

Danny O'Hare

List of Publications by Year in descending order

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54
papers

1,484
citations

279487

23
h-index

329751

37
g-index

55
all docs

55
docs citations

55
times ranked

1808
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and rapid determination of serotonin and catecholamines in biological tissue using high-performance liquid chromatography with electrochemical detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 818, 269-276.	1.2	155
2	Microneedle biosensors for real-time, minimally invasive drug monitoring of phenoxymethylpenicillin: a first-in-human evaluation in healthy volunteers. <i>The Lancet Digital Health</i> , 2019, 1, e335-e343.	5.9	96
3	Development of a Minimally Invasive Microneedle-Based Sensor for Continuous Monitoring of \hat{I}^2 -Lactam Antibiotic Concentrations in Vivo. <i>ACS Sensors</i> , 2019, 4, 1072-1080.	4.0	91
4	Molecular methods in electrochemical microRNA detection. <i>Analyst, The</i> , 2019, 144, 114-129.	1.7	75
5	Metal-oxide metal oxide pH sensors for physiological application. <i>Medical Engineering and Physics</i> , 2006, 28, 982-988.	0.8	59
6	Detection of Nitric Oxide Release from Single Neurons in the Pond Snail, <i>Lymnaea stagnalis</i> . <i>Analytical Chemistry</i> , 2006, 78, 7643-7648.	3.2	56
7	Simultaneous Detection of pH Changes and Histamine Release from Oxyntic Glands in Isolated Stomach. <i>Analytical Chemistry</i> , 2008, 80, 8733-8740.	3.2	53
8	ATP microelectrode biosensor for stable long-term in vitro monitoring from gastrointestinal tissue. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2890-2896.	5.3	52
9	Optimizing antimicrobial use: challenges, advances and opportunities. <i>Nature Reviews Microbiology</i> , 2021, 19, 747-758.	13.6	51
10	Angiogenin Induces Nitric Oxide Synthesis in Endothelial Cells through PI-3 and Akt Kinases. <i>Biochemistry</i> , 2010, 49, 3282-3288.	1.2	49
11	On the microelectrode behaviour of graphite-epoxy composite electrodes. <i>Electrochemistry Communications</i> , 2002, 4, 245-250.	2.3	47
12	Lifting the lid on the potentiostat: a beginner's guide to understanding electrochemical circuitry and practical operation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8100-8117.	1.3	44
13	Micro-optical ring electrode: development of a novel electrode for photoelectrochemistry. <i>Analyst, The</i> , 1996, 121, 1779.	1.7	39
14	Towards a minimally invasive device for beta-lactam monitoring in humans. <i>Electrochemistry Communications</i> , 2017, 82, 1-5.	2.3	36
15	Subsecond Voltammetric Separation between Dopamine and Serotonin in the Presence of Ascorbate. <i>Analytical Chemistry</i> , 2006, 78, 6990-6998.	3.2	35
16	Effect of the doping level on the biological stability of hydrogenated boron doped diamond electrodes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5422.	1.3	35
17	Biofouling and in situ electrochemical cleaning of a boron-doped diamond free chlorine sensor. <i>Electrochemistry Communications</i> , 2016, 71, 79-83.	2.3	31
18	Comparative study of poly(styrene-sulfonate)/poly(L-lysine) and fibronectin as biofouling-preventing layers in dissolved oxygen electrochemical measurements. <i>Analyst, The</i> , 2009, 134, 784.	1.7	29

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19	Individually addressable microelectrode array for monitoring oxygen and nitric oxide release. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1379-1387.	1.9	28
20	Integrated potentiostat for electrochemical sensing of urinary 3-hydroxyanthranilic acid with molecularly imprinted poly(ethylene-co-vinyl alcohol). <i>Biosensors and Bioelectronics</i> , 2015, 67, 208-213.	5.3	28
21	Electrochemical sensing of urinary progesterone with molecularly imprinted poly(aniline-co-metanic acid)s. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3782-3787.	2.9	27
22	Microwave Induced Jet Boiling Investigated via Voltammetry at Ring-Disk Microelectrodes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17589-17594.	1.2	25
23	Î±-Lipoic acid and glutathione protect against the prooxidant activity of SOD/catalase mimetic manganese salen derivatives. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 225-232.	1.5	23
24	Synapse-specific changes in serotonin signalling contribute to age-related changes in the feeding behaviour of the pond snail, <i>Lymnaea</i> . <i>Journal of Neurochemistry</i> , 2008, 106, 1699-1709.	2.1	22
25	Thermoset polyester droplet-based microfluidic devices for high frequency generation. <i>Lab on A Chip</i> , 2011, 11, 4108.	3.1	22
26	An iridium oxide microelectrode for monitoring acute local pH changes of endothelial cells. <i>Analyst</i> , 2015, 140, 4224-4231.	1.7	22
27	Electrochemical study of the intracellular transduction of vascular endothelial growth factor induced nitric oxide synthase activity using a multi-channel biocompatible microelectrode array. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 929-936.	1.1	19
28	Microelectrode investigation of neurone ageing from a single identified neurone. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10065.	1.3	19
29	Determination of Kinetic and Thermodynamic Parameters of Surface Confined Species through ac Voltammetry and a Nonstationary Signal Processing Technique: The Hilbert Transform. <i>Analytical Chemistry</i> , 2005, 77, 3357-3364.	3.2	17
30	Self-assembly Synthesis of Molecularly Imprinted Polymers for the Ultrasensitive Electrochemical Determination of Testosterone. <i>Biosensors</i> , 2020, 10, 16.	2.3	17
31	Exhaled breath condensate based breath analyser – a disposable hydrogen peroxide sensor and smart analyser. <i>Analyst</i> , 2020, 145, 3549-3556.	1.7	17
32	Synthetic biology and bioelectrochemical tools for electrogenetic system engineering. <i>Science Advances</i> , 2022, 8, eabm5091.	4.7	17
33	Spatial changes in acid secretion from isolated stomach tissue using a pH-histamine sensing microarray. <i>Analyst</i> , 2010, 135, 482.	1.7	15
34	Angiogenin induces nitric oxide release independently from its RNase activity. <i>Chemical Communications</i> , 2011, 47, 3421.	2.2	14
35	Electrochemical detection of the binding of Bacillus anthracis protective antigen (PA) to the membrane receptor on macrophages through release of nitric oxide. <i>Biosensors and Bioelectronics</i> , 2012, 38, 138-144.	5.3	14
36	Development of inlaid electrodes for whole column electrochemical detection in HPLC. <i>Lab on A Chip</i> , 2009, 9, 2238.	3.1	13

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37	Monolithic nano-porous polymer in microfluidic channels for lab-chip liquid chromatography. <i>Nano Convergence</i> , 2018, 5, 19.	6.3	13
38	Characterization of ac Voltammetric Reaction~Diffusion Dynamics:~ From Patterns to Physical Parameters. <i>Analytical Chemistry</i> , 2006, 78, 4383-4389.	3.2	10
39	Public acceptability of computer-controlled antibiotic management: An exploration of automated dosing and opportunities for implementation. <i>Journal of Infection</i> , 2019, 78, 75-86.	1.7	10
40	Detection Mechanism of Metallized Carbon Epoxy Oxidase Enzyme Based Sensors. <i>Electroanalysis</i> , 2003, 15, 1023-1030.	1.5	8
41	Molecularly imprinted electrochemical sensing of urinary melatonin in a microfluidic system. <i>Biomicrofluidics</i> , 2014, 8, 054115.	1.2	7
42	Integration of monolithic porous polymer with droplet-based microfluidics on a chip for nano/picoliter volume sample analysis. <i>Nano Convergence</i> , 2014, 1, 3.	6.3	7
43	Scaling in Nonstationary Voltammetry Representations. <i>Journal of Physical Chemistry A</i> , 2007, 111, 13053-13060.	1.1	6
44	Nucleic acid sensing via electrochemical oligonucleotide-templated reactions. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112891.	5.3	5
45	Electrochemical detection of cefiderocol for therapeutic drug monitoring. <i>Electrochemistry Communications</i> , 2021, 133, 107147.	2.3	5
46	The Voltammetric Behavior of Superoxide Dismutase/Catalase Mimics. <i>Electroanalysis</i> , 2003, 15, 1101-1107.	1.5	4
47	The Micro-Optical Ring Electrode. 3:~ Transient Photocurrent Studies of Photophysical~Electrochemical and Photophysical~Chemical~Electrochemical Systems~. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16148-16156.	1.2	4
48	An electrochemical functional assay for the sensing of nitric oxide release induced by angiogenic factors. <i>BMB Reports</i> , 2011, 44, 699-704.	1.1	4
49	A Novel Electroactive Polymer for pH~Independent Oxygen Sensing. <i>Electroanalysis</i> , 2015, 27, 2745-2752.	1.5	3
50	Thiol-modified activated carbon material for sensor technology. <i>Materials Today: Proceedings</i> , 2017, 4, 4599-4602.	0.9	2
51	Decreased $14\alpha\text{-E3}$ expression correlates with age~related regional reductions in CNS dopamine and motor function in the pond snail, <i>Lymnaea</i> . <i>European Journal of Neuroscience</i> , 2021, 53, 1394-1411.	1.2	2
52	Microelectrode generator~collector systems for electrolytic titration: theoretical and practical considerations. <i>Analyst</i> , 2017, 142, 4048-4057.	1.7	1
53	Aerosolised fluorescein can quantify FFP mask faceseal leakage: a cost-effective adaptation to the existing point of care fit test. <i>Clinical Medicine</i> , 2021, 21, e263-e268.	0.8	1
54	Recent Developments in Continuous Monitoring Diagnostics with Microneedle Arrays. <i>IFMBE Proceedings</i> , 2020, , 337-339.	0.2	0