

Lynn Dennany

List of Publications by Year in descending order

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71
papers

2,026
citations

218381

26
h-index

243296

44
g-index

71
all docs

71
docs citations

71
times ranked

2216
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Direct Electrochemiluminescence and Catalytic Voltammetry Detection of DNA in Ultrathin Films. <i>Journal of the American Chemical Society</i> , 2003, 125, 5213-5218.	6.6	240
2	Direct Electrochemiluminescence Detection of Oxidized DNA in Ultrathin Films Containing [Os(bpy) ₂ (PVP) ₁₀] ²⁺ . <i>Journal of the American Chemical Society</i> , 2004, 126, 8835-8841.	6.6	121
3	Whole Blood Electrochemiluminescent Detection of Dopamine. <i>Analytical Chemistry</i> , 2015, 87, 11847-11853.	3.2	106
4	A Multiswitchable Poly(terthiophene) Bearing a Spiropyran Functionality: Understanding Photo- and Electrochemical Control. <i>Journal of the American Chemical Society</i> , 2011, 133, 5453-5462.	6.6	96
5	Effect of Surface Immobilization on the Electrochemiluminescence of Ruthenium-Containing Metallopolymers. <i>Analytical Chemistry</i> , 2006, 78, 1412-1417.	3.2	83
6	Analytical applications of nanomaterials in electrogenerated chemiluminescence. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5573-5587.	1.9	81
7	Applications of electrochemical sensors: Forensic drug analysis. <i>Current Opinion in Electrochemistry</i> , 2017, 3, 23-28.	2.5	79
8	Electrochemiluminescence (ECL) sensing properties of water soluble core-shell CdSe/ZnS quantum dots/Nafion composite films. <i>Journal of Materials Chemistry</i> , 2011, 21, 13984.	6.7	73
9	A Cholesterol Biosensor Based on the NIR Electrogenerated-Chemiluminescence (ECL) of Water-Soluble CdSeTe/ZnS Quantum Dots. <i>Electrochimica Acta</i> , 2015, 157, 8-14.	2.6	57
10	Nafion [®] /Tris(2,2'-bipyridyl)ruthenium(II) Ultrathin Langmuir-Blodgett Films: Redox Catalysis and Electrochemiluminescent Properties. <i>Analytical Chemistry</i> , 2007, 79, 7549-7553.	3.2	55
11	Electrochemiluminescent monolayers on metal oxide electrodes: Detection of amino acids. <i>Electrochemistry Communications</i> , 2006, 8, 1588-1594.	2.3	53
12	Electronic interactions within composites of polyanilines formed under acidic and alkaline conditions. Conductivity, ESR, Raman, UV-vis and fluorescence studies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3303.	1.3	52
13	Improved performance of porphyrin-based dye sensitised solar cells by phosphinic acid surface treatment. <i>Energy and Environmental Science</i> , 2009, 2, 1069.	15.6	49
14	EPR characterisation of platinum nanoparticle functionalised carbon nanotube hybrid materials. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4135.	1.3	49
15	Quantification of global mitochondrial DNA methylation levels and inverse correlation with age at two CpG sites. <i>Aging</i> , 2016, 8, 636-641.	1.4	46
16	Electrochemiluminescent detection of methamphetamine and amphetamine. <i>Forensic Science International</i> , 2016, 264, 1-6.	1.3	44
17	Cathodic Quantum Dot Facilitated Electrochemiluminescent Detection in Blood. <i>Analytical Chemistry</i> , 2018, 90, 12944-12950.	3.2	40
18	Ruthenium Aminophenanthroline Metallopolymer Films Electropolymerized from an Ionic Liquid: Deposition and Electrochemical and Photonic Properties. <i>Langmuir</i> , 2008, 24, 11233-11238.	1.6	37

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19	Utilization of an Electrochemiluminescence Sensor for Atropine Determination in Complex Matrices. <i>Analytical Chemistry</i> , 2019, 91, 12369-12376.	3.2	36
20	Electrochemiluminescence platform for the detection of C-reactive proteins: application of recombinant antibody technology to cardiac biomarker detection. <i>RSC Advances</i> , 2015, 5, 67874-67877.	1.7	34
21	Highly sensitive detection of NADH using electrochemiluminescent nanocomposites. <i>Electrochemistry Communications</i> , 2012, 19, 43-45.	2.3	33
22	Insights into electrochemiluminescent enhancement through electrode surface modification. <i>Analyst, The</i> , 2013, 138, 677-682.	1.7	33
23	The influence of poly(2-methoxyaniline-5-sulfonic acid) on the electrochemical and photochemical properties of a highly luminescent ruthenium complex. <i>Electrochimica Acta</i> , 2008, 53, 4599-4605.	2.6	29
24	Surface confinement and its effects on the luminescence quenching of a ruthenium-containing metallopolymer. <i>Analyst, The</i> , 2008, 133, 753.	1.7	27
25	Independent validation of body fluid-specific CpG markers and construction of a robust multiplex assay. <i>Forensic Science International: Genetics</i> , 2017, 29, 261-268.	1.6	27
26	Reversible Photoinduced Electron Transfer in a Ruthenium Poly(2-methoxyaniline-5-sulfonic acid) Composite Film. <i>Journal of Physical Chemistry B</i> , 2008, 112, 12907-12912.	1.2	26
27	Highly efficient electrogenerated chemiluminescence of an oligofluorene-truxene star-shaped compound incorporating 2,1,3-benzothiadiazole units. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1166-1171.	2.7	26
28	ESR, Raman, and Conductivity Studies on Fractionated Poly(2-methoxyaniline-5-sulfonic acid). <i>Journal of Physical Chemistry B</i> , 2010, 114, 2337-2341.	1.2	25
29	<i>Datura</i> quids at Pinwheel Cave, California, provide unambiguous confirmation of the ingestion of hallucinogens at a rock art site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31026-31037.	3.3	25
30	Electrochemiluminescent sensors as a screening strategy for psychoactive substances within biological matrices. <i>Analyst, The</i> , 2020, 145, 4295-4304.	1.7	23
31	Electrochemical monitoring of alcohol in sweat. <i>Talanta</i> , 2021, 224, 121815.	2.9	23
32	Tale of Two Alkaloids: pH-Controlled Electrochemiluminescence for Differentiation of Structurally Similar Compounds. <i>Analytical Chemistry</i> , 2020, 92, 2216-2223.	3.2	22
33	The EpiTect Methyl qPCR Assay as novel age estimation method in forensic biology. <i>Forensic Science International</i> , 2016, 264, 132-138.	1.3	21
34	Luminescent Metal Complexes within Polyelectrolyte Layers: Tuning Electron and Energy Transfer. <i>Langmuir</i> , 2009, 25, 14053-14060.	1.6	20
35	Structural refinement and electrochemical properties of one dimensional (ZnO NRs) ₁ ~x(CNs) _x functional hybrids for serotonin sensing studies. <i>Scientific Reports</i> , 2020, 10, 15955.	1.6	17
36	Optimising electrogenerated chemiluminescence of quantum dots via co-reactant selection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7129-7136.	1.9	16

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37	â€Cathodicâ€™ electrochemiluminescence of [Ru(bpy) ₃] ²⁺ and tri- <i>n</i> -propylamine confirmed as emission at the counter electrode. <i>Chemical Communications</i> , 2019, 55, 7081-7084.	2.2	16
38	Emission from the working and counter electrodes under co-reactant electrochemiluminescence conditions. <i>Chemical Science</i> , 2021, 12, 9770-9777.	3.7	15
39	Ground and excited state communication within a ruthenium containing benzimidazole metallopolymer. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7095.	1.3	14
40	Photolithographic patterning of conducting polyaniline films via flash welding. <i>Synthetic Metals</i> , 2010, 160, 1405-1409.	2.1	13
41	Enhanced chemiluminescence determination of paracetamol. <i>Analyst, The</i> , 2021, 146, 1326-1333.	1.7	12
42	Electrochemiluminescent screening for methamphetamine metabolites. <i>Analyst, The</i> , 2021, 146, 3336-3345.	1.7	12
43	Solid State Photochemistry of Novel Composites Containing Luminescent Metal Centers and Poly(2-methoxyaniline-5-sulfonic acid). <i>Journal of Physical Chemistry B</i> , 2009, 113, 7443-7448.	1.2	10
44	Deactivation of the ruthenium excited state by enhanced homogeneous charge transport: Implications for electrochemiluminescent thin film sensors. <i>Electrochemistry Communications</i> , 2018, 86, 90-93.	2.3	9
45	An assessment of the subjectivity of sperm scoring. <i>Forensic Science International</i> , 2015, 251, 83-86.	1.3	8
46	Electrochemiluminescence nanoimmunosensor for CD63 protein using a carbon nanochips/iron oxide/nafion-nanocomposite modified mesoporous carbon interface. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 170, 108755.	2.5	8
47	A comprehensive chromatographic comparison of amphetamine and methylamphetamine extracted from river water using molecular imprinted polymers and without the need for sample derivatization. <i>Journal of Separation Science</i> , 2012, 35, 3332-3339.	1.3	7
48	Novel electrochemiluminescent materials for sensor applications. <i>Faraday Discussions</i> , 2014, 174, 357-367.	1.6	7
49	A proof of principal study on the use of direct PCR of semen and spermatozoa and development of a differential isolation protocol for use in cases of alleged sexual assault. <i>International Journal of Legal Medicine</i> , 2017, 131, 87-94.	1.2	7
50	Electrochemiluminescence fundamentals and analytical applications. <i>SPR Electrochemistry</i> , 0, , 96-146.	0.7	6
51	Organic bioelectronics: general discussion. <i>Faraday Discussions</i> , 2014, 174, 413-428.	1.6	5
52	Evaluation of the one-step Lumicyanoâ„¢ used in the visualisation of fingerprints on fabrics. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2019, 59, 486-497.	1.3	5
53	Development of an Electrochemical CCL17/TARC Biosensor toward Rapid Triage and Monitoring of Classic Hodgkin Lymphoma. <i>ACS Sensors</i> , 2021, 6, 3262-3272.	4.0	5
54	Psychoactive Substances and How to Find Them: Electrochemiluminescence as a Strategy for Identification and Differentiation of Drug Species. <i>Journal of the Electrochemical Society</i> , 2020, 167, 166502.	1.3	5

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55	Electrochemical Strategies for the Screening of Synthetic Cannabinoid BB-22 (QUCHIC) within a Toxicological Specimen. <i>Journal of the Electrochemical Society</i> , 2021, 168, 126510.	1.3	5
56	Characterising the response of novel 3D printed CNT electrodes to the virulence factor pyocyanin. <i>Journal of Electroanalytical Chemistry</i> , 2022, 909, 116149.	1.9	5
57	Eight salt forms of sulfadiazine. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 900-907.	0.2	4
58	Electrochemical Devices For Forensic Chemical Sensing. <i>RSC Detection Science</i> , 2019, , 115-139.	0.0	4
59	Can synthetic cannabinoids be reliably screened with electrochemistry? An assessment of the ability to screen for synthetic cannabinoids STS-135 and BB-22 within a single sample matrix. <i>Journal of Electroanalytical Chemistry</i> , 2022, 909, 116141.	1.9	4
60	Does the salt really matter? Impact of the counterion upon ECL signal. <i>Electrochimica Acta</i> , 2021, 372, 137885.	2.6	3
61	The hydrochloride and hydrobromide salt forms of (<i>S</i>)-amphetamine. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 844-849.	0.2	2
62	Electrochemical Sensors for New Challenges. , 2023, , 158-173.		2
63	Electrochemiluminescence Detection of Methamphetamine in Biological Matrices. , 2020, , .		2
64	Voltammetry as a rapid screening method for NPS identification. , 2020, , .		2
65	Assessment of [Ru(bpy) ₂] ³⁺ and [Os(diars) ₂ (bthp)] ²⁺ for the electrochemiluminescence detection of gemcitabine and leucovorin toward diagnostic point-of-care sensors within precision medicine. <i>Sensors and Actuators Reports</i> , 2021, 3, 100065.	2.3	2
66	Electrocatalytic enhancement of [Ru(bpy) ₃] ²⁺ electrochemiluminescence for gemcitabine detection toward precision measurement via gold nanoparticle addition. <i>Bioelectrochemistry</i> , 2022, 146, 108164.	2.4	2
67	Electrochemiluminescence sensors and forensic investigations: a viable technique for drug detection?. <i>Pure and Applied Chemistry</i> , 2022, 94, 535-545.	0.9	1
68	Luminescence properties of metallopolymer-gold nanoparticle composites. , 2005, , .		0
69	Nanoparticle-Metallopolymer Assemblies: Luminescent Properties. <i>ECS Transactions</i> , 2007, 3, 1-8.	0.3	0
70	Novel Electrochemical and Fluorescent Materials for Sensor Applications. , 2021, , .		0
71	Psychoactive Substances and How to Find Them: Electrochemiluminescence As a Strategy for Identification and Differentiation of Drug Species. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2881-2881.	0.0	0