Conor F Hogan

List of Publications by Year in Descending Order

94 papers	3,252 citations	33 h-index	55 g-index
98 ext. papers	3,610 ext. citations	5.5 avg, IF	5.36 L-index

#	Paper	IF	Citations
94	A redox-mediator pathway for enhanced multi-colour electrochemiluminescence in aqueous solution.. *Chemical Science*, **2022**, 13, 469-477	9.4	5
93	A simple, low-cost instrument for electrochemiluminescence immunoassays based on a Raspberry Pi and screen-printed electrodes.. *Bioelectrochemistry*, **2022**, 146, 108107	5.6	2
92	Electrochemiluminescence. *Springer Handbooks*, **2022**, 1777-1809	1.3	0
91	Construction of a Highly Sensitive Thiol-Reactive AIEgen-Peptide Conjugate for Monitoring Protein Unfolding and Aggregation in Cells. *Advanced Healthcare Materials*, **2021**, e2101300	10.1	1
90	Intense near-infrared electrochemiluminescence facilitated by energy transfer in bimetallic Ir-Ru metallopolymers. *Electrochimica Acta*, **2021**, 379, 138117	6.7	1
89	Wide-Bite-Angle Diphosphine Ligands in Thermally Activated Delayed Fluorescent Copper(I) Complexes: Impact on the Performance of Electroluminescence Applications. *Inorganic Chemistry*, **2021**, 60, 10323-10339	5.1	5
88	Emission from the working and counter electrodes under co-reactant electrochemiluminescence conditions. *Chemical Science*, **2021**, 12, 9770-9777	9.4	9
87	An unusually stable solid state Ag|AgCl reference electrode for long term continuous measurements based on a crosslinked poly(vinyl acetate)/KCl composite. *Electrochimica Acta*, **2021**, 368, 137636	6.7	1
86	Metathesis Reactions between Heavy d-8 Fluorides and I(III)-Pyridine Complexes. *Inorganic Chemistry*, **2020**, 59, 2765-2770	5.1	2
85	Near-Infrared Electrochemiluminescence from Bistridentate Ruthenium(II) Di(quinoline-8-yl)pyridine Complexes in Aqueous Media. *ChemPlusChem*, **2020**, 85, 346-352	2.8	5
84	Luminescent iridium(iii)-boronic acid complexes for carbohydrate sensing. *Dalton Transactions*, **2020**, 49, 11361-11374	4.3	3
83	Multi-colour bipolar electrochemiluminescence for heavy metal ion detection. *Chemical Communications*, **2019**, 55, 1024-1027	5.8	38
82	Tuning the electrochemiluminescent properties of iridium complexes of N-heterocyclic carbene ligands. *Dalton Transactions*, **2019**, 48, 653-663	4.3	16
81	Luminescent iridium(iii) complexes of N-heterocyclic carbene ligands prepared using the 'click reaction'. *Dalton Transactions*, **2019**, 48, 9998-10010	4.3	11
80	Electrochemiluminescence energy transfer in mixed iridium-based redox copolymers immobilised as nanoparticles. *Electrochimica Acta*, **2019**, 313, 397-402	6.7	10
79	A conceptual framework for the development of iridium(iii) complex-based electrogenerated chemiluminescence labels. *Chemical Science*, **2019**, 10, 8654-8667	9.4	50
78	A Family of Heterocyclic Naphthalene Diimide (NDI) Analogues: Comparing Parent Isoquinoline Diimides and Phthalazine Diimides with NDI. *ChemPlusChem*, **2019**, 84, 1638-1642	2.8	4

77	Metallopolymers as Nanostructured Solid-State Platforms for Electrochemiluminescence Applications. *ChemElectroChem*, **2019**, 6, 5790-5796	4.3	4
76	Electrochemiluminescence of cyclometalated iridium (III) complexes. *Current Opinion in Electrochemistry*, **2018**, 7, 216-223	7.2	16
75	DUPLICATE: Electrochemiluminescence of cyclometalated iridium (III) complexes. *Current Opinion in Electrochemistry*, **2018**, 8, 52-59	7.2	6
74	Electrochemically Sensitized Luminescence from Lanthanides in d-/f-Block Heteronuclear Arrays. *ChemPhotoChem*, **2018**, 2, 3-3	3.3	
73	Electrochemically Sensitized Luminescence from Lanthanides in d-/f-Block Heteronuclear Arrays. *ChemPhotoChem*, **2018**, 2, 27-33	3.3	6
72	Electrochemically, Spectrally, and Spatially Resolved Annihilation-Electrogenerated Chemiluminescence of Mixed-Metal Complexes at Working and Counter Electrodes. *ChemElectroChem*, **2018**, 5, 1543-1547	4.3	13
71	Unusually Strong Electrochemiluminescence from Iridium-Based Redox Polymers Immobilized As Thin Layers or Polymer Nanoparticles. *ACS Applied Materials & Interfaces*, **2018**, 10, 37251-37257	9.5	27
70	Mixed annihilation electrogenerated chemiluminescence of iridium(iii) complexes. *Physical Chemistry Chemical Physics*, **2018**, 20, 18995-19006	3.6	18
69	The final fate of NHC stabilized dicarbon. *Pure and Applied Chemistry*, **2017**, 89, 791-800	2.1	7
68	Electrochemiluminescence of Iridium Complexes **2017**, 359-414		6
67	Spatially-resolved multicolor bipolar electrochemiluminescence. *Electrochemistry Communications*, **2017**, 77, 10-13	5.1	34
66	A Strong cis-Effect in an Imidazole-Imidazolium-Substituted Alkene. *Angewandte Chemie - International Edition*, **2017**, 56, 8473-8480	16.4	3
65	A Strong cis-Effect in an Imidazole-Imidazolium-Substituted Alkene. *Angewandte Chemie*, **2017**, 129, 8593-8600	3.6	1
64	Co-reactant Electrogenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. *ChemElectroChem*, **2017**, 4, 1797-1808	4.3	21
63	9-Vinylanthracene Based Fluorogens: Synthesis, Structure-Property Relationships and Applications. *Molecules*, **2017**, 22,	4.8	7
62	Aggregation-Induced Electrochemiluminescence of Platinum(II) Complexes. *Journal of the American Chemical Society*, **2017**, 139, 14605-14610	16.4	159
61	Probing Conformational Variation in Luminescent Dinuclear Gold(I) N-Heterocyclic Carbene Complexes. *European Journal of Inorganic Chemistry*, **2017**, 2017, 3661-3674	2.3	12
60	Electrochemically tuneable multi-colour electrochemiluminescence using a single emitter. *Chemical Science*, **2016**, 7, 6974-6980	9.4	27

59	Considering the chemical energy requirements of the tri-n-propylamine co-reactant pathways for the judicious design of new electrogenerated chemiluminescence detection systems. *Analyst, The*, **2016**, 141, 62-9	5	31
58	Access to the Parent Tetrakis(pyridine)gold(III) Trication, Facile Formation of Rare Au(III) Terminal Hydroxides, and Preliminary Studies of Biological Properties. *Inorganic Chemistry*, **2016**, 55, 2830-9	5.1	10
57	New perspectives on the annihilation electrogenerated chemiluminescence of mixed metal complexes in solution. *Chemical Science*, **2016**, 7, 5271-5279	9.4	36
56	Reagentless Electrochemiluminescence from a Nanoparticulate Polymer of Intrinsic Microporosity (PIM-1) Immobilized onto Tin-Doped Indium Oxide. *ChemElectroChem*, **2016**, 3, 2160-2164	4.3	5
55	Mobile phone-based electrochemiluminescence sensing exploiting the USB On-The-Go protocol. *Sensors and Actuators B: Chemical*, **2015**, 216, 608-613	8.5	62
54	Potential-Resolved Electrogenerated Chemiluminescence for the Selective Detection of Multiple Luminophores. *ChemPlusChem*, **2015**, 80, 456-470	2.8	43
53	Electrogenerated chemiluminescence of tris(2,2' bipyridine)ruthenium(II) using common biological buffers as co-reactant, pH buffer and supporting electrolyte. *Analyst, The*, **2015**, 140, 7142-5	5	27
52	Annihilation electrogenerated chemiluminescence of mixed metal chelates in solution: modulating emission colour by manipulating the energetics. *Chemical Science*, **2015**, 6, 472-479	9.4	68
51	Frontispiece: Potential-Resolved Electrogenerated Chemiluminescence for the Selective Detection of Multiple Luminophores. *ChemPlusChem*, **2015**, 80,	2.8	1
50	A FRET-based ratiometric redox probe for detecting oxidative stress by confocal microscopy, FLIM and flow cytometry. *Chemical Communications*, **2015**, 51, 10510-3	5.8	49
49	Iridium(III) N-heterocyclic carbene complexes: an experimental and theoretical study of structural, spectroscopic, electrochemical and electrogenerated chemiluminescence properties. *Dalton Transactions*, **2015**, 44, 8564-76	4.3	44
48	The fate of NHC-stabilized dicarbon. *Chemistry - A European Journal*, **2015**, 21, 3377-86	4.8	34
47	Mobile phone based electrochemiluminescence detection in paper-based microfluidic sensors. *Methods in Molecular Biology*, **2015**, 1256, 277-89	1.4	7
46	Triamidetriamine bearing macrobicyclic and macrotricyclic ligands: potential applications in the development of copper-64 radiopharmaceuticals. *Inorganic Chemistry*, **2014**, 53, 468-77	5.1	14
45	Facile formation of homoleptic Au(III) trications via simultaneous oxidation and ligand delivery from [PhI(pyridine)2](2+). *Journal of the American Chemical Society*, **2014**, 136, 12415-21	16.4	27
44	Labeling phospholipid membranes with lipid mimetic luminescent metal complexes. *Biochimica Et Biophysica Acta - Biomembranes*, **2014**, 1838, 2939-46	3.8	17
43	Mediated electron transfer between Fe(II) adsorbed onto hydrous ferric oxide and a working electrode. *Environmental Science & Technology*, **2014**, 48, 10835-42	10.3	15
42	Red-green-blue electrogenerated chemiluminescence utilizing a digital camera as detector. *Analytical Chemistry*, **2014**, 86, 2727-32	7.8	92

41	Understanding electrogenerated chemiluminescence efficiency in blue-shifted iridium(III)-complexes: an experimental and theoretical study. *Chemistry - A European Journal*, **2014**, 20, 3322-32	4.8	68
40	Iridium Complexes of N-Heterocyclic Carbene Ligands: Investigation into the Energetic Requirements for Efficient Electrogenerated Chemiluminescence. *Organometallics*, **2014**, 33, 4860-4872	3.8	92
39	Control of excitation and quenching in multi-colour electrogenerated chemiluminescence systems through choice of co-reactant. *Chemistry - A European Journal*, **2014**, 20, 14026-31	4.8	38
38	A potential-controlled switch on/off mechanism for selective excitation in mixed electrochemiluminescent systems. *Chemical Science*, **2013**, 4, 977-982	9.4	121
37	Use of a mobile phone for potentiostatic control with low cost paper-based microfluidic sensors. *Analytica Chimica Acta*, **2013**, 790, 56-60	6.6	86
36	Facile tuning of luminescent platinum(II) Schiff base complexes from yellow to near-infrared: photophysics, electrochemistry, electrochemiluminescence and theoretical calculations. *Chemistry - A European Journal*, **2013**, 19, 15907-17	4.8	26
35	Reprint of: Use of a mobile phone for potentiostatic control with low cost paper-based microfluidic sensors. *Analytica Chimica Acta*, **2013**, 803, 123-7	6.6	27
34	Solution and solid-state electrochemiluminescence of a fac-tris(2-phenylpyridyl)iridium(III)-cored dendrimer. *Electrochimica Acta*, **2013**, 100, 72-77	6.7	20
33	Electrochemiluminescent ruthenium(II) N-heterocyclic carbene complexes: a combined experimental and theoretical study. *Inorganic Chemistry*, **2013**, 52, 7448-59	5.1	74
32	Fluoride-selective optical sensor based on the dipyrrolyl-tetrathiafulvalene chromophore. *Organic and Biomolecular Chemistry*, **2012**, 10, 705-9	3.9	34
31	Chemiluminescence from osmium(II) complexes with phenanthroline, diphosphine and diarsine ligands. *Analyst, The*, **2012**, 137, 2766-9	5	11
30	A 1D Schiff base zinc polymer as a versatile metallo-ligand for the synthesis of polynuclear zinc cages. *Dalton Transactions*, **2012**, 41, 8361-7	4.3	2
29	Selective Excitation of Concomitant Electrochemiluminophores: Tuning Emission Color by Electrode Potential. *Angewandte Chemie*, **2012**, 124, 4430-4433	3.6	33
28	Selective excitation of concomitant electrochemiluminophores: tuning emission color by electrode potential. *Angewandte Chemie - International Edition*, **2012**, 51, 4354-7	16.4	89
27	Electrochemiluminescent monomers for solid support syntheses of Ru(II)-PNA bioconjugates: multimodal biosensing tools with enhanced duplex stability. *Inorganic Chemistry*, **2012**, 51, 3302-15	5.1	37
26	Electrogenerated chemiluminescence detection in paper-based microfluidic sensors. *Analytical Chemistry*, **2011**, 83, 1300-6	7.8	483
25	Highly stable ECL active films formed by the electrografting of a diazotized ruthenium complex generated in situ from the amine. *Langmuir*, **2011**, 27, 474-80	4	39
24	Electrochemiluminescent peptide nucleic acid-like monomers containing Ru(II)-dipyridoquinoxaline and Ru(II)-dipyridophenazine complexes. *Inorganic Chemistry*, **2011**, 50, 12172-83	5.1	26

23	Chemiluminescence and electrochemiluminescence detection of controlled drugs. *Drug Testing and Analysis*, **2011**, 3, 145-60	3.5	44
22	Photophysical and Electrochemical Properties of Phenanthroline-Based Bis-cyclometallated Iridium Complexes in Aqueous and Organic Media. *European Journal of Inorganic Chemistry*, **2011**, 2011, 4816-4825	2.3	44
21	Simultaneous control of spectroscopic and electrochemical properties in functionalised electrochemiluminescent tris(2,2'-bipyridine)ruthenium(II) complexes. *Analyst, The*, **2011**, 136, 1329-38	5	51
20	Electrochemiluminescence of surface bound microparticles of ruthenium complexes. *Journal of Materials Chemistry*, **2010**, 20, 891-899		23
19	Solid state spectroelectrochemistry of microparticles of ruthenium diimine complexes immobilised on optically transparent electrodes. *Journal of Solid State Electrochemistry*, **2009**, 13, 599-608	2.6	8
18	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	6.6	24
17	Chemiluminescence from reactions with bis-cyclometalated iridium complexes in acidic aqueous solution. *Analyst, The*, **2009**, 134, 1297-8	5	35
16	The synthesis of novel core-substituted naphthalene diimides via Suzuki cross-coupling and their properties. *New Journal of Chemistry*, **2009**, 33, 2409	3.6	39
15	Luminescence. *Comprehensive Analytical Chemistry*, **2008**, 343-373	1.9	5
14	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, 568-74	6.2	9
13	Electrochemical studies of porphyrin-appended dendrimers. *Physical Chemistry Chemical Physics*, **2006**, 8, 2058-65	3.6	23
12	Effect of surface immobilization on the electrochemiluminescence of ruthenium-containing metallopolymers. *Analytical Chemistry*, **2006**, 78, 1412-7	7.8	76
11	A 24-Crown-8 Bearing Naphthalene and Naphthoquinone Chromophores. *Supramolecular Chemistry* , **2005**, 17, 513-519	1.8	3
10	Spectroscopy of Naphthalene Diimides and Their Anion Radicals. *Australian Journal of Chemistry*, **2004**, 57, 1011	1.2	141
9	Facile analysis of EC cyclic voltammograms. *Analytical Chemistry*, **2004**, 76, 2256-60	7.8	9
8	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	9.6	98
7	Electron Transfer-Inducedcis□transIsomerization of [Mn(CN)(CO)2{P(OPh)3}(Ph2PCH2PPh2)]:□ Solution and Solid State Voltammetric Studies. *Journal of Physical Chemistry A*, **2003**, 107, 1274-1283	2.8	21
6	Dynamics of Charge Transport through Osmium Tris Dimethoxy Bipyridyl Solid Deposits. *Langmuir*, **2002**, 18, 4826-4833	4	21

5	Rapid Communication: Synthesis and Electrochemical Studies on a Crown Ether Bearing a Naphthoquinone Acceptor. *Australian Journal of Chemistry*, **2001**, 54, 735	1.2	7
4	Protonation Effects on Superexchange across Gold/Osmium Bis(bipyridyl) Tetrazine Chloride Monolayer Interfaces. *Journal of Physical Chemistry B*, **2001**, 105, 2792-2799	3.4	14
3	Electrochemiluminescent metallopolymer coatings: combined light and current detection in flow injection analysis. *Analytical Chemistry*, **2000**, 72, 5576-82	7.8	73
2	Mediated electron transfer for electroanalysis: transport and kinetics in tin films of [Ru (bpy) 2 PVP 10] (ClO 4) 2. *Analytica Chimica Acta*, **1999**, 396, 13-21	6.6	49
1	A study of [Os(bipy)2(PVP)3.3(PS)6.7Cl]+ polymer film modified electrodes using neutron reflectivity. *Physical Chemistry Chemical Physics*, **1999**, 1, 843-853	3.6	9