Danny O'Hare

List of Publications by Year
in descending order

54 papers	1,484 citations	279798 23 h-index	330143 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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 818, 269-276.	2.3	155
2	Microneedle biosensors for real-time, minimally invasive drug monitoring of phenoxymethylpenicillin: a first-in-human evaluation in healthy volunteers. The Lancet Digital Health, 2019, 1, e335-e343.	12.3	96
3	Development of a Minimally Invasive Microneedle-Based Sensor for Continuous Monitoring of Î²-Lactam Antibiotic Concentrations in Vivo. ACS Sensors, 2019, 4, 1072-1080.	7.8	91
4	Molecular methods in electrochemical microRNA detection. Analyst, The, 2019, 144, 114-129.	3.5	75
5	Metalâ€“metal oxide pH sensors for physiological application. Medical Engineering and Physics, 2006, 28, 982-988.	1.7	59
6	Detection of Nitric Oxide Release from Single Neurons in the Pond Snail,Lymnaeastagnalis. Analytical Chemistry, 2006, 78, 7643-7648.	6.5	56
7	Simultaneous Detection of pH Changes and Histamine Release from Oxyntic Glands in Isolated Stomach. Analytical Chemistry, 2008, 80, 8733-8740.	6.5	53
8	ATP microelectrode biosensor for stable long-term in vitro monitoring from gastrointestinal tissue. Biosensors and Bioelectronics, 2011, 26, 2890-2896.	10.1	52
9	Optimizing antimicrobial use: challenges, advances and opportunities. Nature Reviews Microbiology, 2021, 19, 747-758.	28.6	51
10	Angiogenin Induces Nitric Oxide Synthesis in Endothelial Cells through PI-3 and Akt Kinases. Biochemistry, 2010, 49, 3282-3288.	2.5	49
11	On the microelectrode behaviour of graphiteâ€“epoxy composite electrodes. Electrochemistry Communications, 2002, 4, 245-250.	4.7	47
12	Lifting the lid on the potentiostat: a beginner's guide to understanding electrochemical circuitry and practical operation. Physical Chemistry Chemical Physics, 2021, 23, 8100-8117.	2.8	44
13	Micro-optical ring electrode: development of a novel electrode for photoelectrochemistry. Analyst, The, 1996, 121, 1779.	3.5	39
14	Towards a minimally invasive device for beta-lactam monitoring in humans. Electrochemistry Communications, 2017, 82, 1-5.	4.7	36
15	Subsecond Voltammetric Separation between Dopamine and Serotonin in the Presence of Ascorbate. Analytical Chemistry, 2006, 78, 6990-6998.	6.5	35
16	Effect of the doping level on the biological stability of hydrogenated boron doped diamond electrodes. Physical Chemistry Chemical Physics, 2011, 13, 5422.	2.8	35
17	Biofouling and in situ electrochemical cleaning of a boron-doped diamond free chlorine sensor. Electrochemistry Communications, 2016, 71, 79-83.	4.7	31
18	Comparative study of poly(styrene-sulfonate)/poly(L-lysine) and fibronectin as biofouling-preventing layers in dissolved oxygen electrochemical measurements. Analyst, The, 2009, 134, 784.	3.5	29

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19	Individually addressable microelectrode array for monitoring oxygen and nitric oxide release. Analytical and Bioanalytical Chemistry, 2008, 390, 1379-1387.	3.7	28
20	Integrated potentiostat for electrochemical sensing of urinary 3-hydroxyanthranilic acid with molecularly imprinted poly(ethylene-co-vinyl alcohol). Biosensors and Bioelectronics, 2015, 67, 208-213.	10.1	28
21	Electrochemical sensing of urinary progesterone with molecularly imprinted poly(aniline-co-metanilic acid)s. Journal of Materials Chemistry B, 2016, 4, 3782-3787.	5.8	27
22	Microwave Induced Jet Boiling Investigated via Voltammetry at Ringâ˜Disk Microelectrodes. Journal of Physical Chemistry B, 2006, 110, 17589-17594.	2.6	25
23	Î±-Lipoic acid and glutathione protect against the prooxidant activity of SOD/catalase mimetic manganese salen derivatives. Journal of Inorganic Biochemistry, 2007, 101, 225-232.	3.5	23
24	Synapseâ€specific changes in serotonin signalling contribute to ageâ€related changes in the feeding behaviour of the pond snail, Lymnaea. Journal of Neurochemistry, 2008, 106, 1699-1709.	3.9	22
25	Thermoset polyester droplet-based microfluidic devices for high frequency generation. Lab on A Chip, 2011, 11, 4108.	6.0	22
26	An iridium oxide microelectrode for monitoring acute local pH changes of endothelial cells. Analyst, The, 2015, 140, 4224-4231.	3.5	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. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 929-936.	2.4	19
28	Microelectrode investigation of neuroneal ageing from a single identified neurone. Physical Chemistry Chemical Physics, 2010, 12, 10065.	2.8	19
29	Determination of Kinetic and Thermodynamic Parameters of Surface Confined Species through ac Voltammetry and a Nonstationary Signal Processing Technique:Â The Hilbert Transform. Analytical Chemistry, 2005, 77, 3357-3364.	6.5	17
30	Self-assembly Synthesis of Molecularly Imprinted Polymers for the Ultrasensitive Electrochemical Determination of Testosterone. Biosensors, 2020, 10, 16.	4.7	17
31	Exhaled breath condensate based breath analyser â€“ a disposable hydrogen peroxide sensor and smart analyser. Analyst, The, 2020, 145, 3549-3556.	3.5	17
32	Synthetic biology and bioelectrochemical tools for electrogenetic system engineering. Science Advances, 2022, 8, eabm5091.	10.3	17
33	Spatial changes in acid secretion from isolated stomach tissue using a pH-histamine sensing microarray. Analyst, The, 2010, 135, 482.	3.5	15
34	Angiogenin induces nitric oxide release independently from its RNase activity. Chemical Communications, 2011, 47, 3421.	4.1	14
35	Electrochemical detection of the binding of Bacillus anthracis protective antigen (PA) to the membrane receptor on macrophages through release of nitric oxide. Biosensors and Bioelectronics, 2012, 38, 138-144.	10.1	14
36	Development of inlaid electrodes for whole column electrochemical detection in HPLC. Lab on A Chip, 2009, 9, 2238.	6.0	13

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37	Monolithic nano-porous polymer in microfluidic channels for lab-chip liquid chromatography. Nano Convergence, 2018, 5, 19.	12.1	13
38	Characterization of ac Voltammetric Reactionâ^'Diffusion Dynamics:Â From Patterns to Physical Parameters. Analytical Chemistry, 2006, 78, 4383-4389.	6.5	10
39	Public acceptability of computer-controlled antibiotic management: An exploration of automated dosing and opportunities for implementation. Journal of Infection, 2019, 78, 75-86.	3.3	10
40	Detection Mechanism of Metallized Carbon Epoxy Oxidase Enzyme Based Sensors. Electroanalysis, 2003, 15, 1023-1030.	2.9	8
41	Molecularly imprinted electrochemical sensing of urinary melatonin in a microfluidic system. Biomicrofluidics, 2014, 8, 054115.	2.4	7
42	Integration of monolithic porous polymer with droplet-based microfluidics on a chip for nano/picoliter volume sample analysis. Nano Convergence, 2014, 1, 3.	12.1	7
43	Scaling in Nonstationary Voltammetry Representations. Journal of Physical Chemistry A, 2007, 111, 13053-13060.	2.5	6
44	Nucleic acid sensing via electrochemical oligonucleotide-templated reactions. Biosensors and Bioelectronics, 2021, 176, 112891.	10.1	5
45	Electrochemical detection of cefiderocol for therapeutic drug monitoring. Electrochemistry Communications, 2021, 133, 107147.	4.7	5
46	The Voltammetric Behavior of Superoxide Dismutase/Catalase Mimics. Electroanalysis, 2003, 15, 1101-1107.	2.9	4
47	The Micro-Optical Ring Electrode. 3:Â Transient Photocurrent Studies of Photophysicalâ^'Electrochemical and Photophysicalâ^'Chemicalâ^'Electrochemical Systemsâ€. Journal of Physical Chemistry B, 2006, 110, 16148-16156.	2.6	4
48	An electrochemical functional assay for the sensing of nitric oxide release induced by angiogenic factors. BMB Reports, 2011, 44, 699-704.	2.4	4
49	A Novel Electroactive Polymer for pHâ€independent Oxygen Sensing. Electroanalysis, 2015, 27, 2745-2752.	2.9	3
50	Thiol-modified activated carbon material for sensor technology. Materials Today: Proceedings, 2017, 4, 4599-4602.	1.8	2
51	Decreased 14â€3â€3 expression correlates with ageâ€related regional reductions in CNS dopamine and motor function in the pond snail, Lymnaea. European Journal of Neuroscience, 2021, 53, 1394-1411.	2.6	2
52	Microelectrode generatorâ€"collector systems for electrolytic titration: theoretical and practical considerations. Analyst, The, 2017, 142, 4048-4057.	3.5	1
53	Aerosolised fluorescein can quantify FFP mask faceseal leakage: a cost-effective adaptation to the existing point of care fit test. Clinical Medicine, 2021, 21, e263-e268.	1.9	1
54	Recent Developments in Continuous Monitoring Diagnostics with Microneedle Arrays. IFMBE Proceedings, 2020, , 337-339.	0.3	0