

Craig Banks

List of Publications by Year in descending order

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548
papers

34,625
citations

4955

84
h-index

6294

158
g-index

572
all docs

572
docs citations

572
times ranked

28996
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Quantum Dots and Their Derivative 3D Porous Carbon Frameworks for Sodium-Ion Batteries with Ultralong Cycle Life. <i>Advanced Materials</i> , 2015, 27, 7861-7866.	11.1	1,055
2	Metal Nanoparticles and Related Materials Supported on Carbon Nanotubes: Methods and Applications. <i>Small</i> , 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. <i>Chemical Communications</i> , 2005, , 829.	2.2	922
4	An overview of graphene in energy production and storage applications. <i>Journal of Power Sources</i> , 2011, 196, 4873-4885.	4.0	819
5	Carbon Nanotubes Contain Metal Impurities Which Are Responsible for the "Electrocatalysis" Seen at Some Nanotube-Modified Electrodes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2533-2537.	7.2	581
6	Graphene electrochemistry: fundamental concepts through to prominent applications. <i>Chemical Society Reviews</i> , 2012, 41, 6944.	18.7	540
7	New electrodes for old: from carbon nanotubes to edge plane pyrolytic graphite. <i>Analyst, The</i> , 2006, 131, 15-21.	1.7	532
8	A decade of graphene research: production, applications and outlook. <i>Materials Today</i> , 2014, 17, 426-432.	8.3	519
9	Electrochemical impedance spectroscopy: an overview of bioanalytical applications. <i>Analytical Methods</i> , 2013, 5, 1098.	1.3	504
10	Basal Plane Pyrolytic Graphite Modified Electrodes: A Comparison of Carbon Nanotubes and Graphite Powder as Electrocatalysts. <i>Analytical Chemistry</i> , 2004, 76, 2677-2682.	3.2	481
11	Graphene electrochemistry: an overview of potential applications. <i>Analyst, The</i> , 2010, 135, 2768.	1.7	481
12	Microbial fuel cells: An overview of current technology. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 60-81.	8.2	473
13	New directions in screen printed electroanalytical sensors: an overview of recent developments. <i>Analyst, The</i> , 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 nanotubes Electronic 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/ . <i>Chemical Communications</i> , 2004, , 1804.	2.2	396
15	Exploring the electrocatalytic sites of carbon nanotubes for NADH detection: an edge plane pyrolytic graphite electrode study. <i>Analyst, The</i> , 2005, 130, 1232.	1.7	390
16	Silver nanoparticle assemblies supported on glassy-carbon electrodes for the electro-analytical detection of hydrogen peroxide. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 12-21.	1.9	377
17	Iron Oxide Particles Are the Active Sites for Hydrogen Peroxide Sensing at Multiwalled Carbon Nanotube Modified Electrodes. <i>Nano Letters</i> , 2006, 6, 1556-1558.	4.5	373
18	3D Printed Graphene Based Energy Storage Devices. <i>Scientific Reports</i> , 2017, 7, 42233.	1.6	345

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19	Chemically Modified Carbon Nanotubes for Use in Electroanalysis. <i>Mikrochimica Acta</i> , 2006, 152, 187-214.	2.5	336
20	A carbon quantum dot decorated RuO ₂ network: outstanding supercapacitances under ultrafast charge and discharge. <i>Energy and Environmental Science</i> , 2013, 6, 3665.	15.6	293
21	Electrochemical capacitors utilising transition metal oxides: an update of recent developments. <i>RSC Advances</i> , 2011, 1, 1171.	1.7	278
22	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.	11.1	262
23	An overview of recent applications of reduced graphene oxide as a basis of electroanalytical sensing platforms. <i>Applied Materials Today</i> , 2018, 10, 218-226.	2.3	255
24	Determination of the Electrochemical Area of Screen-Printed Electrochemical Sensing Platforms. <i>Biosensors</i> , 2018, 8, 53.	2.3	252
25	The electroanalytical detection of hydrazine: A comparison of the use of palladium nanoparticles supported on boron-doped diamond and palladium plated BDD microdisc array. <i>Analyst</i> , 2006, 131, 106-110.	1.7	236
26	Spinel NiCo ₂ O ₄ for use as a high-performance supercapacitor electrode material: Understanding of its electrochemical properties. <i>Journal of Power Sources</i> , 2014, 267, 888-900.	4.0	228
27	Advanced Hierarchical Vesicular Carbon Co-Doped with S, P, N for High-Rate Sodium Storage. <i>Advanced Science</i> , 2018, 5, 1800241.	5.6	225
28	First exploration of Na-ion migration pathways in the NASICON structure Na ₃ V ₂ (PO ₄) ₃ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 5358.	5.2	222
29	Electrochemistry of graphene: not such a beneficial electrode material?. <i>RSC Advances</i> , 2011, 1, 978.	1.7	217
30	Carbon dots supported upon N-doped TiO ₂ nanorods applied into sodium and lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5648-5655.	5.2	215
31	Oxygenated Edge Plane Sites Slow the Electron Transfer of the Ferro-/Ferricyanide Redox Couple at Graphite Electrodes. <i>ChemPhysChem</i> , 2006, 7, 1337-1344.	1.0	214
32	The development of carbon dots: From the perspective of materials chemistry. <i>Materials Today</i> , 2021, 51, 188-207.	8.3	213
33	Oxygen Vacancies Evoked Blue TiO ₂ (B) Nanobelts with Efficiency Enhancement in Sodium Storage Behaviors. <i>Advanced Functional Materials</i> , 2017, 27, 1700856.	7.8	212
34	Voltammetry at spatially heterogeneous electrodes. <i>Journal of Solid State Electrochemistry</i> , 2005, 9, 797-808.	1.2	203
35	Binding MoSe ₂ with carbon constrained in carbonous nanosphere towards high-capacity and ultrafast Li/Na-ion storage. <i>Energy Storage Materials</i> , 2018, 12, 310-323.	9.5	196
36	Electrochemistry of immobilised redox droplets: Concepts and applications. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4053.	1.3	179

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37	The cyclic voltammetric response of electrochemically heterogeneous surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2004, 574, 123-152.	1.9	178
38	The cyclic and linear sweep voltammetry of regular arrays of microdisc electrodes: Fitting of experimental data. <i>Journal of Electroanalytical Chemistry</i> , 2005, 585, 51-62.	1.9	177
39	Characterisation of commercially available electrochemical sensing platforms. <i>Sensors and Actuators B: Chemical</i> , 2009, 138, 556-562.	4.0	177
40	Electrochemical properties of CVD grown pristine graphene: monolayer- vs. quasi-graphene. <i>Nanoscale</i> , 2014, 6, 1607-1621.	2.8	177
41	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. <i>Analytical Chemistry</i> , 2019, 91, 12844-12851.	3.2	176
42	An overview of the electrochemical reduction of oxygen at carbon-based modified electrodes. <i>Journal of the Iranian Chemical Society</i> , 2005, 2, 1-25.	1.2	173
43	Future of additive manufacturing: Overview of 4D and 3D printed smart and advanced materials and their applications. <i>Chemical Engineering Journal</i> , 2021, 403, 126162.	6.6	163
44	Exploration of ion migration mechanism and diffusion capability for Na ₃ V ₂ (PO ₄) ₂ F ₃ cathode utilized in rechargeable sodium-ion batteries. <i>Journal of Power Sources</i> , 2014, 256, 258-263.	4.0	162
45	2D Hexagonal Boron Nitride (2D-hBN) Explored for the Electrochemical Sensing of Dopamine. <i>Analytical Chemistry</i> , 2016, 88, 9729-9737.	3.2	155
46	Recent Advances in Electrosynthesized Molecularly Imprinted Polymer Sensing Platforms for Bioanalyte Detection. <i>Sensors</i> , 2019, 19, 1204.	2.1	154
47	Antimonene: A Novel 2D Nanomaterial for Supercapacitor Applications. <i>Advanced Energy Materials</i> , 2018, 8, 1702606.	10.2	153
48	The Handbook of Graphene Electrochemistry. , 2014, , .		151
49	The electrochemistry of CVD graphene: progress and prospects. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8264.	1.3	148
50	Electrocatalytic detection of thiols using an edge plane pyrolytic graphite electrode. <i>Analyst</i> , The, 2004, 129, 755.	1.7	147
51	The fabrication, characterisation and electrochemical investigation of screen-printed graphene electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4598.	1.3	143
52	Abrasive immobilization of carbon nanotubes on a basal plane pyrolytic graphite electrode: application to the detection of epinephrine. <i>Analyst</i> , The, 2004, 129, 225.	1.7	141
53	Edge Plane Pyrolytic Graphite Electrodes in Electroanalysis: An Overview. <i>Analytical Sciences</i> , 2005, 21, 1263-1268.	0.8	140
54	Understanding Voltammetry. , 2010, , .		140

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55	Fabrication of Graphene Oxide Supercapacitor Devices. ACS Applied Energy Materials, 2018, 1, 707-714.	2.5	138
56	Simultaneous Voltammetric Determination of Acetaminophen and Isoniazid (Hepatotoxicity-Related) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Analytical Chemistry, 2017, 89, 2170-2178.	3.2	130
57	Screen-printed electrodes: Transitioning the laboratory in-to-the field. Talanta Open, 2021, 3, 100032.	1.7	130
58	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.	5.3	129
59	Exploring the physicoelectrochemical properties of graphene. Chemical Communications, 2010, 46, 8986.	2.2	127
60	Non-enzymatic electrochemical platform for parathion pesticide sensing based on nanometer-sized nickel oxide modified screen-printed electrodes. Food Chemistry, 2018, 255, 104-111.	4.2	127
61	Understanding Voltammetry. , 2018, , .		127
62	An overview of recent developments in the analytical detection of new psychoactive substances (NPSs). Analyst, The, 2015, 140, 4932-4948.	1.7	120
63	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
64	Alternating Voltage Introduced NiCo Double Hydroxide Layered Nanoflakes for an Asymmetric Supercapacitor. ACS Applied Materials & Interfaces, 2015, 7, 22741-22744.	4.0	117
65	Electroanalytical Determination of Trace Chloride in Room-Temperature Ionic Liquids. Analytical Chemistry, 2004, 76, 1998-2003.	3.2	115
66	A Na ₃ V ₂ (PO ₄) ₃ cathode material for use in hybrid lithium ion batteries. Physical Chemistry Chemical Physics, 2013, 15, 14357.	1.3	115
67	Antimicrobial Efficacy and Synergy of Metal Ions against Enterococcus faecium, Klebsiella pneumoniae and Acinetobacter baumannii in Planktonic and Biofilm Phenotypes. Scientific Reports, 2017, 7, 5911.	1.6	111
68	Electroanalytical Determination of Cadmium(II) and Lead(II) Using an <i>in-situ</i> Bismuth Film Modified Edge Plane Pyrolytic Graphite Electrode. Analytical Sciences, 2007, 23, 283-289.	0.8	105
69	2D nanosheet molybdenum disulphide (MoS ₂) modified electrodes explored towards the hydrogen evolution reaction. Nanoscale, 2015, 7, 18152-18168.	2.8	104
70	Electroanalysis Utilizing Amperometric Microdisk Electrode Arrays. Electroanalysis, 2007, 19, 1973-1986.	1.5	101
71	Electroanalytical sensing of chromium(III) and (VI) utilising gold screen printed macro electrodes. Analyst, The, 2012, 137, 896.	1.7	101
72	Aqueous Sodium-Ion Battery using a Na ₃ V ₂ (PO ₄) ₃ Electrode. ChemElectroChem, 2014, 1, 871-876.	1.7	101

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73	Na ₂ FePO ₄ F cathode utilized in hybrid-ion batteries: a mechanistic exploration of ion migration and diffusion capability. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2571.	5.2	101
74	Recent advances in portable heavy metal electrochemical sensing platforms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2676-2690.	1.2	99
75	Direct Oxidation of Ascorbic Acid at an Edge Plane Pyrolytic Graphite Electrode: A Comparison of the Electroanalytical Response with Other Carbon Electrodes. <i>Electroanalysis</i> , 2005, 17, 1529-1533.	1.5	98
76	Graphite screen printed electrodes for the electrochemical sensing of chromium(vi). <i>Analyst, The</i> , 2010, 135, 1947.	1.7	97
77	Trace Detection of Mercury(II) Using Gold Ultra-Microelectrode Arrays. <i>Electroanalysis</i> , 2006, 18, 573-578.	1.5	95
78	Single walled carbon nanotubes contain residual iron oxide impurities which can dominate their electrochemical activity. <i>Electrochemistry Communications</i> , 2007, 9, 2330-2333.	2.3	93
79	A Self-Catalytic Carbon Paste Electrode for the Detection of Vitamin B12. <i>Analytical Chemistry</i> , 2004, 76, 161-165.	3.2	92
80	A promising Na ₃ V ₂ (PO ₄) ₃ cathode for use in the construction of high energy batteries. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 3055.	1.3	92
81	Molecularly imprinted polymer based electrochemical biosensors: Overcoming the challenges of detecting vital biomarkers and speeding up diagnosis. <i>Talanta Open</i> , 2020, 2, 100018.	1.7	92
82	Polymer electrolyte electrolysis: A review of the activity and stability of non-precious metal hydrogen evolution reaction and oxygen evolution reaction catalysts. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 139, 110709.	8.2	92
83	Ultrasonically Enhanced Voltammetric Analysis and Applications: An Overview. <i>Electroanalysis</i> , 2003, 15, 329-346.	1.5	91
84	Use of High-Purity Metal-Catalyst-Free Multiwalled Carbon Nanotubes To Avoid Potential Experimental Misinterpretations. <i>Langmuir</i> , 2007, 23, 9501-9504.	1.6	91
85	The Shono-type electroorganic oxidation of unfunctionalised amides. Carbon- ¹³ C carbon bond formation via electrogenerated <i>N</i> -acyliminium ions. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 3056-3072.	1.3	91
86	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.	2.6	91
87	Boron-doped diamond microdisc arrays: electrochemical characterisation and their use as a substrate for the production of microelectrode arrays of diverse metals (Ag, Au, Cu) via electrodeposition. <i>Analyst, The</i> , 2005, 130, 1303.	1.7	89
88	Fabricating graphene supercapacitors: highlighting the impact of surfactants and moieties. <i>Chemical Communications</i> , 2012, 48, 1425-1427.	2.2	88
89	Freestanding three-dimensional graphene foam gives rise to beneficial electrochemical signatures within non-aqueous media. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5962.	5.2	88
90	Multifunctional dual Na ₃ V ₂ (PO ₄) ₃ F ₃ cathode for both lithium-ion and sodium-ion batteries. <i>RSC Advances</i> , 2014, 4, 11375-11383.	1.7	88

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91	Graphene Electrochemistry: Surfactants Inherent to Graphene Can Dramatically Effect Electrochemical Processes. <i>Electroanalysis</i> , 2011, 23, 894-899.	1.5	85
92	Paper-based electroanalytical sensing platforms. <i>Analytical Methods</i> , 2013, 5, 103-110.	1.3	85
93	The Electrochemical Detection of Arsenic(III) at a Silver Electrode. <i>Electroanalysis</i> , 2005, 17, 1727-1733.	1.5	84
94	Sonically Assisted Electroanalytical Detection of Ultratrace Arsenic. <i>Analytical Chemistry</i> , 2004, 76, 5051-5055.	3.2	83
95	Iron(III) Oxide Graphite Composite Electrodes: Application to the Electroanalytical Detection of Hydrazine and Hydrogen Peroxide. <i>Electroanalysis</i> , 2006, 18, 1757-1762.	1.5	83
96	2D molybdenum disulphide (2D-MoS ₂) modified electrodes explored towards the oxygen reduction reaction. <i>Nanoscale</i> , 2016, 8, 14767-14777.	2.8	83
97	The electrochemical performance of graphene modified electrodes: An analytical perspective. <i>Analyst, The</i> , 2012, 137, 1815.	1.7	82
98	The latest developments in quantifying cyanide and hydrogen cyanide. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 75-85.	5.8	82
99	Combination of electrochemical biosensor and textile threads: A microfluidic device for phenol determination in tap water. <i>Biosensors and Bioelectronics</i> , 2018, 99, 382-388.	5.3	82
100	Facile synthetic fabrication of iron oxide particles and novel hydrogen superoxide supercapacitors. <i>RSC Advances</i> , 2012, 2, 6672.	1.7	81
101	Boron doped diamond electrode modified with iridium oxide for amperometric detection of ultra trace amounts of arsenic(iii). <i>Analyst, The</i> , 2004, 129, 9.	1.7	80
102	Super-washing does not leave single walled carbon nanotubes iron-free. <i>Analyst, The</i> , 2007, 132, 21-23.	1.7	79
103	A new approach for the improved interpretation of capacitance measurements for materials utilised in energy storage. <i>RSC Advances</i> , 2015, 5, 12782-12791.	1.7	79
104	Understanding the Physicoelectrochemical Properties of Carbon Nanotubes: Current State of the Art. <i>Electroanalysis</i> , 2010, 22, 7-19.	1.5	78
105	Square-wave voltammetric determination of paraquat using a glassy carbon electrode modified with multiwalled carbon nanotubes within a dihexadecylhydrogenphosphate (DHP) film. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 306-311.	4.0	78
106	Electroanalytical applications of boron-doped diamond microelectrode arrays. <i>Talanta</i> , 2006, 69, 829-834.	2.9	77
107	Additively manufactured graphitic electrochemical sensing platforms. <i>Chemical Engineering Journal</i> , 2020, 381, 122343.	6.6	77
108	Quantifying the electron transfer sites of graphene. <i>Electrochemistry Communications</i> , 2011, 13, 8-11.	2.3	76

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109	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. <i>Analytical Chemistry</i> , 2014, 86, 9985-9992.	3.2	76
110	Mercury-free sono-electroanalytical detection of lead in human blood by use of bismuth-film-modified boron-doped diamond electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 379, 700-6.	1.9	73
111	Graphene electrochemistry: Surfactants inherent to graphene inhibit metal analysis. <i>Electrochemistry Communications</i> , 2011, 13, 111-113.	2.3	73
112	All-Diamond Microelectrode Array Device. <i>Analytical Chemistry</i> , 2005, 77, 3705-3708.	3.2	72
113	Gold Nanoparticle Modified Screen Printed Electrodes for the Trace Sensing of Arsenic(III) in the Presence of Copper(II). <i>Electroanalysis</i> , 2010, 22, 2496-2501.	1.5	72
114	Forensic electrochemistry: the electroanalytical sensing of Rohypnol [®] (flunitrazepam) using screen-printed graphite electrodes without recourse for electrode or sample pre-treatment. <i>Analyst, The</i> , 2013, 138, 6185.	1.7	71
115	Electrochemical impedance spectroscopy versus cyclic voltammetry for the electroanalytical sensing of capsaicin utilising screen printed carbon nanotube electrodes. <i>Analyst, The</i> , 2013, 138, 2970.	1.7	71
116	Forensic electrochemistry: the electroanalytical sensing of synthetic cathinone-derivatives and their accompanying adulterants in "legal high" products. <i>Analyst, The</i> , 2014, 139, 389-400.	1.7	71
117	Palladium Sub-Nanoparticle Decorated "Bamboo" Multi-Walled Carbon Nanotubes Exhibit Electrochemical Metastability: Voltammetric Sensing in Otherwise Inaccessible pH Ranges. <i>Electroanalysis</i> , 2006, 18, 2481-2485.	1.5	69
118	Ultraflexible Screen-Printed Graphitic Electroanalytical Sensing Platforms. <i>Electroanalysis</i> , 2014, 26, 262-274.	1.5	69
119	Self-assembly of porous copper oxide hierarchical nanostructures for selective determinations of glucose and ascorbic acid. <i>RSC Advances</i> , 2016, 6, 14474-14482.	1.7	68
120	Simultaneous voltammetric determination of antihypertensive drugs nifedipine and atenolol utilizing MgO nanoplatelet modified screen-printed electrodes in pharmaceuticals and human fluids. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 1045-1054.	4.0	68
121	Voltammetry of Electroactive Oil Droplets: Electrochemically-Induced Ion Insertion, Expulsion and Reaction Processes at Microdroplets of N,N,N',N'-Tetraalkyl-para-phenylenediamines (TRPD, R = n-Butyl). <i>J Electroanal Chem</i> , 2011, 674, 1-14.	1.0	67
122	Manganese detection in marine sediments: anodic vs. cathodic stripping voltammetry. <i>Talanta</i> , 2005, 65, 423-429.	2.9	67
123	Electrochemically polymerised composites of multi-walled carbon nanotubes and poly(vinylferrocene) and their use as modified electrodes: Application to glucose sensing. <i>Analyst, The</i> , 2006, 131, 670-677.	1.7	67
124	Electroanalytical thread-device for estriol determination using screen-printed carbon electrodes modified with carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 978-984.	4.0	67
125	The transport limited currents at insonated electrodes. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3147.	1.3	66
126	Lead(IV) oxide-graphite composite electrodes: Application to sensing of ammonia, nitrite and phenols. <i>Analytica Chimica Acta</i> , 2007, 587, 240-246.	2.6	66

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127	Simultaneous Determination of Uric Acid and Ascorbic Acid Using Edge Plane Pyrolytic Graphite Electrodes. <i>Electroanalysis</i> , 2006, 18, 741-747.	1.5	65
128	Cobalt Phthalocyanine Modified Electrodes Utilised in Electroanalysis: Nano-Structured Modified Electrodes vs. Bulk Modified Screen-Printed Electrodes. <i>Sensors</i> , 2014, 14, 21905-21922.	2.1	65
129	Can the mechanical activation (polishing) of screen-printed electrodes enhance their electroanalytical response?. <i>Analyst, The</i> , 2016, 141, 2791-2799.	1.7	65
130	The Detection of Nitrate Using in-situ Copper Nanoparticle Deposition at a Boron Doped Diamond Electrode. <i>Analytical Sciences</i> , 2005, 21, 1421-1430.	0.8	64
131	Analytical methods for quantifying creatinine within biological media. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 239-252.	4.0	64
132	Sonoelectroanalytical Detection of Ultra-Trace Arsenic. <i>Electroanalysis</i> , 2005, 17, 335-342.	1.5	63
133	Copper Oxide " Graphite Composite Electrodes: Application to Nitrite Sensing. <i>Electroanalysis</i> , 2007, 19, 79-84.	1.5	63
134	Ultrasonic effects on the electro-reduction of oxygen at a glassy carbon anthraquinone-modified electrode. The Koutecky-Levich equation applied to insonated electro-catalytic reactions. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3988-3993.	1.3	62
135	Graphene electrochemical supercapacitors: the influence of oxygen functional groups. <i>Chemical Communications</i> , 2012, 48, 2770.	2.2	62
136	Hexagonal nickel oxide nanoplate-based electrochemical supercapacitor. <i>Journal of Materials Science</i> , 2012, 47, 503-507.	1.7	62
137	Mechanistic investigation of ion migration in Na ₃ V ₂ (PO ₄) ₂ F ₃ hybrid-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 159-165.	1.3	62
138	Rapid and Portable Electrochemical Quantification of Phosphorus. <i>Analytical Chemistry</i> , 2015, 87, 4269-4274.	3.2	61
139	Voltammetric Exploration and Applications of Ultrasonic Cavitation. <i>ChemPhysChem</i> , 2003, 4, 169-178.	1.0	60
140	Manganese Dioxide Graphite Composite Electrodes: Application to the Electroanalysis of Hydrogen Peroxide, Ascorbic Acid and Nitrite. <i>Analytical Sciences</i> , 2007, 23, 165-170.	0.8	60
141	Novel MWCNTs/graphene oxide/pyrogallol composite with enhanced sensitivity for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017, 89, 1034-1041.	5.3	60
142	Characterization and fabrication of disposable screen printed microelectrodes. <i>Electrochemistry Communications</i> , 2009, 11, 1377-1380.	2.3	59
143	Simultaneous determination of codeine and its co-formulated drugs acetaminophen and caffeine by utilising cerium oxide nanoparticles modified screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 142-154.	4.0	59
144	Sonoelectrochemistry Understood via Nanosecond Voltammetry: Sono-emulsions and the Measurement of the Potential of Zero Charge of a Solid Electrode. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5810-5813.	1.2	58

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145	Direct electrochemistry of hemoglobin and biosensing for hydrogen peroxide using a film containing silver nanoparticles and poly(amidoamine) dendrimer. <i>Materials Science and Engineering C</i> , 2016, 58, 97-102.	3.8	58
146	3D spongy graphene-modified screen-printed sensors for the voltammetric determination of the narcotic drug codeine. <i>Biosensors and Bioelectronics</i> , 2018, 101, 90-95.	5.3	58
147	Electrode Kinetic Studies of the Hydroquinone~Benzoquinone System and the Reaction between Hydroquinone and Ammonia in Propylene Carbonate: Application to the Indirect Electroanalytical Sensing of Ammonia. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1496-1504.	1.5	57
148	Next generation screen printed electrochemical platforms: Non-enzymatic sensing of carbohydrates using copper(ii) oxide screen printed electrodes. <i>Analytical Methods</i> , 2009, 1, 183.	1.3	57
149	Graphene electrochemistry: Fabricating amperometric biosensors. <i>Analyst, The</i> , 2011, 136, 2084.	1.7	57
150	Graphene ultracapacitors: structural impacts. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4799.	1.3	57
151	In situ electrochemical characterisation of graphene and various carbon-based electrode materials: an internal standard approach. <i>RSC Advances</i> , 2015, 5, 37281-37286.	1.7	57
152	Edge Plane Sites on Highly Ordered Pyrolytic Graphite as Templates for Making Palladium Nanowires via Electrochemical Decoration. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22306-22309.	1.2	56
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