

# James Davis

## List of Publications by Year in descending order

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170  
papers

5,475  
citations

109321

35  
h-index

95266

68  
g-index

173  
all docs

173  
docs citations

173  
times ranked

5819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and determination of nitrate and nitrite: a review. <i>Talanta</i> , 2001, 54, 785-803.	5.5	733
2	Analytical strategies for the detection of sulfide: a review. <i>Talanta</i> , 2000, 52, 771-784.	5.5	336
3	Electrochemical detection of nitrate and nitrite at a copper modified electrode. <i>Analyst, The</i> , 2000, 125, 737-742.	3.5	240
4	Electrochemical Determination of Thiols: A Perspective. <i>Electroanalysis</i> , 2002, 14, 89-98.	2.9	183
5	Electroanalytical methods for the determination of sulfite in food and beverages. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 589-598.	11.4	174
6	The Electrochemical Analog of the Methylene Blue Reaction: A Novel Amperometric Approach to the Detection of Hydrogen Sulfide. <i>Electroanalysis</i> , 2000, 12, 1453-1460.	2.9	173
7	Iodinated cyanine dyes: a new class of sensitizers for use in NIR activated photodynamic therapy (PDT). <i>Chemical Communications</i> , 2017, 53, 2009-2012.	4.1	143
8	New Developments in Smart Bandage Technologies for Wound Diagnostics. <i>Advanced Materials</i> , 2016, 28, 5732-5737.	21.0	123
9	Sonoelectrochemically enhanced nitrite detection. <i>Analytica Chimica Acta</i> , 2000, 404, 241-247.	5.4	114
10	Electrochemical detection of thiols in biological media. <i>Talanta</i> , 2001, 53, 1089-1094.	5.5	112
11	Approaching intelligent infection diagnostics: Carbon fibre sensor for electrochemical pyocyanin detection. <i>Bioelectrochemistry</i> , 2010, 77, 114-119.	4.6	112
12	Electrochemically initiated 1,4 additions: a versatile route to the determination of thiols. <i>Analytica Chimica Acta</i> , 2001, 447, 1-10.	5.4	99
13	Advances in the Voltammetric Analysis of Small Biologically Relevant Compounds. <i>Analytical Biochemistry</i> , 2002, 303, 1-16.	2.4	92
14	One-Step Hydrothermal Synthesis of Phase-Engineered MoS <sub>2</sub> /MoO <sub>3</sub> Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Nano Materials</i> , 2021, 4, 2642-2656.	5.0	78
15	Elements of biosensor construction. <i>Enzyme and Microbial Technology</i> , 1995, 17, 1030-1035.	3.2	73
16	Electroanalytical exploitation of quinone-thiol interactions: application to the selective determination of cysteine. <i>Analyst, The</i> , 2001, 126, 353-357.	3.5	70
17	Manganese detection in marine sediments: anodic vs. cathodic stripping voltammetry. <i>Talanta</i> , 2005, 65, 423-429.	5.5	67
18	Fabrication and electrochemical characterization of polydopamine redox polymer modified screen-printed carbon electrode for the detection of guanine. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 528-534.	7.8	61

#	ARTICLE	IF	CITATIONS
19	On-line Determination of Sulfide by the "Methylene Blue Method"™ With Diode-laser-based Fluorescence Detection. <i>Analyst, The</i> , 1997, 122, 1555-1557.	3.5	60
20	A disposable sensor for point of care wound pH monitoring. <i>Analyst, The</i> , 2011, 136, 4692.	3.5	57
21	Current strategies in nitrite detection and their application to field analysis The opinions expressed in the following article are entirely those of the authors and do not necessarily represent the views of The Royal Society of Chemistry, the Editor or the Editorial Board of JEM.. <i>Journal of Environmental Monitoring</i> , 2002, 4, 465-471.	2.1	55
22	Cathodic Reduction of Bisulfite and Sulfur Dioxide in Aqueous Solutions on Copper Electrodes: An Electrochemical ESR Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18500-18506.	2.6	55
23	Selective determination of thiols: a novel electroanalytical approach. <i>Analyst, The</i> , 2000, 125, 661-663.	3.5	53
24	A comparison of different types of gold-carbon composite electrode for detection of arsenic(III). <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 979-985.	3.7	51
25	A novel electroreduction strategy for the determination of sulfite. <i>Analyst, The</i> , 2005, 130, 1343.	3.5	50
26	Bioelectroanalytical determination of phosphate: A review. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 1-8.	1.8	48
27	Modification of catechol polymer redox properties during electropolymerization in the presence of aliphatic amines. <i>Electrochimica Acta</i> , 1998, 43, 291-300.	5.2	46
28	Review: Targeting therapeutics against glutathione depletion in diabetes and its complications. <i>British Journal of Diabetes and Vascular Disease</i> , 2007, 7, 258-265.	0.6	46
29	Evaluation of phenolic assays for the detection of nitrite. <i>Talanta</i> , 1999, 50, 103-112.	5.5	44
30	Electrochemical Detection of Nitrate at a Copper Modified Electrode Under the Influence of Ultrasound. <i>Electroanalysis</i> , 2000, 12, 1363-1367.	2.9	44
31	Electrochemical detection of aniline: an electrochemically initiated reaction pathway. <i>Talanta</i> , 2002, 57, 233-242.	5.5	42
32	Diagnostic Implications of Uric Acid in Electroanalytical Measurements. <i>Electroanalysis</i> , 2005, 17, 1233-1243.	2.9	41
33	<i>Clostridium isatidis</i> colonised carbon electrodes: voltammetric evidence for direct solid state redox processes. <i>New Journal of Chemistry</i> , 2000, 24, 179-181.	2.8	38
34	The determination of disulphide species within physiological fluids. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 807-815.	11.4	38
35	Gold nanoparticle modified screen-printed carbon arrays for the simultaneous electrochemical analysis of lead and copper in tap water. <i>Mikrochimica Acta</i> , 2016, 183, 2361-2368.	5.0	38
36	An electrochemical adaptation of Ellman's test. <i>Analyst, The</i> , 2002, 127, 797-802.	3.5	36

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37	A non-enzymatic sensor based on the redox of ferrocene carboxylic acid on ionic liquid film-modified screen-printed graphite electrode for the analysis of hydrogen peroxide residues in milk. <i>Journal of Electroanalytical Chemistry</i> , 2016, 766, 147-151.	3.8	36
38	Electrochemically Driven Derivatisation-Detection of Cysteine. <i>Mikrochimica Acta</i> , 2001, 137, 87-91.	5.0	33
39	Enhanced Electrochemical Detection of Nitrite and Nitrite at a Cu-30Ni Alloy Electrode. <i>Analytical Letters</i> , 2000, 33, 3127-3136.	1.8	32
40	Spectroscopic Evaluation of Protein Affinity Binding at Polymeric Biosensor Films. <i>Journal of the American Chemical Society</i> , 1999, 121, 4302-4303.	13.7	31
41	Electrochemical detection of sulphide: a novel dual flow cell. <i>Sensors and Actuators B: Chemical</i> , 2000, 69, 189-192.	7.8	31
42	Sonoelectrochemically enhanced determination of 5-aminosalicylic acid. <i>Talanta</i> , 2001, 54, 871-877.	5.5	31
43	Voltammetric investigation of hair dye constituents: application to the quantification of p-phenylenediamine. <i>Analyst, The</i> , 2001, 126, 1897-1900.	3.5	31
44	Investigating the use of endogenous quinoid moieties on carbon fibre as means of developing micro pH sensors. <i>Materials Science and Engineering C</i> , 2014, 43, 533-537.	7.3	30
45	A Voltammetric Sensor Based on Chemically Reduced Graphene Oxide-Modified Screen-Printed Carbon Electrode for the Simultaneous Analysis of Uric Acid, Ascorbic Acid and Dopamine. <i>Chemosensors</i> , 2016, 4, 25.	3.6	30
46	Electrochemical tagging of urate: developing new redox probes. <i>Analyst, The</i> , 2003, 128, 811.	3.5	29
47	Rapid determination of salicylic acid at screen printed electrodes. <i>Microchemical Journal</i> , 2018, 137, 71-77.	4.5	29
48	Transdermal microneedle sensor arrays based on palladium: Polymer composites. <i>Electrochemistry Communications</i> , 2016, 72, 162-165.	4.7	28
49	A reagentless renewable N,N-diphenyl-p-phenylenediamine loaded sensor for hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2002, 87, 33-40.	7.8	27
50	Integrated urate sensors for detecting wound infection. <i>Electrochemistry Communications</i> , 2008, 10, 709-713.	4.7	27
51	Sulfite Determination at In Situ Plated Copper Modified Gold Ultramicroelectrode Arrays. <i>Electroanalysis</i> , 2006, 18, 247-252.	2.9	26
52	Electrochemical approaches to the development of smart bandages: A mini-review. <i>Electrochemistry Communications</i> , 2014, 40, 96-99.	4.7	26
53	Design of composite microneedle sensor systems for the measurement of transdermal pH. <i>Materials Chemistry and Physics</i> , 2019, 227, 340-346.	4.0	26
54	Potentiometric detection of thiols: a mechanistic evaluation of quinone-thiol interactions. <i>Electrochemistry Communications</i> , 2003, 5, 732-736.	4.7	25

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55	Development of a Disposable Potentiometric Sensor for the Near Patient Testing of Plasma Thiol Concentrations. <i>Analytical Chemistry</i> , 2004, 76, 3833-3836.	6.5	25
56	Laser induced graphene sensors for assessing pH: Application to wound management. <i>Electrochemistry Communications</i> , 2021, 123, 106914.	4.7	25
57	Electrochemically Initiated 1,4-Nucleophilic Substitutions:A General Strategy for the Analytical Detection of Hydrogen Sulfide. <i>Electroanalysis</i> , 2001, 13, 432-436.	2.9	24
58	Carbon Fibre Composites: Integrated Electrochemical Sensors for Wound Management. <i>Journal of Biochemistry</i> , 2008, 144, 87-93.	1.7	24
59	Electrochemically Controlled Dissolution of Nanocarbonâ€“Cellulose Acetate Phthalate Microneedle Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35540-35547.	8.0	24
60	Self-aligned TiO <sub>2</sub> - Photo reduced graphene oxide hybrid surface for smart bandage application. <i>Applied Surface Science</i> , 2019, 488, 261-268.	6.1	24
61	Ultra-sensitive detection of l-tyrosine using molecularly imprinted electrochemical sensor towards diabetic foot ulcer detection. <i>Electrochemistry Communications</i> , 2020, 117, 106782.	4.7	24
62	Mini-Review: Assessing the Potential Impact of Microneedle Technologies on Home Healthcare Applications. <i>Medicines (Basel, Switzerland)</i> , 2018, 5, 50.	1.4	23
63	Size-dependent stability of ultra-small $\beta$ -phase tin nanocrystals synthesized by microplasma. <i>Nature Communications</i> , 2019, 10, 817.	12.8	23
64	A mechanistic evaluation of the amperometric response of reduced thiols in quinone mediated systems. <i>Analytica Chimica Acta</i> , 2003, 491, 203-210.	5.4	22
65	Evaluation of a novel pad printing technique for the fabrication of disposable electrode assemblies. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 491-496.	7.8	22
66	Modulation of ROS production in photodynamic therapy using a pH controlled photoinduced electron transfer (PET) based sensitiser. <i>Chemical Communications</i> , 2015, 51, 16832-16835.	4.1	22
67	New directions for carbon-based detectors: exploiting the versatility of carbon substrates in electroanalysis. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1245-1254.	2.5	21
68	Molecular Wiring in Smart Dressings: Opening a New Route to Monitoring Wound pH. <i>Healthcare (Switzerland)</i> , 2015, 3, 466-477.	2.0	21
69	Molecular anchorsâ€”mimicking metabolic processes in thiol analysis. <i>New Journal of Chemistry</i> , 2006, 30, 1718-1724.	2.8	20
70	SONOELECTROCHEMICAL DETECTION OF COPPER WITHIN INDUSTRIAL EFFLUENT: A CRITICAL ASSESSMENT. <i>Analytical Letters</i> , 2001, 34, 2375-2390.	1.8	19
71	Laser-anodised carbon fibre: Coupled activation and patterning of sensor substrates. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2932-2935.	4.0	19
72	Bioanalytical utility of sonovoltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 995-1001.	2.8	18

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73	Polypyrrole Coated Mercury Film Electrodes for Sono-ASV Analysis of Cadmium and Lead. <i>Electroanalysis</i> , 2001, 13, 7-12.	2.9	18
74	Cathodic stripping voltammetry of nickel: sonoelectrochemical exploitation of the Ni(III)/Ni(II) couple. <i>Talanta</i> , 2002, 57, 1045-1051.	5.5	17
75	Potentiometric Differentiation of Mono- and Macromolecular Thiol within Human Plasma at Carbon Fiber Electrodes. <i>Journal of the American Chemical Society</i> , 2004, 126, 7732-7733.	13.7	17
76	Ultrasonic exfoliation of carbon fiber: electroanalytical perspectives. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 383-394.	2.9	17
77	Ultrasonic extraction of iron from non-aqueous liquids. <i>Analyst, The</i> , 2002, 127, 8-10.	3.5	16
78	Immunochemical Assays and Nucleic-Acid Detection Techniques for Clinical Diagnosis of Prostate Cancer. <i>Journal of Cancer</i> , 2016, 7, 523-531.	2.5	16
79	Evaluation of a multifunctional indicator for the electroanalytical determination of nitrite. <i>Electrochimica Acta</i> , 2005, 50, 1879-1884.	5.2	15
80	Synthesis and characterisation of water soluble ferrocenes: Molecular tuning of redox potentials. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5173-5182.	1.8	15
81	Covert Approaches to Countering Adult Chemophobia. <i>Journal of Chemical Education</i> , 2008, 85, 379.	2.3	15
82	Wound diagnostics: Deploying electroanalytical strategies for point of care sensors and smart dressings. <i>Current Opinion in Electrochemistry</i> , 2017, 3, 40-45.	4.8	15
83	Sensor systems for bacterial reactors: A new flavin-phenol composite film for the in situ voltammetric measurement of pH. <i>Analytica Chimica Acta</i> , 2018, 1027, 1-8.	5.4	15
84	Adapting resistive sensors for monitoring moisture in smart wound dressings. <i>Current Opinion in Electrochemistry</i> , 2020, 23, 31-35.	4.8	15
85	XPS assaying of electrodeposited copolymer composition to optimise sensor materials. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 121, 131-148.	1.7	14
86	Laser patterned carbon-polyethylene mesh electrodes for wound diagnostics. <i>Materials Chemistry and Physics</i> , 2014, 143, 991-995.	4.0	14
87	Minimising Blood Stream Infection: Developing New Materials for Intravascular Catheters. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 49.	1.4	14
88	Characterisation of carbon fibre composites for decentralised biomedical testing. <i>Materials Chemistry and Physics</i> , 2006, 97, 267-272.	4.0	13
89	Bromide-sulfur interchange: Ion chromatographic determination of total reduced thiol levels in plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 864, 173-177.	2.3	13
90	Atmospheric pressure plasma treated carbon fibre weave: A flexible approach to wound monitoring. <i>Electrochemistry Communications</i> , 2013, 33, 99-101.	4.7	13

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91	Salicylate Poisoning Potential of Topical Pain Relief Agents: From Age Old Remedies to Engineered Smart Patches. <i>Medicines (Basel, Switzerland)</i> , 2017, 4, 48.	1.4	13
92	Enhanced incorporation of phenazine redox groups during the electropolymerisation of phenylene-1,2-diamine: Application to cytochrome c reduction. <i>Electrochimica Acta</i> , 1996, 41, 2375-2379.	5.2	12
93	Sono-anodic stripping voltammetric determination of cadmium in the presence of surfactant. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 368, 415-417.	1.5	12
94	Green Approaches to Field Nitrate Analysis: An Electroanalytical Perspective. <i>Electroanalysis</i> , 2009, 21, 789-796.	2.9	12
95	Epoxideâ€“quinone transformations: Multi-parametric indicators for assessing animal welfare. <i>Electrochemistry Communications</i> , 2009, 11, 1555-1558.	4.7	12
96	An Electroanalytical Paper-Based Wound Dressing Using ZIF-67/C <sub>3</sub> N <sub>4</sub> Nanocomposite Towards the Monitoring of <i>Staphylococcus Aureus</i> in Diabetic Foot Ulcer. <i>IEEE Sensors Journal</i> , 2021, 21, 1215-1221.	4.7	12
97	Ephedrineâ€“copperâ€“carbon interactions: An electroanalytical investigation. <i>Electrochemistry Communications</i> , 2006, 8, 633-637.	4.7	11
98	Plumbagin: A New Route to the Electroanalytical Determination of Cystine. <i>Electroanalysis</i> , 2010, 22, 2491-2495.	2.9	11
99	Microneedle array sensors based on carbon nanoparticle composites: interfacial chemistry and electroanalytical properties. <i>Journal of Materials Science</i> , 2019, 54, 10705-10714.	3.7	11
100	Electroanalytical Sensor for Diabetic Foot Ulcer Monitoring with Integrated Electronics for Connected Health Application. <i>Electroanalysis</i> , 2020, 32, 2082-2089.	2.9	11
101	Detection of Sulfite via the Trapping and Subsequent Electrochemical Detection of Hydrogen Sulfide. <i>Mikrochimica Acta</i> , 2001, 137, 105-110.	5.0	10
102	Electrochemically Initiated Reactions of Diphenylamines with Sulfide: Application to the Voltammetric Detection of Hydrogen Sulfide. <i>Electroanalysis</i> , 2001, 13, 143-148.	2.9	10
103	Molecular sieving of anti-oxidants at a copperâ€“carbon laminate assembly. <i>Electrochemistry Communications</i> , 2005, 7, 500-504.	4.7	10
104	Clinical diagnostics for homocysteine: a rogue amino acid?. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 489-500.	3.1	10
105	Plumbagin: a natural product for smart materials?. <i>New Journal of Chemistry</i> , 2010, 34, 395.	2.8	10
106	Nanostructuring carbon fibre probes for use in central venous catheters. <i>Analytica Chimica Acta</i> , 2014, 812, 1-5.	5.4	10
107	Disposable solid state pH sensor based on flavin polymer-ferrocyanide redox couples. <i>Microchemical Journal</i> , 2018, 139, 210-215.	4.5	10
108	Assessing microbial water quality: Electroanalytical approaches to the detection of coliforms. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 121, 115670.	11.4	10

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109	Carbonâ€‘epoxy electrodes: unambiguous identification of authentic triple-phase (insulator/solution/electrode) processes Electronic supplementary information (ESI) available: AFM image of the carbonâ€‘epoxy electrode. See <a href="http://www.rsc.org/suppdata/cc/b2/b201506b/">http://www.rsc.org/suppdata/cc/b2/b201506b/</a> . <i>Chemical Communications</i> , 2002, , 1028-1029.	4.1	9
110	Theory of cyclic voltammetry in tubular electrodes under no flow conditions. <i>Journal of Electroanalytical Chemistry</i> , 2006, 587, 56-59.	3.8	9
111	Synthesis of Acridineâ€‘Quinone Systemsâ€‘A Potential Electrochemical Fluorescent Switch. <i>Synthetic Communications</i> , 2008, 38, 3447-3455.	2.1	9
112	Origami: a versatile modeling system for visualising chemical structure and exploring molecular function. <i>Chemistry Education Research and Practice</i> , 2010, 11, 43-47.	2.5	9
113	Plasma-Polyplumbagin-Modified Microfiber Probes: A Functional Material Approach to Monitoring Vascular Access Line Contamination. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9367-9371.	8.0	9
114	Simultaneous electrochemical determination of dopamine and 5-hydroxyindoleacetic acid in urine using a screen-printed graphite electrode modified with gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, , 1.	3.7	9
115	Stability of Mercury Film Electrodes under the Influence of High Frequency (500kHz) Ultrasound. <i>Journal of Applied Electrochemistry</i> , 2001, 31, 475-480.	2.9	8
116	Selective Potentiometric Measurement of Physiologically Significant Thiols. <i>Electroanalysis</i> , 2005, 17, 205-209.	2.9	8
117	Laser etched carbon fibre composites: Disposable detectors for flow analysis applications. <i>Electrochemistry Communications</i> , 2006, 8, 1315-1320.	4.7	8
118	Rapid assessment of the latent hazard posed by dissolved mercaptans within aqueous effluent. <i>Journal of Hazardous Materials</i> , 2008, 154, 444-450.	12.4	8
119	Electrochemical Actuators: Controlled Drug Release Strategies for use in Micro Devices. <i>Electroanalysis</i> , 2015, 27, 872-878.	2.9	8
120	An Enhanced Chromatographic Technique for the Preparative Scale Purification of Acetyl Ferrocene. <i>Journal of Chemical Education</i> , 1995, 72, 266.	2.3	7
121	A clinical assessment of direct electrochemical urate measurements. <i>Talanta</i> , 2006, 68, 1463-1468.	5.5	7
122	A chromatographic tool for preparing combinatorial quinoneâ€‘thiol conjugate libraries. <i>Journal of Proteomics</i> , 2007, 70, 797-802.	2.4	7
123	Butyl grafted polyethylene films doped with carbon black: A foundation for the development of smart bandages. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 764-769.	7.8	7
124	Microneedle Manufacture: Assessing Hazards and Control Measures. <i>Safety</i> , 2017, 3, 25.	1.7	7
125	Composite Microneedle Arrays Modified With Palladium Nanoclusters for Electrocatalytic Detection of Peroxide. , 2019, 3, 1-4.		7
126	Field emission from multiwall carbon nanotubes prepared by electrodeposition without the use of a dispersant. <i>Journal of Vacuum Science &amp; Technology B</i> , 2006, 24, 1362.	1.3	6



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127	Electrochemical bubble rip: A new approach to controlled drug release. <i>Electrochemistry Communications</i> , 2015, 60, 88-91.	4.7	6
128	A wireless smart patch for the controlled repetitive transdermal administration of therapeutic agents. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 24-31.	7.8	6
129	Palladium Nanoneedles on Carbon Fiber: Highly Sensitive Peroxide Detection for Biomedical and Wearable Sensor Applications. <i>IEEE Sensors Journal</i> , 2019, 19, 34-38.	4.7	6
130	Developing Wound Moisture Sensors: Opportunities and Challenges for Laser-Induced Graphene-Based Materials. <i>Journal of Composites Science</i> , 2022, 6, 176.	3.0	6
131	Detection and quantitative determination of catechol derivatives using an iron(III)-ethylenediamine visible absorbance assay. <i>Analytical Proceedings</i> , 1995, 32, 423-426.	0.4	5
132	Electrochemil investigation of the photodecomposition of selected ferrocene derivatives. <i>Electroanalysis</i> , 1997, 9, 650-652.	2.9	5
133	NITRATION: A SELECTIVE ELECTROCHEMICAL LABEL FOR THE DETERMINATION OF ACTIVATED AROMATICS. <i>Analytical Letters</i> , 2002, 35, 339-353.	1.8	5
134	Key neurochemical markers for the prevention of suicide. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1037-1047.	11.4	5
135	Microneedle drug delivery systems: Appraising opportunities for improving safety and assessing areas of concern. <i>Journal of Chemical Health and Safety</i> , 2017, 24, 6-14.	2.1	5
136	Microbial water quality: Voltammetric detection of coliforms based on riboflavin-ferrocyanide redox couples. <i>Electrochemistry Communications</i> , 2019, 101, 99-103.	4.7	5
137	Lasered Graphene Microheaters Modified with Phase-Change Composites: New Approach to Smart Patch Drug Delivery. <i>Micromachines</i> , 2022, 13, 1132.	2.9	5
138	The Preparation of a Novel Polymer Film Based on Salicylaldehyde and its Influence on Aqueous Copper Electrochemistry. <i>Analytical Letters</i> , 1994, 27, 1931-1943.	1.8	4
139	Electrochemical manipulation of localised pH: application to electroanalysis. <i>Journal of Electroanalytical Chemistry</i> , 2002, 520, 13-17.	3.8	4
140	Metabolic mimics: Thiol responsive drug release. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 698-701.	9.4	4
141	Determination of Total Reduced Thiol Levels in Plasma Using a Bromide Substituted Quinone. <i>Electroanalysis</i> , 2007, 19, 2523-2528.	2.9	4
142	Solid state differentiation of plasma thiols using a centrifugally activated mercaptobenzothiazole disulfide exchange indicator. <i>Chemical Communications</i> , 2007, , 592-594.	4.1	3
143	Novel pH sensing redox wire based on a polyamide homopolymer of L-tryptophan. <i>Fibers and Polymers</i> , 2015, 16, 2294-2297.	2.1	3
144	Electrochemically driven reagent release from an electronic suture. <i>Electrochemistry Communications</i> , 2017, 81, 70-73.	4.7	3

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145	Design of a smart sensor mesh for the measurement of pH in ostomy applications. <i>Journal of Materials Science</i> , 2019, 54, 10410-10419.	3.7	3
146	Electrochemically initiated release: exploring new modalities for controlled drug release. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113926.	3.8	3
147	Analytical viewpoint. The cholesterol conundrum. <i>Analytical Proceedings</i> , 1995, 32, 283.	0.4	2
148	Preparation and characterization of a novel redox polymer based on salicyl-N-phenylene-1,4-diamine. <i>Journal of Electroanalytical Chemistry</i> , 1996, 403, 213-218.	3.8	2
149	Electrochemical characterisation of novel water-soluble ruthenocene complexes: An anion-dependent response. <i>Electrochemistry Communications</i> , 2007, 9, 1451-1455.	4.7	2
150	Electrochemical Monitoring of Singlet Oxygen Production. <i>Electroanalysis</i> , 2009, 21, 2293-2296.	2.9	2
151	Electrochemically Modulated Film Permeability: A Functional Film for Controlled Reagent Release. <i>Chemistry Letters</i> , 2009, 38, 968-969.	1.3	2
152	Label-free Detection of Prostate Specific Antigen at a Screen-printed Immunosensor Modified with a Nanostructured Gold Layer. <i>Chemistry Letters</i> , 2017, 46, 1728-1731.	1.3	2
153	Electroanalytical properties of chlorophenol red at disposable carbon electrodes: Implications for <i>Escherichia coli</i> detection. <i>Bioelectrochemistry</i> , 2019, 130, 107321.	4.6	2
154	Electrochemical Determination of Thiols: A Perspective. <i>Electroanalysis</i> , 2002, 14, 89.	2.9	2
155	Exploiting the e-Serialization of nano-fiction to enhance undergraduate health and safety lectures: A back to the future perspective. <i>Journal of Chemical Health and Safety</i> , 2012, 19, 23-28.	2.1	1
156	An electronic approach to minimising moisture-associated skin damage in ostomy patients. <i>Medical Hypotheses</i> , 2015, 85, 192-196.	1.5	1
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