Emily Kerr

List of Publications by Year
in descending order

21	837	567281 15	713466 21
papers	citations	h-index	g-index

21	21	21	1012
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A redox-mediator pathway for enhanced multi-colour electrochemiluminescence in aqueous solution. Chemical Science, 2022, 13, 469-477.	7.4	21
2	Recent advances in mechanistic understanding and analytical methodologies of the electrochemiluminescence of tris(2,2â€²-bipyridine)ruthenium(II) and tri-n-propylamine. Current Opinion in Electrochemistry, 2022, 35, 101034.	4.8	9
3	Amplification-free electrochemiluminescence molecular beacon-based microRNA sensing using a mobile phone for detection. Sensors and Actuators B: Chemical, 2021, 330, 129261.	7.8	29
4	Emission from the working and counter electrodes under co-reactant electrochemiluminescence conditions. Chemical Science, 2021, 12, 9770-9777.	7.4	15
5	Effect of Molecular Structure of Quinones and Carbon Electrode Surfaces on the Interfacial Electron Transfer Process. ACS Applied Energy Materials, 2020, 3, 1933-1943.	5.1	38
6	Cathodic electrogenerated chemiluminescence of tris(2,2â€²-bipyridine)ruthenium(<scp>ii</scp>) and peroxydisulfate at pure Ti₃C₂T_x MXene electrodes. Chemical Communications, 2020, 56, 10022-10025.	4.1	26
7	MicroRNA Biomarkers for Infectious Diseases: From Basic Research to Biosensing. Frontiers in Microbiology, 2020, 11, 1197.	3.5	137
8	A Comparison of Commercially Available Screen-Printed Electrodes for Electrogenerated Chemiluminescence Applications. Frontiers in Chemistry, 2020, 8, 628483.	3.6	13
9	A Long Lifetime Aqueous Organic Solar Flow Battery. Advanced Energy Materials, 2019, 9, 1900918.	19.5	31
10	Non-corrosive, low-toxicity gel-based microbattery from organic and organometallic molecules. Journal of Materials Chemistry A, 2019, 7, 24784-24787.	10.3	10
11	Mixed annihilation electrogenerated chemiluminescence of iridium(<scp>iii</scp>) complexes. Physical Chemistry Chemical Physics, 2018, 20, 18995-19006.	2.8	25
12	Electrochemically, Spectrally, and Spatially Resolved Annihilationâ€Electrogenerated Chemiluminescence of Mixedâ€Metal Complexes at Working and Counter Electrodes. ChemElectroChem, 2018, 5, 1543-1547.	3.4	16
13	Coâ€reactant Electrogenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. ChemElectroChem, 2017, 4, 1797-1808.	3.4	31
14	New perspectives on the annihilation electrogenerated chemiluminescence of mixed metal complexes in solution. Chemical Science, 2016, 7, 5271-5279.	7.4	49
15	Coated and uncoated cellophane as materials for microplates and open-channel microfluidics devices. Lab on A Chip, 2016, 16, 3885-3897.	6.0	24
16	Analytically useful blue chemiluminescence from a water-soluble iridium(<scp>iii</scp>) complex containing a tetraethylene glycol functionalised triazolylpyridine ligand. Analyst, The, 2016, 141, 2140-2144.	3.5	14
17	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, 62-69.	3.5	44
18	Blue Electrogenerated Chemiluminescence from Waterâ€Soluble Iridium Complexes Containing Sulfonated Phenylpyridine or Tetraethylene Glycol Derivatized Triazolylpyridine Ligands. Chemistry - A European Journal, 2015, 21, 14987-14995.	3.3	35

#	Article	IF	Citations
19	Annihilation electrogenerated chemiluminescence of mixed metal chelates in solution: modulating emission colour by manipulating the energetics. Chemical Science, 2015, 6, 472-479.	7.4	83
20	Redâ€“Greenâ€“Blue Electrogenerated Chemiluminescence Utilizing a Digital Camera as Detector. Analytical Chemistry, 2014, 86, 2727-2732.	6.5	107
21	Understanding Electrogenerated Chemiluminescence Efficiency in Blueâ€Shifted Iridium(III)â€Complexes: An Experimental and Theoretical Study. Chemistry - A European Journal, 2014, 20, 3322-3332.	3.3	80