

# James Davis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9232848/publications.pdf>

Version: 2024-02-01

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	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
2	Lasered Graphene Microheaters Modified with Phase-Change Composites: New Approach to Smart Patch Drug Delivery. <i>Micromachines</i> , 2022, 13, 1132.	2.9	5
3	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
4	Laser induced graphene sensors for assessing pH: Application to wound management. <i>Electrochemistry Communications</i> , 2021, 123, 106914.	4.7	25
5	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
6	Laser Induced Graphene: New Sensing Applications. , 2021, , .		0
7	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
8	Minimising Blood Stream Infection: Developing New Materials for Intravascular Catheters. <i>Medicines (Basel, Switzerland)</i> , 2020, 7, 49.	1.4	14
9	Laser Scribed Polyimide as a Platform for Monitoring pH within Smart Bandages. , 2020, , .		0
10	Electroanalytical Sensor for Diabetic Foot Ulcer Monitoring with Integrated Electronics for Connected Health Application. <i>Electroanalysis</i> , 2020, 32, 2082-2089.	2.9	11
11	Adapting resistive sensors for monitoring moisture in smart wound dressings. <i>Current Opinion in Electrochemistry</i> , 2020, 23, 31-35.	4.8	15
12	Electrochemically initiated release: exploring new modalities for controlled drug release. <i>Journal of Electroanalytical Chemistry</i> , 2020, 872, 113926.	3.8	3
13	Ultrasonic exfoliation of carbon fiber: electroanalytical perspectives. <i>Journal of Applied Electrochemistry</i> , 2020, 50, 383-394.	2.9	17
14	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
15	Electrochemically Controlled Dissolution of Nanocarbon@Cellulose Acetate Phthalate Microneedle Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 35540-35547.	8.0	24
16	Composite Microneedle Arrays Modified With Palladium Nanoclusters for Electrocatalytic Detection of Peroxide. , 2019, 3, 1-4.		7
17	Assessing microbial water quality: Electroanalytical approaches to the detection of coliforms. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 121, 115670.	11.4	10
18	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

#	ARTICLE	IF	CITATIONS
19	Self-aligned TiO <sub>2</sub> - Photo reduced graphene oxide hybrid surface for smart bandage application. Applied Surface Science, 2019, 488, 261-268.	6.1	24
20	A wireless smart patch for the controlled repetitive transdermal administration of therapeutic agents. Sensors and Actuators B: Chemical, 2019, 294, 24-31.	7.8	6
21	Design of a smart sensor mesh for the measurement of pH in ostomy applications. Journal of Materials Science, 2019, 54, 10410-10419.	3.7	3
22	Microneedle array sensors based on carbon nanoparticle composites: interfacial chemistry and electroanalytical properties. Journal of Materials Science, 2019, 54, 10705-10714.	3.7	11
23	Microbial water quality: Voltammetric detection of coliforms based on riboflavin-ferrocyanide redox couples. Electrochemistry Communications, 2019, 101, 99-103.	4.7	5
24	Size-dependent stability of ultra-small $\beta$ -phase tin nanocrystals synthesized by microplasma. Nature Communications, 2019, 10, 817.	12.8	23
25	Palladium Nanoneedles on Carbon Fiber: Highly Sensitive Peroxide Detection for Biomedical and Wearable Sensor Applications. IEEE Sensors Journal, 2019, 19, 34-38.	4.7	6
26	Disposable solid state pH sensor based on flavin polymer-ferrocyanide redox couples. Microchemical Journal, 2018, 139, 210-215.	4.5	10
27	Sensor systems for bacterial reactors: A new flavin-phenol composite film for the in situ voltammetric measurement of pH. Analytica Chimica Acta, 2018, 1027, 1-8.	5.4	15
28	Rapid determination of salicylic acid at screen printed electrodes. Microchemical Journal, 2018, 137, 71-77.	4.5	29
29	Mini-Review: Assessing the Potential Impact of Microneedle Technologies on Home Healthcare Applications. Medicines (Basel, Switzerland), 2018, 5, 50.	1.4	23
30	Microneedle drug delivery systems: Appraising opportunities for improving safety and assessing areas of concern. Journal of Chemical Health and Safety, 2017, 24, 6-14.	2.1	5
31	Iodinated cyanine dyes: a new class of sensitizers for use in NIR activated photodynamic therapy (PDT). Chemical Communications, 2017, 53, 2009-2012.	4.1	143
32	Electrochemically driven reagent release from an electronic suture. Electrochemistry Communications, 2017, 81, 70-73.	4.7	3
33	Wound diagnostics: Deploying electroanalytical strategies for point of care sensors and smart dressings. Current Opinion in Electrochemistry, 2017, 3, 40-45.	4.8	15
34	Design of functionalized materials for use in micronanoscale drug delivery devices and smart patches. , 2017, , 183-206.		0
35	Label-free Detection of Prostate Specific Antigen at a Screen-printed Immunosensor Modified with a Nanostructured Gold Layer. Chemistry Letters, 2017, 46, 1728-1731.	1.3	2
36	Salicylate Poisoning Potential of Topical Pain Relief Agents: From Age Old Remedies to Engineered Smart Patches. Medicines (Basel, Switzerland), 2017, 4, 48.	1.4	13

#	ARTICLE	IF	CITATIONS
37	Microneedle Manufacture: Assessing Hazards and Control Measures. <i>Safety</i> , 2017, 3, 25.	1.7	7
38	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
39	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
40	New Developments in Smart Bandage Technologies for Wound Diagnostics. <i>Advanced Materials</i> , 2016, 28, 5732-5737.	21.0	123
41	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
42	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
43	Transdermal microneedle sensor arrays based on palladium: Polymer composites. <i>Electrochemistry Communications</i> , 2016, 72, 162-165.	4.7	28
44	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
45	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
46	Electrochemical Actuators: Controlled Drug Release Strategies for use in Micro Devices. <i>Electroanalysis</i> , 2015, 27, 872-878.	2.9	8
47	Molecular Wiring in Smart Dressings: Opening a New Route to Monitoring Wound pH. <i>Healthcare (Switzerland)</i> , 2015, 3, 466-477.	2.0	21
48	An electronic approach to minimising moisture-associated skin damage in ostomy patients. <i>Medical Hypotheses</i> , 2015, 85, 192-196.	1.5	1
49	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
50	Electrochemical bubble rip: A new approach to controlled drug release. <i>Electrochemistry Communications</i> , 2015, 60, 88-91.	4.7	6
51	Next generation transdermal drug delivery - An electrochemical approach to pH manipulation for controlled release within smart patch technologies. <i>IFMBE Proceedings</i> , 2015, , 919-922.	0.3	1
52	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
53	Nanostructuring carbon fibre probes for use in central venous catheters. <i>Analytica Chimica Acta</i> , 2014, 812, 1-5.	5.4	10
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Laser patterned carbon-polyethylene mesh electrodes for wound diagnostics. <i>Materials Chemistry and Physics</i> , 2014, 143, 991-995.	4.0	14
57	Electrochemical approaches to the development of smart bandages: A mini-review. <i>Electrochemistry Communications</i> , 2014, 40, 96-99.	4.7	26
58	Laser-patterned Composite Carbon Structures for Wound Monitoring Technologies. <i>Chemistry Letters</i> , 2014, 43, 399-401.	1.3	0
59	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
60	Atmospheric pressure plasma treated carbon fibre weave: A flexible approach to wound monitoring. <i>Electrochemistry Communications</i> , 2013, 33, 99-101.	4.7	13
61	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
62	A disposable sensor for point of care wound pH monitoring. <i>Analyst, The</i> , 2011, 136, 4692.	3.5	57
63	Developing a Strategy for the Spatial Localisation and Autonomous Release of Silver Nanoparticles within Smart Implants. <i>International Journal of Electrochemistry</i> , 2011, 2011, 1-4.	2.4	0
64	Engineering a Grimm approach to enhancing student engagement with health and safety lectures: a new perspective on an ancient pedagogy. <i>Engineering Education</i> , 2011, 6, 21-28.	0.3	1
65	Clinical diagnostics for homocysteine: a rogue amino acid?. <i>Expert Review of Molecular Diagnostics</i> , 2010, 10, 489-500.	3.1	10
66	Plumbagin: A New Route to the Electroanalytical Determination of Cystine. <i>Electroanalysis</i> , 2010, 22, 2491-2495.	2.9	11
67	A novel approach to countering COSHH complacency in the lab or the workplace: A generic development kit?. <i>Journal of Chemical Health and Safety</i> , 2010, 17, 16-20.	2.1	0
68	Approaching intelligent infection diagnostics: Carbon fibre sensor for electrochemical pyocyanin detection. <i>Bioelectrochemistry</i> , 2010, 77, 114-119.	4.6	112
69	Iontophoresis and Flame Photometry: A Hybrid Interdisciplinary Experiment. <i>Journal of Chemical Education</i> , 2010, 87, 730-731.	2.3	0
70	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
71	Plumbagin: a natural product for smart materials?. <i>New Journal of Chemistry</i> , 2010, 34, 395.	2.8	10
72	Laser Treated Carbon Composites for the Determination of Suicide Biomarkers: Development of a Forensic Diagnosis Device. <i>ECS Transactions</i> , 2009, 19, 49-60.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Bioelectroanalytical determination of phosphate: A review. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 1-8.	1.8	48
74	Green Approaches to Field Nitrate Analysis: An Electroanalytical Perspective. <i>Electroanalysis</i> , 2009, 21, 789-796.	2.9	12
75	Electrochemical Monitoring of Singlet Oxygen Production. <i>Electroanalysis</i> , 2009, 21, 2293-2296.	2.9	2
76	Key neurochemical markers for the prevention of suicide. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1037-1047.	11.4	5
77	Dimethylsubstituted pyrroles: A new approach to protective polymers. <i>Electrochemistry Communications</i> , 2009, 11, 929-932.	4.7	0
78	Epoxideâ€“quinone transformations: Multi-parametric indicators for assessing animal welfare. <i>Electrochemistry Communications</i> , 2009, 11, 1555-1558.	4.7	12
79	Electrochemically Modulated Film Permeability: A Functional Film for Controlled Reagent Release. <i>Chemistry Letters</i> , 2009, 38, 968-969.	1.3	2
80	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
81	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
82	Bromideâ€“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
83	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
84	Integrated urate sensors for detecting wound infection. <i>Electrochemistry Communications</i> , 2008, 10, 709-713.	4.7	27
85	Covert Approaches to Countering Adult Chemophobia. <i>Journal of Chemical Education</i> , 2008, 85, 379.	2.3	15
86	Carbon Fibre Composites: Integrated Electrochemical Sensors for Wound Management. <i>Journal of Biochemistry</i> , 2008, 144, 87-93.	1.7	24
87	Synthesis of Acridineâ€“Quinone Systemsâ€“A Potential Electrochemical Fluorescent Switch. <i>Synthetic Communications</i> , 2008, 38, 3447-3455.	2.1	9
88	Solid state differentiation of plasma thiols using a centrifugally activated mercaptobenzothiazole disulfide exchange indicator. <i>Chemical Communications</i> , 2007, , 592-594.	4.1	3
89	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
90	Determination of Total Reduced Thiol Levels in Plasma Using a Bromide Substituted Quinone. <i>Electroanalysis</i> , 2007, 19, 2523-2528.	2.9	4

#	ARTICLE	IF	CITATIONS
91	Electrochemical characterisation of novel water-soluble ruthenocene complexes: An anion-dependent response. <i>Electrochemistry Communications</i> , 2007, 9, 1451-1455.	4.7	2
92	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
93	A chromatographic tool for preparing combinatorial quinone-thiol conjugate libraries. <i>Journal of Proteomics</i> , 2007, 70, 797-802.	2.4	7
94	Assistive Learning and Research Mentoring Schemes. <i>New Directions in the Teaching of Physical Sciences</i> , 2007, , 45-48.	0.4	1
95	Molecular anchors-mimicking metabolic processes in thiol analysis. <i>New Journal of Chemistry</i> , 2006, 30, 1718-1724.	2.8	20
96	A clinical assessment of direct electrochemical urate measurements. <i>Talanta</i> , 2006, 68, 1463-1468.	5.5	7
97	Ephedrine-copper-carbon interactions: An electroanalytical investigation. <i>Electrochemistry Communications</i> , 2006, 8, 633-637.	4.7	11
98	Laser etched carbon fibre composites: Disposable detectors for flow analysis applications. <i>Electrochemistry Communications</i> , 2006, 8, 1315-1320.	4.7	8
99	Metabolic mimics: Thiol responsive drug release. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 698-701.	9.4	4
100	Theory of cyclic voltammetry in tubular electrodes under no flow conditions. <i>Journal of Electroanalytical Chemistry</i> , 2006, 587, 56-59.	3.8	9
101	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
102	Characterisation of carbon fibre composites for decentralised biomedical testing. <i>Materials Chemistry and Physics</i> , 2006, 97, 267-272.	4.0	13
103	Sulfite Determination at In Situ Plated Copper Modified Gold Ultramicroelectrode Arrays. <i>Electroanalysis</i> , 2006, 18, 247-252.	2.9	26
104	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
105	Molecular sieving of anti-oxidants at a copper-carbon laminate assembly. <i>Electrochemistry Communications</i> , 2005, 7, 500-504.	4.7	10
106	Evaluation of a multifunctional indicator for the electroanalytical determination of nitrite. <i>Electrochimica Acta</i> , 2005, 50, 1879-1884.	5.2	15
107	Selective Potentiometric Measurement of Physiologically Significant Thiols. <i>Electroanalysis</i> , 2005, 17, 205-209.	2.9	8
108	Diagnostic Implications of Uric Acid in Electroanalytical Measurements. <i>Electroanalysis</i> , 2005, 17, 1233-1243.	2.9	41

#	ARTICLE	IF	CITATIONS
109	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
110	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
111	Multilayer Laminated Electrode Assemblies: Integrated Disposable Sampling?Sensing Structures. <i>Analytical Letters</i> , 2005, 38, 2067-2076.	1.8	0
112	Cathodic Reduction of Bisulfite and Sulfur Dioxide in Aqueous Solutions on Copper Electrodes:Â An Electrochemical ESR Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18500-18506.	2.6	55
113	A novel electroreduction strategy for the determination of sulfite. <i>Analyst, The</i> , 2005, 130, 1343.	3.5	50
114	Manganese detection in marine sediments: anodic vs. cathodic stripping voltammetry. <i>Talanta</i> , 2005, 65, 423-429.	5.5	67
115	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
116	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
117	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
118	Potentiometric detection of thiols: a mechanistic evaluation of quinone?thiol interactions. <i>Electrochemistry Communications</i> , 2003, 5, 732-736.	4.7	25
119	Electrochemical tagging of urate: developing new redox probes. <i>Analyst, The</i> , 2003, 128, 811.	3.5	29
120	NITRATION: A SELECTIVE ELECTROCHEMICAL LABEL FOR THE DETERMINATION OF ACTIVATED AROMATICS. <i>Analytical Letters</i> , 2002, 35, 339-353.	1.8	5
121	Carbon?epoxy electrodes: unambiguous identification of authentic triple-phase (insulator/solution/electrode) processesElectronic supplementary information (ESI) available: AFM image of the carbon?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
122	Ultrasonic extraction of iron from non-aqueous liquids. <i>Analyst, The</i> , 2002, 127, 8-10.	3.5	16
123	Current strategies in nitrite detection and their application to field analysisThe 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
124	An electrochemical adaptation of Ellman?TM's test. <i>Analyst, The</i> , 2002, 127, 797-802.	3.5	36
125	Electrochemical detection of aniline: an electrochemically initiated reaction pathway. <i>Talanta</i> , 2002, 57, 233-242.	5.5	42
126	Cathodic stripping voltammetry of nickel: sonoelectrochemical exploitation of the Ni(III)/Ni(II) couple. <i>Talanta</i> , 2002, 57, 1045-1051.	5.5	17



#	ARTICLE	IF	CITATIONS
127	Electrochemical Determination of Thiols: A Perspective. <i>Electroanalysis</i> , 2002, 14, 89-98.	2.9	183
128	Advances in the Voltammetric Analysis of Small Biologically Relevant Compounds. <i>Analytical Biochemistry</i> , 2002, 303, 1-16.	2.4	92
129	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
130	The determination of disulphide species within physiological fluids. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 807-815.	11.4	38
131	Electrochemical manipulation of localised pH: application to electroanalysis. <i>Journal of Electroanalytical Chemistry</i> , 2002, 520, 13-17.	3.8	4
132	Electrochemical Determination of Thiols: A Perspective. <i>Electroanalysis</i> , 2002, 14, 89.	2.9	2
133	Electroanalytical exploitation of quinone-thiol interactions: application to the selective determination of cysteine. <i>Analyst</i> , The, 2001, 126, 353-357.	3.5	70
134	Electrochemical detection of thiols in biological media. <i>Talanta</i> , 2001, 53, 1089-1094.	5.5	112
135	Detection and determination of nitrate and nitrite: a review. <i>Talanta</i> , 2001, 54, 785-803.	5.5	733
136	Sonoelectrochemically enhanced determination of 5-aminosalicylic acid. <i>Talanta</i> , 2001, 54, 871-877.	5.5	31
137	Voltammetric investigation of hair dye constituents: application to the quantification of p-phenylenediamine. <i>Analyst</i> , The, 2001, 126, 1897-1900.	3.5	31
138	SONOELECTROCHEMICAL DETECTION OF COPPER WITHIN INDUSTRIAL EFFLUENT: A CRITICAL ASSESSMENT. <i>Analytical Letters</i> , 2001, 34, 2375-2390.	1.8	19
139	Electrochemically Driven Derivatisation-Detection of Cysteine. <i>Mikrochimica Acta</i> , 2001, 137, 87-91.	5.0	33
140	Detection of Sulfite via the Trapping and Subsequent Electrochemical Detection of Hydrogen Sulfide. <i>Mikrochimica Acta</i> , 2001, 137, 105-110.	5.0	10
141	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
142	Bioanalytical utility of sonovoltammetry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 26, 995-1001.	2.8	18
143	Polypyrrole Coated Mercury Film Electrodes for Sono-ASV Analysis of Cadmium and Lead. <i>Electroanalysis</i> , 2001, 13, 7-12.	2.9	18
144	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

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	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
148	Electrochemical Detection of Nitrate at a Copper Modified Electrode Under the Influence of Ultrasound. <i>Electroanalysis</i> , 2000, 12, 1363-1367.	2.9	44
149	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
150	Sonoelectrochemically enhanced nitrite detection. <i>Analytica Chimica Acta</i> , 2000, 404, 241-247.	5.4	114
151	Electrochemical detection of sulphide: a novel dual flow cell. <i>Sensors and Actuators B: Chemical</i> , 2000, 69, 189-192.	7.8	31
152	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
153	Analytical strategies for the detection of sulfide: a review. <i>Talanta</i> , 2000, 52, 771-784.	5.5	336
154	Enhanced Electrochemical Detection of Nitrite and Nitrite at a Cu-30Ni Alloy Electrode. <i>Analytical Letters</i> , 2000, 33, 3127-3136.	1.8	32
155	Selective determination of thiols: a novel electroanalytical approach. <i>Analyst, The</i> , 2000, 125, 661-663.	3.5	53
156	<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
157	Electrochemical detection of nitrate and nitrite at a copper modified electrode. <i>Analyst, The</i> , 2000, 125, 737-742.	3.5	240
158	Evaluation of phenolic assays for the detection of nitrite. <i>Talanta</i> , 1999, 50, 103-112.	5.5	44
159	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
160	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
161	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
162	Electrochemil investigation of the photodecomposition of selected ferrocene derivatives. <i>Electroanalysis</i> , 1997, 9, 650-652.	2.9	5

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	Elements of biosensor construction. <i>Enzyme and Microbial Technology</i> , 1995, 17, 1030-1035.	3.2	73
166	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
167	Analytical viewpoint. The cholesterol conundrum. <i>Analytical Proceedings</i> , 1995, 32, 283.	0.4	2
168	An Enhanced Chromatographic Technique for the Preparative Scale Purification of Acetyl Ferrocene. <i>Journal of Chemical Education</i> , 1995, 72, 266.	2.3	7
169	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
170	Field emission from multiwall carbon nanotubes prepared by electrodeposition without the use of a dispersant. , 0, , .		0