

Conor F Hogan

List of Publications by Year in descending order

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93
papers

3,970
citations

125106

35
h-index

139680

61
g-index

98
all docs

98
docs citations

98
times ranked

4347
citing authors

#	ARTICLE	IF	CITATIONS
1	A redox-mediator pathway for enhanced multi-colour electrochemiluminescence in aqueous solution. <i>Chemical Science</i> , 2022, 13, 469-477.	3.7	21
2	A simple, low-cost instrument for electrochemiluminescence immunoassays based on a Raspberry Pi and screen-printed electrodes. <i>Bioelectrochemistry</i> , 2022, 146, 108107.	2.4	8
3	Electrochemiluminescence. <i>Springer Handbooks</i> , 2022, , 1777-1809.	0.3	1
4	Emission from the working and counter electrodes under co-reactant electrochemiluminescence conditions. <i>Chemical Science</i> , 2021, 12, 9770-9777.	3.7	15
5	An unusually stable solid state Ag AgCl reference electrode for long term continuous measurements based on a crosslinked poly(vinyl acetate)/KCl composite. <i>Electrochimica Acta</i> , 2021, 368, 137636.	2.6	10
6	Intense near-infrared electrochemiluminescence facilitated by energy transfer in bimetallic Ir-Ru metallopolymers. <i>Electrochimica Acta</i> , 2021, 379, 138117.	2.6	6
7	Wide-Bite-Angle Diphosphine Ligands in Thermally Activated Delayed Fluorescent Copper(I) Complexes: Impact on the Performance of Electroluminescence Applications. <i>Inorganic Chemistry</i> , 2021, 60, 10323-10339.	1.9	28
8	Construction of a Highly Sensitive Thiol-Responsive AlEgen-Peptide Conjugate for Monitoring Protein Unfolding and Aggregation in Cells. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101300.	3.9	19
9	Luminescent iridium(^{III})-boronic acid complexes for carbohydrate sensing. <i>Dalton Transactions</i> , 2020, 49, 11361-11374.	1.6	7
10	Metathesis Reactions between Heavy d-8 Fluorides and I(III)-Pyridine Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 2765-2770.	1.9	2
11	Near-Infrared Electrochemiluminescence from Bistridentate Ruthenium(II) Di(quinoline-8-yl)pyridine Complexes in Aqueous Media. <i>ChemPlusChem</i> , 2020, 85, 346-352.	1.3	13
12	A conceptual framework for the development of iridium(^{III}) complex-based electrogenerated chemiluminescence labels. <i>Chemical Science</i> , 2019, 10, 8654-8667.	3.7	81
13	A Family of Heterocyclic Naphthalene Diimide (NDI) Analogues: Comparing Parent Isoquinoline Diimides and Phthalazine Diimides with NDI. <i>ChemPlusChem</i> , 2019, 84, 1638-1642.	1.3	4
14	Metallopolymers as Nanostructured Solid-State Platforms for Electrochemiluminescence Applications. <i>ChemElectroChem</i> , 2019, 6, 5790-5796.	1.7	5
15	Multi-colour bipolar electrochemiluminescence for heavy metal ion detection. <i>Chemical Communications</i> , 2019, 55, 1024-1027.	2.2	56
16	Tuning the electrochemiluminescent properties of iridium complexes of N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2019, 48, 653-663.	1.6	23
17	Luminescent iridium(^{III}) complexes of N-heterocyclic carbene ligands prepared using the "click reaction". <i>Dalton Transactions</i> , 2019, 48, 9998-10010.	1.6	20
18	Electrochemiluminescence energy transfer in mixed iridium-based redox copolymers immobilised as nanoparticles. <i>Electrochimica Acta</i> , 2019, 313, 397-402.	2.6	12

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19	Electrochemiluminescence of cyclometalated iridium (III) complexes. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 216-223.	2.5	33
20	DUPLICATE: Electrochemiluminescence of cyclometalated iridium (III) complexes. <i>Current Opinion in Electrochemistry</i> , 2018, 8, 52-59.	2.5	7
21	Electrochemically Sensitized Luminescence from Lanthanides in d-/f-Block Heteronuclear Arrays. <i>ChemPhotoChem</i> , 2018, 2, 3-3.	1.5	0
22	Electrochemically Sensitized Luminescence from Lanthanides in d-/f-Block Heteronuclear Arrays. <i>ChemPhotoChem</i> , 2018, 2, 27-33.	1.5	7
23	Unusually Strong Electrochemiluminescence from Iridium-Based Redox Polymers Immobilized As Thin Layers or Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37251-37257.	4.0	41
24	Mixed annihilation electrogenerated chemiluminescence of iridium(III) complexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18995-19006.	1.3	25
25	Electrochemically, Spectrally, and Spatially Resolved Annihilation-Generated Chemiluminescence of Mixed-Metal Complexes at Working and Counter Electrodes. <i>ChemElectroChem</i> , 2018, 5, 1543-1547.	1.7	16
26	The final fate of NHC stabilized dicarbon. <i>Pure and Applied Chemistry</i> , 2017, 89, 791-800.	0.9	13
27	Spatially-resolved multicolor bipolar electrochemiluminescence. <i>Electrochemistry Communications</i> , 2017, 77, 10-13.	2.3	45
28	A Strong cis-Effect in an Imidazole-Imidazolium-Substituted Alkene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8473-8480.	7.2	3
29	A Strong cis-Effect in an Imidazole-Imidazolium-Substituted Alkene. <i>Angewandte Chemie</i> , 2017, 129, 8593-8600.	1.6	1
30	Co-reactant Electrogenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. <i>ChemElectroChem</i> , 2017, 4, 1797-1808.	1.7	31
31	Aggregation-Induced Electrochemiluminescence of Platinum(II) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 14605-14610.	6.6	262
32	Probing Conformational Variation in Luminescent Dinuclear Gold(I) N-Heterocyclic Carbene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3661-3674.	1.0	16
33	9-Vinylanthracene Based Fluorogens: Synthesis, Structure-Property Relationships and Applications. <i>Molecules</i> , 2017, 22, 2148.	1.7	8
34	Access to the Parent Tetrakis(pyridine)gold(III) Trication, Facile Formation of Rare Au(III) Terminal Hydroxides, and Preliminary Studies of Biological Properties. <i>Inorganic Chemistry</i> , 2016, 55, 2830-2839.	1.9	12
35	New perspectives on the annihilation electrogenerated chemiluminescence of mixed metal complexes in solution. <i>Chemical Science</i> , 2016, 7, 5271-5279.	3.7	49
36	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) Immobilized onto Tin-Doped Indium Oxide. <i>ChemElectroChem</i> , 2016, 3, 2160-2164.	1.7	7

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37	Electrochemically tuneable multi-colour electrochemiluminescence using a single emitter. <i>Chemical Science</i> , 2016, 7, 6974-6980.	3.7	29
38	Considering the chemical energy requirements of the tri-n-propylamine co-reactant pathways for the judicious design of new electrogenerated chemiluminescence detection systems. <i>Analyst</i> , The, 2016, 141, 62-69.	1.7	44
39	Frontispiece: Potential-Resolved Electrogenerated Chemiluminescence for the Selective Detection of Multiple Luminophores. <i>ChemPlusChem</i> , 2015, 80, n/a-n/a.	1.3	1
40	A FRET-based ratiometric redox probe for detecting oxidative stress by confocal microscopy, FLIM and flow cytometry. <i>Chemical Communications</i> , 2015, 51, 10510-10513.	2.2	59
41	Iridium(N -heterocyclic carbene complexes: an experimental and theoretical study of structural, spectroscopic, electrochemical and electrogenerated chemiluminescence properties. <i>Dalton Transactions</i> , 2015, 44, 8564-8576.	1.6	47
42	The Fate of NHC-Stabilized Dicarbon. <i>Chemistry - A European Journal</i> , 2015, 21, 3377-3386.	1.7	42
43	Mobile phone-based electrochemiluminescence sensing exploiting the "USB On-The-Go"™ protocol. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 608-613.	4.0	73
44	Potential-Resolved Electrogenerated Chemiluminescence for the Selective Detection of Multiple Luminophores. <i>ChemPlusChem</i> , 2015, 80, 456-470.	1.3	49
45	Electrogenerated chemiluminescence of tris(2,2'-bipyridine)ruthenium(II) using common biological buffers as co-reactant, pH buffer and supporting electrolyte. <i>Analyst</i> , The, 2015, 140, 7142-7145.	1.7	38
46	Annihilation electrogenerated chemiluminescence of mixed metal chelates in solution: modulating emission colour by manipulating the energetics. <i>Chemical Science</i> , 2015, 6, 472-479.	3.7	83
47	Mobile Phone Based Electrochemiluminescence Detection in Paper-Based Microfluidic Sensors. <i>Methods in Molecular Biology</i> , 2015, 1256, 277-289.	0.4	12
48	Control of Excitation and Quenching in Multi-colour Electrogenerated Chemiluminescence Systems through Choice of Co-reactant. <i>Chemistry - A European Journal</i> , 2014, 20, 14026-14031.	1.7	46
49	Triamidetriamine Bearing Macrobicyclic and Macrotricyclic Ligands: Potential Applications in the Development of Copper-64 Radiopharmaceuticals. <i>Inorganic Chemistry</i> , 2014, 53, 468-477.	1.9	16
50	Facile Formation of Homoleptic Au(III) Trications via Simultaneous Oxidation and Ligand Delivery from $[\text{Ph}(\text{pyridine})_2]^+$. <i>Journal of the American Chemical Society</i> , 2014, 136, 12415-12421.	6.6	31
51	Labeling phospholipid membranes with lipid mimetic luminescent metal complexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2939-2946.	1.4	20
52	Mediated Electron Transfer between Fe^{II} Adsorbed onto Hydrated Ferric Oxide and a Working Electrode. <i>Environmental Science & Technology</i> , 2014, 48, 10835-10842.	4.6	18
53	Red "Green" Blue Electrogenerated Chemiluminescence Utilizing a Digital Camera as Detector. <i>Analytical Chemistry</i> , 2014, 86, 2727-2732.	3.2	107
54	Understanding Electrogenerated Chemiluminescence Efficiency in Blue-Shifted Iridium(III) Complexes: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2014, 20, 3322-3332.	1.7	80

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55	Iridium Complexes of N-Heterocyclic Carbene Ligands: Investigation into the Energetic Requirements for Efficient Electrogenerated Chemiluminescence. <i>Organometallics</i> , 2014, 33, 4860-4872.	1.1	101
56	A potential-controlled switch on/off mechanism for selective excitation in mixed electrochemiluminescent systems. <i>Chemical Science</i> , 2013, 4, 977-982.	3.7	139
57	Use of a mobile phone for potentiostatic control with low cost paper-based microfluidic sensors. <i>Analytica Chimica Acta</i> , 2013, 790, 56-60.	2.6	100
58	Facile Tuning of Luminescent Platinum(II) Schiff Base Complexes from Yellow to Near-Infrared: Photophysics, Electrochemistry, Electrochemiluminescence and Theoretical Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 15907-15917.	1.7	30
59	Reprint of: Use of a mobile phone for potentiostatic control with low cost paper-based microfluidic sensors. <i>Analytica Chimica Acta</i> , 2013, 803, 123-127.	2.6	30
60	Solution and solid-state electrochemiluminescence of a fac-tris(2-phenylpyridyl)iridium(III)-cored dendrimer. <i>Electrochimica Acta</i> , 2013, 100, 72-77.	2.6	23
61	Electrochemiluminescent Ruthenium(II) N-Heterocyclic Carbene Complexes: a Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2013, 52, 7448-7459.	1.9	82
62	Fluoride-selective optical sensor based on the dipyrrolyl-tetrathiafulvalene chromophore. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 705-709.	1.5	35
63	Chemiluminescence from osmium(ii) complexes with phenanthroline, diphosphine and diarsine ligands. <i>Analyst, The</i> , 2012, 137, 2766.	1.7	13
64	A 1D Schiff base zinc polymer as a versatile metallo-ligand for the synthesis of polynuclear zinc cages. <i>Dalton Transactions</i> , 2012, 41, 8361.	1.6	4
65	Selective Excitation of Concomitant Electrochemiluminophores: Tuning Emission Color by Electrode Potential. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4354-4357.	7.2	105
66	Electrochemiluminescent Monomers for Solid Support Syntheses of Ru(II)-PNA Bioconjugates: Multimodal Biosensing Tools with Enhanced Duplex Stability. <i>Inorganic Chemistry</i> , 2012, 51, 3302-3315.	1.9	37
67	Simultaneous control of spectroscopic and electrochemical properties in functionalised electrochemiluminescent tris(2,2'-bipyridine)ruthenium(ii) complexes. <i>Analyst, The</i> , 2011, 136, 1329.	1.7	60
68	Electrogenerated Chemiluminescence Detection in Paper-Based Microfluidic Sensors. <i>Analytical Chemistry</i> , 2011, 83, 1300-1306.	3.2	539
69	Highly Stable ECL Active Films Formed by the Electrografting of a Diazotized Ruthenium Complex Generated <i>in Situ</i> from the Amine. <i>Langmuir</i> , 2011, 27, 474-480.	1.6	40
70	Electrochemiluminescent Peptide Nucleic Acid-Like Monomers Containing Ru(II)-Dipyridoquinoxaline and Ru(II)-Dipyridophenazine Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 12172-12183.	1.9	27
71	Chemiluminescence and electrochemiluminescence detection of controlled drugs. <i>Drug Testing and Analysis</i> , 2011, 3, 145-160.	1.6	51
72	Photophysical and Electrochemical Properties of Phenanthroline-Based Bis-cyclometallated Iridium Complexes in Aqueous and Organic Media. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4816-4825.	1.0	46

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73	Novel Electrochemiluminescent Platinum (II) Schiff-Base Complexes. ECS Transactions, 2010, 33, 31-40.	0.3	0
74	Electrochemiluminescence of surface bound microparticles of ruthenium complexes. Journal of Materials Chemistry, 2010, 20, 891-899.	6.7	24
75	Solid state spectroelectrochemistry of microparticles of ruthenium diimine complexes immobilised on optically transparent electrodes. Journal of Solid State Electrochemistry, 2009, 13, 599-608.	1.2	8
76	Comparison of homoleptic and heteroleptic 2,2'-bipyridine and 1,10-phenanthroline ruthenium complexes as chemiluminescence and electrochemiluminescence reagents in aqueous solution. Analytica Chimica Acta, 2009, 635, 94-101.	2.6	28
77	Chemiluminescence from reactions with bis-cyclometalated iridium complexes in acidic aqueous solution. Analyst, The, 2009, 134, 1297.	1.7	39
78	The synthesis of novel core-substituted naphthalene diimides via Suzuki cross-coupling and their properties. New Journal of Chemistry, 2009, 33, 2409.	1.4	44
79	Luminescence. Comprehensive Analytical Chemistry, 2008, , 343-373.	0.7	6
80	Effect of oxidant type on the chemiluminescence intensity from the reaction of tris(2,2'-bipyridyl)ruthenium(III) with various organic acids. Talanta, 2007, 72, 568-574.	2.9	9
81	Electrochemical studies of porphyrin-appended dendrimers. Physical Chemistry Chemical Physics, 2006, 8, 2058.	1.3	23
82	Effect of Surface Immobilization on the Electrochemiluminescence of Ruthenium-Containing Metallopolymers. Analytical Chemistry, 2006, 78, 1412-1417.	3.2	83
83	A 24-Crown-8 Bearing Naphthalene and Naphthoquinone Chromophores. Supramolecular Chemistry, 2005, 17, 513-519.	1.5	4
84	Spectroscopy of Naphthalene Diimides and Their Anion Radicals. Australian Journal of Chemistry, 2004, 57, 1011.	0.5	159
85	Facile Analysis of EC Cyclic Voltammograms. Analytical Chemistry, 2004, 76, 2256-2260.	3.2	14
86	Phase, Morphology, and Particle Size Changes Associated with the Solid-Solid Electrochemical Interconversion of TCNQ and Semiconducting CuTCNQ (TCNQ = Tetracyanoquinodimethane). Chemistry of Materials, 2003, 15, 3573-3585.	3.2	106
87	Electron Transfer-Induced cis-trans Isomerization of [Mn(CN)(CO) ₂ {P(OPh) ₃ }(Ph ₂ PCH ₂ PPh ₂)]: A Solution and Solid State Voltammetric Studies. Journal of Physical Chemistry A, 2003, 107, 1274-1283.	1.1	21
88	Dynamics of Charge Transport through Osmium Tris Dimethoxy Bipyridyl Solid Deposits. Langmuir, 2002, 18, 4826-4833.	1.6	22
89	Title is missing!. Australian Journal of Chemistry, 2001, 54, 735.	0.5	7
90	Protonation Effects on Superexchange across Gold/Osmium Bis(bipyridyl) Tetrazine Chloride Monolayer Interfaces. Journal of Physical Chemistry B, 2001, 105, 2792-2799.	1.2	16

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91	Electrochemiluminescent Metallopolymer Coatings: A Combined Light and Current Detection in Flow Injection Analysis. <i>Analytical Chemistry</i> , 2000, 72, 5576-5582.	3.2	80
92	Mediated electron transfer for electroanalysis: transport and kinetics in tin films of [Ru (bpy) 2 PVP 10] (ClO 4) 2. <i>Analytica Chimica Acta</i> , 1999, 396, 13-21.	2.6	54
93	A study of [Os(bipy)2(PVP)3.3(PS)6.7Cl]+ polymer film modified electrodes using neutron reflectivity. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 843-853.	1.3	9