

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	Electroanalytical overview: the electroanalytical sensing of hydrazine. <i>Sensors & Diagnostics</i> , 2022, 1, 71-86.	1.9	20
2	Reviewing the use of chitosan and polydopamine for electrochemical sensing. <i>Current Opinion in Electrochemistry</i> , 2022, 32, 100885.	2.5	6
3	Nanosized nickel hexacyanoferrate modified screen-printed electrodes as flexible supercapattery platforms: Influence of annealing temperatures and supporting electrolytes. <i>Journal of Energy Storage</i> , 2022, 46, 103872.	3.9	5
4	Inherent characteristics of ultra-photosensitive Al/Cu@CeO ₂ /p-Si metal oxide semiconductor diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1445-1457.	2.7	7
5	Influence of design and material characteristics on 3D printed flow-cells for heat transfer-based analytical devices. <i>Mikrochimica Acta</i> , 2022, 189, 73.	2.5	2
6	Studies of the rate of gold sorption by the AM-2B anionite from cyanide-alkaline solutions. <i>Kompleksnoe Ispol'zovanie Mineral'nogo Syr'ca/Complex Use of Mineral Resources/Mineraldik Shikisattardy Keshendi Paidalanu</i> , 2022, 320, 88-94.	0.1	0
7	Diamine Oxidase-Conjugated Multiwalled Carbon Nanotubes to Facilitate Electrode Surface Homogeneity. <i>Sensors</i> , 2022, 22, 675.	2.1	6
8	Nano-molecularly imprinted polymers for serum creatinine sensing using the heat transfer method. <i>Talanta Open</i> , 2022, 5, 100087.	1.7	8
9	Chemical-Mechanical Effects in Ni-Rich Cathode Materials. <i>Chemistry of Materials</i> , 2022, 34, 1509-1523.	3.2	34
10	Electroanalytical overview: screen-printed electrochemical sensing platforms for the detection of vital cardiac, cancer and inflammatory biomarkers. <i>Sensors & Diagnostics</i> , 2022, 1, 405-428.	1.9	20
11	Textile additive manufacturing: An overview. <i>Cogent Engineering</i> , 2022, 9, .	1.1	13
12	Electroanalytical point-of-care detection of gold standard and emerging cardiac biomarkers for stratification and monitoring in intensive care medicine - a review. <i>Mikrochimica Acta</i> , 2022, 189, 142.	2.5	22
13	All-in-One Single-Print Additively Manufactured Electroanalytical Sensing Platforms. <i>ACS Measurement Science Au</i> , 2022, 2, 167-176.	1.9	22
14	Molecularly Imprinted Polymer Nanoparticles Enable Rapid, Reliable, and Robust Point-of-Care Thermal Detection of SARS-CoV-2. <i>ACS Sensors</i> , 2022, 7, 1122-1131.	4.0	45
15	2D-Hexagonal Boron Nitride Screen-Printed Bulk-Modified Electrochemical Platforms Explored towards Oxygen Reduction Reactions. <i>Sensors</i> , 2022, 22, 3330.	2.1	1
16	Electroanalytical overview: The determination of manganese. <i>Sensors and Actuators Reports</i> , 2022, 4, 100110.	2.3	6
17	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
18	Recent advances in 2D hexagonal boron nitride (2D-hBN) applied as the basis of electrochemical sensing platforms. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 663-672.	1.9	41

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19	Rapid antibiotic susceptibility testing using resazurin bulk modified screen-printed electrochemical sensing platforms. <i>Analyst</i> , 2021, 146, 5574-5583.	1.7	11
20	Symmetrical Derivative of Anthrone as a Novel Receptor for Mercury Ions: Enhanced Performance of Modified Screen-Printed Electrode. <i>Journal of Carbon Research</i> , 2021, 7, 13.	1.4	1
21	Disposable non-enzymatic electrochemical glucose sensors based on screen-printed graphite macroelectrodes modified <i>via</i> a facile methodology with Ni, Cu, and Ni/Cu hydroxides are shown to accurately determine glucose in real human serum blood samples. <i>Analytical Methods</i> , 2021, 13, 2812-2822.	1.3	19
22	Facile synthesis of Ni/NiO nanocomposites: the effect of Ni content in NiO upon the oxygen evolution reaction within alkaline media. <i>RSC Advances</i> , 2021, 11, 14654-14664.	1.7	36
23	Enhancing the efficiency of the hydrogen evolution reaction utilising Fe ₃ P bulk modified screen-printed electrodes <i>via</i> the application of a magnetic field. <i>RSC Advances</i> , 2021, 11, 8073-8079.	1.7	12
24	Journal of Carbon Research: 300th Publications Milestone. <i>Journal of Carbon Research</i> , 2021, 7, 24.	1.4	0
25	Graphene Matrices as Carriers for Metal Ions against Antibiotic Susceptible and Resistant Bacterial Pathogens. <i>Coatings</i> , 2021, 11, 352.	1.2	7
26	Toward the Rapid Diagnosis of Sepsis: Detecting Interleukin-6 in Blood Plasma Using Functionalized Screen-Printed Electrodes with a Thermal Detection Methodology. <i>Analytical Chemistry</i> , 2021, 93, 5931-5938.	3.2	31
27	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
28	Application of botryosphaeran as a carbon black adherent on a glassy carbon electrode for the electrochemical determination of cyclobenzaprime. <i>Electrochimica Acta</i> , 2021, 379, 138176.	2.6	3
29	MoO ₂ Nanowire Electrochemically Decorated Graphene Additively Manufactured Supercapacitor Platforms. <i>Advanced Energy Materials</i> , 2021, 11, 2100433.	10.2	25
30	Approaches to the Rational Design of Molecularly Imprinted Polymers Developed for the Selective Extraction or Detection of Antibiotics in Environmental and Food Samples. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100021.	0.8	15
31	Label-free aptasensor for p24-HIV protein detection based on graphene quantum dots as an electrochemical signal amplifier. <i>Analytica Chimica Acta</i> , 2021, 1166, 338548.	2.6	37
32	Immobilization of Molecularly Imprinted Polymer Nanoparticles onto Surfaces Using Different Strategies: Evaluating the Influence of the Functionalized Interface on the Performance of a Thermal Assay for the Detection of the Cardiac Biomarker Troponin I. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27868-27879.	4.0	24
33	Additive manufactured graphene-based electrodes exhibit beneficial performances in <i>Pseudomonas aeruginosa</i> microbial fuel cells. <i>Journal of Power Sources</i> , 2021, 499, 229938.	4.0	15
34	Electroanalytical overview: utilising micro- and nano-dimensional sized materials in electrochemical-based biosensing platforms. <i>Mikrochimica Acta</i> , 2021, 188, 268.	2.5	28
35	Electroanalytical overview: The electroanalytical detection of theophylline. <i>Talanta Open</i> , 2021, 3, 100037.	1.7	7
36	Electroanalytical Overview: Electrochemical Sensing Platforms for Food and Drink Safety. <i>Biosensors</i> , 2021, 11, 291.	2.3	24

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37	Electropolymerised molecularly imprinted polymers for the heat-transfer based detection of microorganisms: A proof-of-concept study using yeast. <i>Thermal Science and Engineering Progress</i> , 2021, 24, 100956.	1.3	7
38	Screen-printed electrodes: Transitioning the laboratory in-to-the field. <i>Talanta Open</i> , 2021, 3, 100032.	1.7	130
39	The development of carbon dots: From the perspective of materials chemistry. <i>Materials Today</i> , 2021, 51, 188-207.	8.3	213
40	Addressing Stakeholder Concerns Regarding the Effective Use of Bio-Based and Biodegradable Plastics. <i>Resources</i> , 2021, 10, 95.	1.6	12
41	Electrochemical Overview: A Summary of $\text{ACo}_x\text{Mn}_y\text{Ni}_z\text{O}_2$ and Metal Oxides as Versatile Cathode Materials for Metal-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2107761.	7.8	13
42	Electrospun Nylon Fibers with Integrated Polypyrrole Molecularly Imprinted Polymers for the Detection of Glucose. <i>Analytical Chemistry</i> , 2021, 93, 13235-13241.	3.2	25
43	The effect of TiO_2 coatings on the formation of ozone and nitrogen oxides in non-thermal atmospheric pressure plasma. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106046.	3.3	4
44	Perspective: What constitutes a quality paper in electroanalysis?. <i>Talanta Open</i> , 2021, 4, 100065.	1.7	8
45	Additive manufacturing for electrochemical labs: An overview and tutorial note on the production of cells, electrodes and accessories. <i>Talanta Open</i> , 2021, 4, 100051.	1.7	46
46	Electroanalytical overview: the pungency of chile and chilli products determined <i>via</i> the sensing of capsaicinoids. <i>Analyst, The</i> , 2021, 146, 2769-2783.	1.7	17
47	Evaluating the Possibility of Translating Technological Advances in Non-Invasive Continuous Lactate Monitoring into Critical Care. <i>Sensors</i> , 2021, 21, 879.	2.1	8
48	Glassy Carbon Electrode Modified with Layering of Carbon Black/Poly(Allylamine Hydrochloride) Composite for Multianalyte Determination. <i>Electroanalysis</i> , 2021, 33, 526-536.	1.5	8
49	Electroanalytical overview: The detection of the molecule of murder atropine. <i>Talanta Open</i> , 2021, 4, 100073.	1.7	12
50	Sensing Materials: Carbon Materials. , 2021, , .		0
51	Electrochemical Improvements Can Be Realized via Shortening the Length of Screen-Printed Electrochemical Platforms. <i>Analytical Chemistry</i> , 2021, 93, 16481-16488.	3.2	29
52	A low cost, versatile and chromatographic device for microfluidic amperometric analyses. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127117.	4.0	19
53	Additively manufactured graphitic electrochemical sensing platforms. <i>Chemical Engineering Journal</i> , 2020, 381, 122343.	6.6	77
54	Metal ions and graphene-based compounds as alternative treatment options for burn wounds infected by antibiotic-resistant <i>Pseudomonas aeruginosa</i> . <i>Archives of Microbiology</i> , 2020, 202, 995-1004.	1.0	13

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55	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.	2.2	11
56	Single step additive manufacturing (3D printing) of electrocatalytic anodes and cathodes for efficient water splitting. <i>Sustainable Energy and Fuels</i> , 2020, 4, 302-311.	2.5	49
57	Nanomodified Screen-Printed Electrode for direct determination of Aflatoxin B1 in malted barley samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 307, 127547.	4.0	30
58	Electrochemical properties of vertically aligned graphenes: tailoring heterogeneous electron transfer through manipulation of the carbon microstructure. <i>Nanoscale Advances</i> , 2020, 2, 5319-5328.	2.2	10
59	Recent advances in portable heavy metal electrochemical sensing platforms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 2676-2690.	1.2	99
60	Polyphenol oxidase-based electrochemical biosensors: A review. <i>Analytica Chimica Acta</i> , 2020, 1139, 198-221.	2.6	40
61	Determination of tadalafil in pharmaceutical samples by vertically oriented multi-walled carbon nanotube electrochemical sensing device. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114501.	1.9	12
62	Voltammetric Behaviour of Drug Molecules as a Predictor of Metabolic Liabilities. <i>Scientia Pharmaceutica</i> , 2020, 88, 46.	0.7	4
63	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
64	Functionalized Co ₃ O ₄ graphitic nanoparticles: A high performance electrocatalyst for the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 31380-31388.	3.8	21
65	Platinum nanoparticle decorated vertically aligned graphene screen-printed electrodes: electrochemical characterisation and exploration towards the hydrogen evolution reaction. <i>Nanoscale</i> , 2020, 12, 18214-18224.	2.8	23
66	COVID-19: additive manufacturing response in the UK. <i>Journal of 3D Printing in Medicine</i> , 2020, 4, 167-174.	1.0	9
67	Electrochemical Decoration of Additively Manufactured Graphene Macroelectrodes with MoO ₂ Nanowires: An Approach to Demonstrate the Surface Morphology. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15377-15385.	1.5	5
68	An Overview of Recent Electroanalytical Applications Utilizing Screen-Printed Electrodes Within Flow Systems. <i>ChemElectroChem</i> , 2020, 7, 2211-2221.	1.7	39
69	2D materials as the basis of supercapacitor devices. , 2020, , 97-130.		3
70	Graphene Oxide Bulk-Modified Screen-Printed Electrodes Provide Beneficial Electroanalytical Sensing Capabilities. <i>Biosensors</i> , 2020, 10, 27.	2.3	21
71	Versatile additively manufactured (3D printed) wall-jet flow cell for high performance liquid chromatography-amperometric analysis: application to the detection and quantification of new psychoactive substances (NBOMes). <i>Analytical Methods</i> , 2020, 12, 2152-2165.	1.3	22
72	Trace manganese detection <i>via</i> differential pulse cathodic stripping voltammetry using disposable electrodes: additively manufactured nanographite electrochemical sensing platforms. <i>Analyst, The</i> , 2020, 145, 3424-3430.	1.7	32

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73	Thermistors coated with molecularly imprinted nanoparticles for the electrical detection of peptides and proteins. <i>Analyst</i> , The, 2020, 145, 5419-5424.	1.7	9
74	Three-dimensional (3D) scanning and additive manufacturing (AM) allows the fabrication of customised crutch grips. <i>Materials Today Communications</i> , 2020, 25, 101225.	0.9	9
75	Screen Printed Electrode Based Detection Systems for the Antibiotic Amoxicillin in Aqueous Samples Utilising Molecularly Imprinted Polymers as Synthetic Receptors. <i>Chemosensors</i> , 2020, 8, 5.	1.8	42
76	A screen-printed electrochemical sensing platform surface modified with nanostructured ytterbium oxide nanoplates facilitating the electroanalytical sensing of the analgesic drugs acetaminophen and tramadol. <i>Mikrochimica Acta</i> , 2020, 187, 126.	2.5	22
77	An innovative electrochemical platform for the sensitive determination of the hepatitis B inhibitor Entecavir with ionic liquid as a mediator. <i>Journal of Molecular Liquids</i> , 2020, 302, 112498.	2.3	15
78	The influence of lateral flake size in graphene/graphite paste electrodes: an electroanalytical investigation. <i>Analytical Methods</i> , 2020, 12, 2133-2142.	1.3	10
79	Electrochemically Reduced Graphene Oxide as Screen-Printed Electrode Modifier for Fenamiphos Determination. <i>Electroanalysis</i> , 2020, 32, 1689-1695.	1.5	12
80	Molybdenum Disulfide Surfaces to Reduce <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> Biofilm Formation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21057-21069.	4.0	13
81	Research of hydrometallurgical method of leaching gold from flotation tails with using bio-oxidation. <i>Kompleksnoe Ispol'zovanie Mineral'nogo Syr'ca/Complex Use of Mineral Resources/Mineraldik Shikisattardy Keshendi Paidalanu</i> , 2020, 314, 28-39.	0.1	0
82	Electrochemical Portable Method for <i>on site</i> Screening of Scopolamine in Beverage and Urine Samples. <i>Electroanalysis</i> , 2019, 31, 567-574.	1.5	26
83	Batch-Injection Amperometric Analysis on Screen-Printed Electrodes: Analytical System for High-Throughput Determination of Pharmaceutical Molecules. <i>Electroanalysis</i> , 2019, 31, 518-526.	1.5	7
84	Single and combined antimicrobial efficacies for nine metal ion solutions against <i>Klebsiella pneumoniae</i> , <i>Acinetobacter baumannii</i> and <i>Enterococcus faecium</i> . <i>International Biodeterioration and Biodegradation</i> , 2019, 141, 39-43.	1.9	12
85	<i>In situ</i> addition of graphitic carbon into a NiCo ₂ O ₄ /CoO composite: enhanced catalysis toward the oxygen evolution reaction. <i>RSC Advances</i> , 2019, 9, 24995-25002.	1.7	24
86	Heat-Transfer Method: A Thermal Analysis Technique for the Real-Time Monitoring of <i>Staphylococcus aureus</i> Growth in Buffered Solutions and Digestate Samples. <i>ACS Applied Bio Materials</i> , 2019, 2, 3790-3798.	2.3	11
87	Investigating the Integrity of Graphene towards the Electrochemical Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 5446-5453.	1.7	11
88	Investigating the Integrity of Graphene towards the Electrochemical Hydrogen Evolution Reaction (HER). <i>Scientific Reports</i> , 2019, 9, 15961.	1.6	36
89	Quick Test for Determination of N-Bombs (Phenethylamine Derivatives, NBOMe) Using High-Performance Liquid Chromatography: A Comparison between Photodiode Array and Amperometric Detection. <i>ACS Omega</i> , 2019, 4, 14439-14450.	1.6	14
90	Exploring the reactivity of distinct electron transfer sites at CVD grown monolayer graphene through the selective electrodeposition of MoO ₂ nanowires. <i>Scientific Reports</i> , 2019, 9, 12814.	1.6	11

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91	Complete Additively Manufactured (3D-Printed) Electrochemical Sensing Platform. <i>Analytical Chemistry</i> , 2019, 91, 12844-12851.	3.2	176
92	In-vitro Study of Effect of the Design of the Stent on the Arterial Waveforms. <i>Procedia Structural Integrity</i> , 2019, 15, 33-40.	0.3	2
93	Mass-producible 2D-WS ₂ bulk modified screen printed electrodes towards the hydrogen evolution reaction. <i>RSC Advances</i> , 2019, 9, 25003-25011.	1.7	13
94	Thermal Detection of Cardiac Biomarkers Heart-Fatty Acid Binding Protein and ST2 Using a Molecularly Imprinted Nanoparticle-Based Multiplex Sensor Platform. <i>ACS Sensors</i> , 2019, 4, 2838-2845.	4.0	50
95	Disposable screen-printed electrodes modified with uniform iron oxide nanocubes for the simple electrochemical determination of meclizine, an antihistamine drug. <i>Analytical Methods</i> , 2019, 11, 282-287.	1.3	18
96	The preparation of hydroxyapatite from unrefined calcite residues and its application for lead removal from aqueous solutions. <i>RSC Advances</i> , 2019, 9, 4054-4062.	1.7	13
97	Analytical determination of heroin, fentanyl and fentalogues using high-performance liquid chromatography with diode array and amperometric detection. <i>Analytical Methods</i> , 2019, 11, 1053-1063.	1.3	30
98	Forensic Electrochemistry: The Electroanalytical Sensing of Mephedrone Metabolites. <i>ACS Omega</i> , 2019, 4, 1947-1954.	1.6	30
99	Effects of surfactant on morphology, chemical properties and catalytic activity of hydroxyapatite. <i>Journal of Solid State Chemistry</i> , 2019, 276, 345-351.	1.4	26
100	MoS ₂ -graphene-CuNi ₂ S ₄ nanocomposite an efficient electrocatalyst for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16069-16078.	3.8	21
101	Introduction to electrochemistry for health applications. <i>Analytical Methods</i> , 2019, 11, 2736-2737.	1.3	5
102	Next-Generation Additive Manufacturing: Tailorable Graphene/Poly(lactic acid) Filaments Allow the Fabrication of 3D Printable Porous Anodes for Utilisation within Lithium-ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 399-400.	2.4	0
103	Recent Advances in Electrosynthesized Molecularly Imprinted Polymer Sensing Platforms for Bioanalyte Detection. <i>Sensors</i> , 2019, 19, 1204.	2.1	154
104	Pseudo Cavity of Schiff Base Ionophore Incorporated in Screen Printed Electrode for Sensing of Zn (II). <i>Journal of the Electrochemical Society</i> , 2019, 166, B464-B471.	1.3	4
105	Next-Generation Additive Manufacturing: Tailorable Graphene/Poly(lactic acid) Filaments Allow the Fabrication of 3D Printable Porous Anodes for Utilisation within Lithium-ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 448-453.	2.4	52
106	Nonenzymatic sensor for determination of glucose in blood plasma based on nickel oxyhydroxide in a microfluidic system of cotton thread. <i>Journal of Electroanalytical Chemistry</i> , 2019, 840, 153-159.	1.9	17
107	Nanodiamond based surface modified screen-printed electrodes for the simultaneous voltammetric determination of dopamine and uric acid. <i>Mikrochimica Acta</i> , 2019, 186, 200.	2.5	46
108	Graphene Quantum Dots Modified Screen-Printed Electrodes as Electroanalytical Sensing Platform for Diethylstilbestrol. <i>Electroanalysis</i> , 2019, 31, 838-843.	1.5	27

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109	Next-Generation Additive Manufacturing of Complete Standalone Sodium-Ion Energy Storage Architectures. <i>Advanced Energy Materials</i> , 2019, 9, 1803019.	10.2	48
110	Electrochemical determination of antihypertensive drugs by employing costless and portable unmodified screen-printed electrodes. <i>Talanta</i> , 2019, 198, 447-456.	2.9	32
111	Metabolism Mimicry: An Electrosynthetic Method for the Selective Deethylation of Tertiary Benzamides. <i>ChemElectroChem</i> , 2019, 6, 4284-4291.	1.7	17
112	Ni ²⁺ /Fe (Oxy)hydroxide Modified Graphene Additive Manufactured (3D-Printed) Electrochemical Platforms as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 5633-5641.	1.7	32
113	Novel electrochemical synthesis of cellulose microfiber entrapped reduced graphene oxide: A sensitive electrochemical assay for detection of fenitrothion organophosphorus pesticide. <i>Talanta</i> , 2019, 192, 471-477.	2.9	55
114	Facile synthesis of cellulose microfibers supported palladium nanospindles on graphene oxide for selective detection of dopamine in pharmaceutical and biological samples. <i>Materials Science and Engineering C</i> , 2019, 98, 256-265.	3.8	28
115	A simple and fast-portable method for the screening of the appetite-suppressant drug sibutramine in natural products and multivitamins supplements. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 449-456.	4.0	23
116	Microbial fuel cells: An overview of current technology. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 60-81.	8.2	473
117	Evaluating the temperature dependence of heat-transfer based detection: A case study with caffeine and Molecularly Imprinted Polymers as synthetic receptors. <i>Chemical Engineering Journal</i> , 2019, 359, 505-517.	6.6	33
118	Effectiveness of titanium nitride silver coatings against <i>Staphylococcus</i> spp. in the presence of BSA and whole blood conditioning agents. <i>International Biodeterioration and Biodegradation</i> , 2019, 141, 44-51.	1.9	7
119	The effects of blood conditioning films on the antimicrobial and retention properties of zirconium-nitride silver surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 303-311.	2.5	17
120	Enhanced reversible redox activity of hemin on cellulose microfiber integrated reduced graphene oxide for H ₂ O ₂ biosensor applications. <i>Carbohydrate Polymers</i> , 2019, 204, 152-160.	5.1	34
121	Investigating structure-property relationships of biomineralized calcium phosphate compounds as fluorescent quenching-recovery platform. <i>Royal Society Open Science</i> , 2018, 5, 170877.	1.1	2
122	Development of a Flexible MIP-Based Biosensor Platform for the Thermal Detection of Neurotransmitters. <i>MRS Advances</i> , 2018, 3, 1569-1574.	0.5	5
123	Fast Determination of Antioxidant Capacity of Food Samples Using Continuous Amperometric Detection on Polyester Screen-Printed Graphitic Electrodes. <i>Electroanalysis</i> , 2018, 30, 1192-1197.	1.5	6
124	Engineering molecularly imprinted polymers (MIPs) for the selective extraction and quantification of the novel psychoactive substance (NPS) methoxphenidine and its regioisomers. <i>Analyst</i> , The, 2018, 143, 2002-2007.	1.7	17
125	Non-enzymatic electrochemical platform for parathion pesticide sensing based on nanometer-sized nickel oxide modified screen-printed electrodes. <i>Food Chemistry</i> , 2018, 255, 104-111.	4.2	127
126	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

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127	Freestanding Three-Dimensional Graphene Macroporous Supercapacitor. ACS Applied Energy Materials, 2018, 1, 891-899.	2.5	35
128	Antimicrobial activity of Ti-ZrN/Ag coatings for use in biomaterial applications. Scientific Reports, 2018, 8, 1497.	1.6	16
129	Fabrication of Graphene Oxide Supercapacitor Devices. ACS Applied Energy Materials, 2018, 1, 707-714.	2.5	138
130	Highly sensitive and selective determination of dopamine using screen-printed electrodes modified with nanocomposite of N-phenyl-p-phenylenediamine/multiwalled carbon nanotubes/nafion. Materials Research Bulletin, 2018, 101, 253-263.	2.7	16
131	One-pot synthesis of Mn ₃ O ₄ /graphitic carbon nanoparticles for simultaneous nanomolar detection of Pb(II), Cd(II) and Hg(II). Journal of Materials Science, 2018, 53, 4961-4973.	1.7	23
132	Antimonene: A Novel 2D Nanomaterial for Supercapacitor Applications. Advanced Energy Materials, 2018, 8, 1702606.	10.2	153
133	Large-scale production of CdO/Cd(OH) ₂ nanocomposites for non-enzyme sensing and supercapacitor applications. RSC Advances, 2018, 8, 921-930.	1.7	36
134	Carbon Nanodots as Electrocatalysts towards the Oxygen Reduction Reaction. Electroanalysis, 2018, 30, 436-444.	1.5	26
135	Influence of the metal/metal oxide redox cycle on the catalytic activity of methane oxidation over Pd and Ni doped hydroxyapatite. Catalysis Communications, 2018, 107, 82-86.	1.6	7
136	3D spongy graphene-modified screen-printed sensors for the voltammetric determination of the narcotic drug codeine. Biosensors and Bioelectronics, 2018, 101, 90-95.	5.3	58
137	Use of Screen-Printed Electrodes Modified by Prussian Blue and Analogues in Sensing of Cysteine. Electroanalysis, 2018, 30, 170-179.	1.5	33
138	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
139	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
140	3D-Printed Microfluidic Device Based on Cotton Threads for Amperometric Estimation of Antioxidants in Wine Samples. Electroanalysis, 2018, 30, 101-108.	1.5	33
141	Combination of electrochemical biosensor and textile threads: A microfluidic device for phenol determination in tap water. Biosensors and Bioelectronics, 2018, 99, 382-388.	5.3	82
142	Molecular-Level CuS@S Hybrid Nanosheets Constructed by Mineral Chemistry for Energy Storage Systems. ACS Applied Materials & Interfaces, 2018, 10, 43669-43681.	4.0	32
143	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
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