

Aoife Morrin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

3,294
citations

27
h-index

57
g-index

70
ext. papers

3,622
ext. citations

5.1
avg, IF

5.28
L-index

#	Paper	IF	Citations
65	Application of Nanoparticles in Electrochemical Sensors and Biosensors. <i>Electroanalysis</i> , 2006 , 18, 319-326		992
64	Fabrication of an ammonia gas sensor using inkjet-printed polyaniline nanoparticles. <i>Talanta</i> , 2008 , 77, 710-717	6.2	171
63	Advanced printing and deposition methodologies for the fabrication of biosensors and biodevices. <i>Analyst, The</i> , 2010 , 135, 845-67	5	150
62	The application of conducting polymer nanoparticle electrodes to the sensing of ascorbic acid. <i>Analytica Chimica Acta</i> , 2008 , 609, 37-43	6.6	120
61	Enhancement of a conducting polymer-based biosensor using carbon nanotube-doped polyaniline. <i>Analytica Chimica Acta</i> , 2006 , 575, 39-44	6.6	118
60	Nanomaterial-doped conducting polymers for electrochemical sensors and biosensors. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4173-4190	7.3	107
59	Inkjet printable polyaniline nanoformulations. <i>Langmuir</i> , 2007 , 23, 8569-74	4	105
58	Electrochemistry and scanning electron microscopy of polyaniline/peroxidase-based biosensor. <i>Talanta</i> , 2004 , 64, 115-20	6.2	103
57	An aqueous ammonia sensor based on an inkjet-printed polyaniline nanoparticle-modified electrode. <i>Analyst, The</i> , 2008 , 133, 391-9	5	90
56	Fabrication of Polyaniline-Based Gas Sensors Using Piezoelectric Inkjet and Screen Printing for the Detection of Hydrogen Sulfide. <i>IEEE Sensors Journal</i> , 2010 , 10, 1419-1426	4	89
55	Electrochemical Characterization of Commercial and Home-Made Screen-Printed Carbon Electrodes. <i>Analytical Letters</i> , 2003 , 36, 2021-2039	2.2	84
54	An Amperometric Enzyme Biosensor Fabricated from Polyaniline Nanoparticles. <i>Electroanalysis</i> , 2005 , 17, 423-430	3	83
53	Novel biosensor fabrication methodology based on processable conducting polyaniline nanoparticles. <i>Electrochemistry Communications</i> , 2005 , 7, 317-322	5.1	82
52	The fabrication and characterization of inkjet-printed polyaniline nanoparticle films. <i>Electrochimica Acta</i> , 2008 , 53, 5092-5099	6.7	73
51	A review of ratiometric electrochemical sensors: From design schemes to future prospects. <i>Sensors and Actuators B: Chemical</i> , 2018 , 274, 501-516	8.5	66
50	Reactive inkjet printing. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10965		63
49	Wholly printed polypyrrole nanoparticle-based biosensors on flexible substrate. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 793-799	7.3	57

48	Printing polyaniline for sensor applications. <i>Chemical Papers</i> , 2013 , 67,	1.9	54
47	Development and application of a poly(2,2'-dithiodianiline) (PDTDA)-coated screen-printed carbon electrode in inorganic mercury determination. <i>Electrochimica Acta</i> , 2010 , 55, 4240-4246	6.7	53
46	Electro-stimulated release from a reduced graphene oxide composite hydrogel. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 2530-2537	7.3	41
45	Electrochemical preparation of distinct polyaniline nanostructures by surface charge control of polystyrene nanoparticle templates. <i>Chemical Communications</i> , 2007 , 3207-9	5.8	36
44	In situ electropolymerised silica-polyaniline core-shell structures: Electrode modification and enzyme biosensor enhancement. <i>Electrochimica Acta</i> , 2007 , 52, 1865-1870	6.7	36
43	Characterisation of horseradish peroxidase immobilisation on an electrochemical biosensor by colorimetric and amperometric techniques. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 715-20	11.8	35
42	An HRP based biosensor using sulphonated polyaniline. <i>Synthetic Metals</i> , 2005 , 153, 185-188	3.6	34
41	Electrochemical nitrite nanosensor developed with amine- and sulphate-functionalised polystyrene latex beads self-assembled on polyaniline. <i>Electrochimica Acta</i> , 2010 , 55, 4274-4280	6.7	28
40	Determination of inorganic mercury using a polyaniline and polyaniline-methylene blue coated screen-printed carbon electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2010 , 90, 671-685	1.8	27
39	Nanocauliflowers: A Nanostructured Polyaniline-Modified Screen-Printed Electrode with a Self-Assembled Polystyrene Template and Its Application in an Amperometric Enzyme Biosensor. <i>Electroanalysis</i> , 2007 , 19, 876-883	3	26
38	Electrocatalytic sensor devices: (I) cyclopentadienylnickel(II) thiolato Schiff base monolayer self-assembled on gold. <i>Talanta</i> , 2004 , 64, 30-8	6.2	22
37	Biomedical Diagnostics Enabled by Integrated Organic and Printed Electronics. <i>Analytical Chemistry</i> , 2017 , 89, 7447-7454	7.8	21
36	Paper based electronic tongue - a low-cost solution for the distinction of sugar type and apple juice brand. <i>Analyst, The</i> , 2019 , 144, 2827-2832	5	20
35	Screen-printed Tattoo Sensor towards the Non-invasive Assessment of the Skin Barrier. <i>Electroanalysis</i> , 2017 , 29, 188-196	3	18
34	Probing skin physiology through the volatile footprint: Discriminating volatile emissions before and after acute barrier disruption. <i>Experimental Dermatology</i> , 2017 , 26, 919-925	4	17
33	The Fabrication of Structurally Multiordered Polyaniline Films and Their Application in Electrochemical Sensing and Biosensing. <i>Electroanalysis</i> , 2009 , 21, 595-603	3	17
32	Chronocoulometric determination of urea in human serum using an inkjet printed biosensor. <i>Analytica Chimica Acta</i> , 2011 , 697, 98-102	6.6	16
31	Inkjet printable polyaniline-gold dispersions. <i>Thin Solid Films</i> , 2011 , 519, 4351-4356	2.2	16

30	A colorimetric method for use within portable test kits for nitrate determination in various water matrices. <i>Analytical Methods</i> , 2017 , 9, 680-687	3.2	14
29	Impedimetric transduction of swelling in pH-responsive hydrogels. <i>Analyst, The</i> , 2015 , 140, 3003-11	5	14
28	Enhanced electrochemical reduction of hydrogen peroxide on silver paste electrodes modified with surfactant and salt. <i>Electrochimica Acta</i> , 2011 , 56, 4146-4153	6.7	14
27	Endogenous and microbial volatile organic compounds in cutaneous health and disease. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 111, 163-172	14.6	14
26	Enhanced electrochemical reduction of hydrogen peroxide at metallic electrodes modified with surfactant and salt. <i>Electrochimica Acta</i> , 2011 , 58, 562-570	6.7	11
25	Non-Invasive Assessment of Skin Barrier Properties: Investigating Emerging Tools for In Vitro and In Vivo Applications. <i>Cosmetics</i> , 2017 , 4, 44	2.7	10
24	Robust epidermal tattoo electrode platform for skin physiology monitoring. <i>Analytical Methods</i> , 2019 , 11, 1460-1468	3.2	9
23	Inverse-Opal Conducting Polymer Monoliths in Microfluidic Channels. <i>Electroanalysis</i> , 2012 , 24, 1318-1323		9
22	A sensor probe for the continuous in situ monitoring of ammonia leakage in secondary refrigerant systems. <i>Analytical Methods</i> , 2013 , 5, 134-140	3.2	8
21	Development and Characterization of Nickel-NTA-Polyaniline Modified Electrodes. <i>Electroanalysis</i> , 2006 , 18, 77-81	3	8
20	Headspace Solid-Phase Microextraction Gas Chromatography-Mass Spectrometry Analysis of Scent Profiles from Human Skin. <i>Cosmetics</i> , 2018 , 5, 62	2.7	8
19	Fabrication of homogenous three dimensionally ordered conducting polymer/polystyrene opal structures in microfluidic channels. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6004-6009	7.1	6
18	Colorimetric Sensing of Volatile Organic Compounds Produced from Heated Cooking Oils. <i>ACS Omega</i> , 2021 , 6, 7394-7401	3.9	6
17	Preparation and electrochemical sensing application of porous conducting polymers. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 135, 116155	14.6	6
16	Microfluidic thin-layer flow cell for conducting polymer growth and electroanalysis. <i>Electrochimica Acta</i> , 2013 , 104, 236-241	6.7	5
15	The Rediscovery of Honey for Skin Repair: Recent Advances in Mechanisms for Honey-Mediated Wound Healing and Scaffolded Application Techniques. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5192	2.6	5
14	Fabrication of chemical sensors using inkjet printing and application to gas detection 2008 ,		4
13	Multi-strain volatile profiling of pathogenic and commensal cutaneous bacteria. <i>Scientific Reports</i> , 2020 , 10, 17971	4.9	4

12	Development and characterisation of switchable polyaniline-functionalised flow-through capillary monoliths. <i>RSC Advances</i> , 2014 , 4, 43934-43941	3.7	3
11	Characterization of Immunological Interactions at an Immuno-electrode by Scanning Electron Microscopy. <i>Electroanalysis</i> , 2007 , 19, 244-252	3	3
10	Inkjet Printed Electrochemical Sensors. <i>Advanced Micro & Nanosystems</i> , 295-311		3
9	Electrostatically modulated magnetophoretic transport of functionalised iron-oxide nanoparticles through hydrated networks. <i>Nanoscale</i> , 2020 , 12, 10550-10558	7.7	2
8	Fabrication of a 3-dimensional nanostructured binary colloidal crystal within a confined channel. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 211-7	9.3	2
7	An Investigation of Stability and Species and Strain-Level Specificity in Bacterial Volatilomes. <i>Frontiers in Microbiology</i> , 2021 , 12, 693075	5.7	2
6	Monitoring of Particulate Matter Emissions from 3D Printing Activity in the Home Setting. <i>Sensors</i> , 2021 , 21,	3.8	2
5	Organic Phase Cyclopentadienylnickelthiolate Sensor System for Electrochemical Determination of Sulfur Dioxide. <i>Electroanalysis</i> , 2004 , 16, 1944-1948	3	1
4	Investigation of the relationship between skin-emitted volatile fatty acids and skin surface acidity in healthy participants - a pilot study. <i>Journal of Breath Research</i> , 2021 ,	3.1	1
3	Development of dynamic cell and organotypic skin models, for the investigation of a novel visco-elastic burns treatment using molecular and cellular approaches. <i>Burns</i> , 2020 , 46, 1585-1602	2.3	0
2	Visualising household air pollution: Colorimetric sensor arrays for monitoring volatile organic compounds indoors. <i>PLoS ONE</i> , 2021 , 16, e0258281	3.7	
1	Multi-Strain and -Species Investigation of Volatile Metabolites Emitted from Planktonic and Biofilm Candida Cultures. <i>Metabolites</i> , 2022 , 12, 432	5.6	