role of graphitic islands. Physical Chemistry Chemical Physics, 2011, 13, 15825.	1.3	53
84	Inexpensive and disposable copper mini-sensor modified with bismuth for lead and cadmium determination using square-wave anodic stripping voltammetry. Analytical Methods, 2013, 5, 202-207.	1.3	51
85	Forensic electrochemistry: simultaneous voltammetric detection of MDMA and its fatal counterpart â€œDr Deathâ€•(PMA). Analytical Methods, 2016, 8, 142-152.	1.3	51
86	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.	2.0	51
87	Disposable highly ordered pyrolytic graphite-like electrodes: Tailoring the electrochemical reactivity of screen printed electrodes. Electrochemistry Communications, 2010, 12, 6-9.	2.3	50
88	Schiff base modified screen printed electrode for selective determination of aluminium(III) at trace level. Sensors and Actuators B: Chemical, 2017, 239, 17-27.	4.0	50
89	2D Hexagonal Boron Nitride (2Dâ€hBN) Explored as a Potential Electrocatalyst for the Oxygen Reduction Reaction. Electroanalysis, 2017, 29, 622-634.	1.5	50
90	The fabrication of novel screen printed single-walled carbon nanotube electrodes: Electroanalytical applications. Sensors and Actuators B: Chemical, 2013, 177, 1043-1052.	4.0	49

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91	The Oxygen Reduction Reaction at Graphene Modified Electrodes. Electroanalysis, 2014, 26, 76-83.	1.5	49
92	Pencil it in: pencil drawn electrochemical sensing platforms. Analyst, The, 2016, 141, 4055-4064.	1.7	49
93	Printable thin film supercapacitors utilizing single crystal cobalt hydroxidenanosheets. RSC Advances, 2012, 2, 1508-1515.	1.7	48
94	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.	5.2	48
95	Nextâ€Generation Additive Manufacturing of Complete Standalone Sodiumâ€Ion Energy Storage Architectures. Advanced Energy Materials, 2019, 9, 1803019.	10.2	48
96	Room temperature ionic liquid assisted well-dispersed core-shell tin nanoparticles through cathodic corrosion. RSC Advances, 2013, 3, 18791.	1.7	47
97	Screen-printed back-to-back electroanalytical sensors: heavy metal ion sensing. Analyst, The, 2015, 140, 4130-4136.	1.7	47
98	Forensic electrochemistry: sensing the molecule of murder atropine. Analyst, The, 2013, 138, 1053.	1.7	46
99	Nanodiamond based surface modified screen-printed electrodes for the simultaneous voltammetric determination of dopamine and uric acid. Mikrochimica Acta, 2019, 186, 200.	2.5	46
100	In situ bismuth film modified screen printed electrodes for the bio-monitoring of cadmium in oral (saliva) fluid. Analytical Methods, 2010, 2, 645.	1.3	45
101	Electroanalytical sensing of nitrite at shallow recessed screen printed microelectrode arrays. Analytical Methods, 2010, 2, 851.	1.3	45
102	Graphene oxide gives rise to unique and intriguing voltammetry. RSC Advances, 2012, 2, 665-668.	1.7	44
103	Electroanalytical properties of screen printed graphite microband electrodes. Sensors and Actuators B: Chemical, 2012, 169, 136-143.	4.0	44
104	Novel electrochemical synthesis of copper oxide nanoparticles decorated graphene-Î²-cyclodextrin composite for trace-level detection of antibiotic drug metronidazole. Journal of Colloid and Interface Science, 2018, 530, 37-45.	5.0	43
105	Ultrasound: promoting electroanalysis in difficult real world media. Analyst, The, 2004, 129, 678.	1.7	42
106	Electroanalytical sensing of selenium(iv) utilising screen printed graphite macro electrodes. Analytical Methods, 2013, 5, 851.	1.3	42
107	Exploring the electrical wiring of screen-printed configurations utilised in electroanalysis. Analytical Methods, 2015, 7, 1208-1214.	1.3	42
108	Electrochemistry of Q-Graphene. Nanoscale, 2012, 4, 6470.	2.8	40

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109	Pencil It in: Exploring the Feasibility of Hand-Drawn Pencil Electrochemical Sensors and Their Direct Comparison to Screen-Printed Electrodes. Biosensors, 2016, 6, 45.	2.3	40
110	An Overview of Recent Electroanalytical Applications Utilizing Screenâ€Printed Electrodes Within Flow Systems. ChemElectroChem, 2020, 7, 2211-2221.	1.7	39
111	Screen printed recessed microelectrode arrays. Sensors and Actuators B: Chemical, 2009, 142, 342-346.	4.0	38
112	Electroanalytical applications of screen printed microelectrode arrays. Sensors and Actuators B: Chemical, 2013, 181, 454-462.	4.0	38
113	Electroanalytical detection of pindolol: comparison of unmodified and reduced graphene oxide modified screen-printed graphite electrodes. Analyst, The, 2015, 140, 1543-1550.	1.7	38
114	Platinum screen printed electrodes for the electroanalytical sensing of hydrazine and hydrogen peroxide. Analytical Methods, 2012, 4, 1272.	1.3	37
115	The latest developments in the analytical sensing of methane. TrAC - Trends in Analytical Chemistry, 2015, 73, 146-157.	5.8	37
116	Electroanalytical sensing of the antimicrobial drug linezolid utilising an electrochemical sensing platform based upon a multiwalled carbon nanotubes/bromocresol green modified carbon paste electrode. Analytical Methods, 2016, 8, 4345-4353.	1.3	36
117	Investigating the Integrity of Graphene towards the Electrochemical Hydrogen Evolution Reaction (HER). Scientific Reports, 2019, 9, 15961.	1.6	36
118	Exploring the electrochemical performance of graphite and graphene paste electrodes composed of varying lateral flake sizes. Physical Chemistry Chemical Physics, 2018, 20, 20010-20022.	1.3	35
119	Electrochemical measurement of the DNA bases adenine and guanine at surfactant-free graphene modified electrodes. RSC Advances, 2012, 2, 5800.	1.7	34
120	The mechanistic exploration of porous activated graphene sheets-anchored SnO2 nanocrystals for application in high-performance Li-ion battery anodes. Physical Chemistry Chemical Physics, 2013, 15, 15098.	1.3	34
121	Enhanced reversible redox activity of hemin on cellulose microfiber integrated reduced graphene oxide for H2O2 biosensor applications. Carbohydrate Polymers, 2019, 204, 152-160.	5.1	34
122	Gas sensing using edge-plane pyrolytic-graphite electrodes: electrochemical reduction of chlorine. Analytical and Bioanalytical Chemistry, 2005, 382, 1169-1174.	1.9	33
123	CVDgraphenevs. highly ordered pyrolytic graphite for use in electroanalytical sensing. Analyst, The, 2012, 137, 833-839.	1.7	33
124	Voltammetric behaviour of free DNA bases, methylcytosine and oligonucleotides at disposable screen printed graphite electrode platforms. Analyst, The, 2013, 138, 5239.	1.7	33
125	Exploring the electrochemical performance of graphitic paste electrodes: graphene vs. graphite. Analyst, The, 2013, 138, 6354.	1.7	33
126	Regal electrochemistry: sensing of the synthetic cathinone class of new psychoactive substances (NPSs). Analytical Methods, 2015, 7, 6470-6474.	1.3	33

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127	Use of Screenâ€printed Electrodes Modified by Prussian Blue and Analogues in Sensing of Cysteine. Electroanalysis, 2018, 30, 170-179.	1.5	33
128	A reduced graphene oxide-cyclodextrin-platinum nanocomposite modified screen printed electrode for the detection of cysteine. Journal of Electroanalytical Chemistry, 2018, 829, 230-240.	1.9	33
129	Introducing Thermal Wave Transport Analysis (TWTA): A Thermal Technique for Dopamine Detection by Screen-Printed Electrodes Functionalized with Molecularly Imprinted Polymer (MIP) Particles. Molecules, 2016, 21, 552.	1.7	32
130	Niâ^'Fe (Oxy)hydroxide Modified Graphene Additive Manufactured (3Dâ€Printed) Electrochemical Platforms as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ChemElectroChem, 2019, 6, 5633-5641.	1.7	32
131	Exploring the origins of the apparent â€œelectrocatalyticâ€•oxidation of kojic acid at graphene modified electrodes. Analyst, The, 2013, 138, 4436-4442.	1.7	31
132	Screen-printed electrode-based electrochemical detector coupled with in-situ ionic-liquid-assisted dispersive liquidâ€“liquid microextraction for determination of 2,4,6-trinitrotoluene. Analytical and Bioanalytical Chemistry, 2014, 406, 2197-2204.	1.9	31
133	Toward the Rapid Diagnosis of Sepsis: Detecting Interleukin-6 in Blood Plasma Using Functionalized Screen-Printed Electrodes with a Thermal Detection Methodology. Analytical Chemistry, 2021, 93, 5931-5938.	3.2	31
134	A facile approach for quantifying the density of defects (edge plane sites) of carbon nanomaterials and related structures. Physical Chemistry Chemical Physics, 2011, 13, 1210-1213.	1.3	30
135	Screen-printed back-to-back electroanalytical sensors. Analyst, The, 2014, 139, 5339-5349.	1.7	30
136	Electrochemical Improvements Can Be Realized via Shortening the Length of Screen-Printed Electrochemical Platforms. Analytical Chemistry, 2021, 93, 16481-16488.	3.2	29
137	Defining the origins of electron transfer at screen-printed graphene-like and graphite electrodes: MoO₂ nanowire fabrication on edge plane sites reveals electrochemical insights. Nanoscale, 2016, 8, 15241-15251.	2.8	28
138	Electroanalytical overview: utilising micro- and nano-dimensional sized materials in electrochemical-based biosensing platforms. Mikrochimica Acta, 2021, 188, 268.	2.5	28
139	Metallic impurity free carbon nanotube paste electrodes. Electrochemistry Communications, 2010, 12, 144-147.	2.3	27
140	Nickel oxide screen printed electrodes for the sensing of hydroxide ions in aqueous solutions. Analytical Methods, 2010, 2, 1152.	1.3	27
141	Screen printed graphite electrochemical sensors for the voltammetric determination of antimony(iii). Analytical Methods, 2013, 5, 3490.	1.3	27
142	Fabrication of co-planar screen printed microband electrodes. Analyst, The, 2013, 138, 2516.	1.7	27
143	Forensic electrochemistry: indirect electrochemical sensing of the components of the new psychoactive substance â€œSynthacaineâ€• Analyst, The, 2015, 140, 5536-5545.	1.7	27
144	Graphene Quantum Dots Modified Screenâ€printed Electrodes as Electroanalytical Sensing Platform for Diethylstilbestrol. Electroanalysis, 2019, 31, 838-843.	1.5	27

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145	Graphite impurities cause the observed â€˜electrocatalysisâ€™ seen at C60 modified glassy carbon electrodes in respect of the oxidation of l-cysteine. Analytica Chimica Acta, 2006, 566, 1-4.	2.6	26
146	Screen-printed palladium electroanalytical sensors. Journal of Solid State Electrochemistry, 2013, 17, 1553-1562.	1.2	26
147	Electroanalytical Performance of a Freestanding Threeâ€Dimensional Graphene Foam Electrode. Electroanalysis, 2014, 26, 93-102.	1.5	26
148	Organic-resistant screen-printed graphitic electrodes: Application to on-site monitoring of liquid fuels. Analytica Chimica Acta, 2016, 934, 1-8.	2.6	24
149	Hydrodynamic Electrochemistry:â€‰ Design for a High-Speed Rotating Disk Electrode. Analytical Chemistry, 2005, 77, 1928-1930.	3.2	22
150	Limitations of CVD graphene when utilised towards the sensing of heavy metals. RSC Advances, 2012, 2, 5385.	1.7	21
151	A systematic study of the electrochemical determination of hydrogen peroxide at single-walled carbon nanotube ensemble networks. Electrochemistry Communications, 2008, 10, 1872-1875.	2.3	20
152	Electrochemical utilisation of chemical vapour deposition grown carbon nanotubes as sensors. Vacuum, 2012, 86, 507-519.	1.6	20
153	Backâ€toâ€Back Screenâ€Printed Electroanalytical Sensors: Extending the Potential Applications of the Simplistic Design. Electroanalysis, 2015, 27, 2295-2301.	1.5	20
154	Detection and quantification of new psychoactive substances (NPSs) within the evolved â€œlegal highâ€• product, NRG-2, using high performance liquid chromatography-amperometric detection (HPLC-AD). Analyst, The, 2015, 140, 6283-6294.	1.7	20
155	Electroanalytical overview: screen-printed electrochemical sensing platforms for the detection of vital cardiac, cancer and inflammatory biomarkers. Sensors & Diagnostics, 2022, 1, 405-428.	1.9	20
156	High temperature low vacuum synthesis of a freestanding three-dimensional graphene nano-ribbon foam electrode. Journal of Materials Chemistry A, 2016, 4, 2617-2629.	5.2	19
157	Disposable non-enzymatic electrochemical glucose sensors based on screen-printed graphite macroelectrodes modified via a facile methodology with Ni, Cu, and Ni/Cu hydroxides are shown to accurately determine glucose in real human serum blood samples. Analytical Methods, 2021, 13, 2812-2822.	1.3	19
158	Electrochemically triggered graphene sheets through cathodic exfoliation for lithium ion batteries anodes. RSC Advances, 2013, 3, 16130.	1.7	18
159	Green electrochemical sensing platforms: utilizing hydroxyapatite derived from natural fish scales as a novel electrochemical material for the sensitive detection of kidney injury molecule 1 (KIM-1). Analyst, The, 2014, 139, 5362-5366.	1.7	18
160	Exploration of gas sensing possibilities with edge plane pyrolytic graphite electrodes: nitrogen dioxide detection. Analyst, The, 2005, 130, 280.	1.7	17
161	Metallic Impurities in Graphene Screenâ€Printed Electrodes Can Influence Their Electrochemical Properties. Electroanalysis, 2014, 26, 2429-2433.	1.5	17
162	The underlying electrode causes the reported â€˜electro-catalysisâ€™ observed at C60-modified glassy carbon electrodes in the case of N-(4-hydroxyphenyl)ethanamide and salbutamol. Electrochimica Acta, 2008, 53, 5885-5890.	2.6	16

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163	Screen printed electrodes provide micro-domain sites for fabricating disposable electro-catalytic ensembles. Electrochemistry Communications, 2010, 12, 406-409.	2.3	16
164	Electroanalytical properties of screen printed shallow recessed electrodes. Analytical Methods, 2012, 4, 3140.	1.3	16
165	Ultra Flexible Paper Based Electrochemical Sensors: Effect of Mechanical Contortion upon Electrochemical Performance. Electroanalysis, 2013, 25, 2275-2282.	1.5	16
166	Antimicrobial activity of Ti-ZrN/Ag coatings for use in biomaterial applications. Scientific Reports, 2018, 8, 1497.	1.6	16
167	Exploring the electrochemical behavior of screen printed graphite electrodes in a room temperature ionic liquid. RSC Advances, 2012, 2, 7735.	1.7	15
168	Utilising copper screen-printed electrodes (CuSPE) for the electroanalytical sensing of sulfide. Analyst, The, 2016, 141, 1233-1238.	1.7	15
169	Screen-Printed Graphite Electrodes as Low-Cost Devices for Oxygen Gas Detection in Room-Temperature Ionic Liquids. Sensors, 2017, 17, 2734.	2.1	15
170	Approaches to the Rational Design of Molecularly Imprinted Polymers Developed for the Selective Extraction or Detection of Antibiotics in Environmental and Food Samples. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100021.	0.8	15
171	Additive manufactured graphene-based electrodes exhibit beneficial performances in Pseudomonas aeruginosa microbial fuel cells. Journal of Power Sources, 2021, 499, 229938.	4.0	15
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