

Emily Kerr

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

837
citations

567281

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713466

21
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21
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docs citations

21
times ranked

1012
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA Biomarkers for Infectious Diseases: From Basic Research to Biosensing. <i>Frontiers in Microbiology</i> , 2020, 11, 1197.	3.5	137
2	Redâ€“Greenâ€“Blue Electrogenerated Chemiluminescence Utilizing a Digital Camera as Detector. <i>Analytical Chemistry</i> , 2014, 86, 2727-2732.	6.5	107
3	Annihilation electrogenerated chemiluminescence of mixed metal chelates in solution: modulating emission colour by manipulating the energetics. <i>Chemical Science</i> , 2015, 6, 472-479.	7.4	83
4	Understanding Electrogenerated Chemiluminescence Efficiency in Blueâ€“Shifted Iridium(III)â€“Complexes: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2014, 20, 3322-3332.	3.3	80
5	New perspectives on the annihilation electrogenerated chemiluminescence of mixed metal complexes in solution. <i>Chemical Science</i> , 2016, 7, 5271-5279.	7.4	49
6	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> , 2016, 141, 62-69.	3.5	44
7	Effect of Molecular Structure of Quinones and Carbon Electrode Surfaces on the Interfacial Electron Transfer Process. <i>ACS Applied Energy Materials</i> , 2020, 3, 1933-1943.	5.1	38
8	Blue Electrogenerated Chemiluminescence from Waterâ€“Soluble Iridium Complexes Containing Sulfonated Phenylpyridine or Tetraethylene Glycol Derivatized Triazolopyridine Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 14987-14995.	3.3	35
9	Coâ€“reactant Electrogenerated Chemiluminescence of Iridium(III) Complexes Containing an Acetylacetonate Ligand. <i>ChemElectroChem</i> , 2017, 4, 1797-1808.	3.4	31
10	A Long Lifetime Aqueous Organic Solar Flow Battery. <i>Advanced Energy Materials</i> , 2019, 9, 1900918.	19.5	31
11	Amplification-free electrochemiluminescence molecular beacon-based microRNA sensing using a mobile phone for detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129261.	7.8	29
12	Cathodic electrogenerated chemiluminescence of tris(2,2â€“bipyridine)ruthenium(II) and peroxydisulfate at pure Ti ₃ C ₂ T _x MXene electrodes. <i>Chemical Communications</i> , 2020, 56, 10022-10025.	4.1	26
13	Mixed annihilation electrogenerated chemiluminescence of iridium(III) complexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18995-19006.	2.8	25
14	Coated and uncoated cellophane as materials for microplates and open-channel microfluidics devices. <i>Lab on A Chip</i> , 2016, 16, 3885-3897.	6.0	24
15	A redox-mediator pathway for enhanced multi-colour electrochemiluminescence in aqueous solution. <i>Chemical Science</i> , 2022, 13, 469-477.	7.4	21
16	Electrochemically, Spectrally, and Spatially Resolved Annihilationâ€“Electrogenerated Chemiluminescence of Mixedâ€“Metal Complexes at Working and Counter Electrodes. <i>ChemElectroChem</i> , 2018, 5, 1543-1547.	3.4	16
17	Emission from the working and counter electrodes under co-reactant electrochemiluminescence conditions. <i>Chemical Science</i> , 2021, 12, 9770-9777.	7.4	15
18	Analytically useful blue chemiluminescence from a water-soluble iridium(III) complex containing a tetraethylene glycol functionalised triazolopyridine ligand. <i>Analyst</i> , 2016, 141, 2140-2144.	3.5	14

#	ARTICLE	IF	CITATIONS
19	A Comparison of Commercially Available Screen-Printed Electrodes for Electrogenerated Chemiluminescence Applications. <i>Frontiers in Chemistry</i> , 2020, 8, 628483.	3.6	13
20	Non-corrosive, low-toxicity gel-based microbattery from organic and organometallic molecules. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24784-24787.	10.3	10
21	Recent advances in mechanistic understanding and analytical methodologies of the electrochemiluminescence of tris(2,2'-bipyridine)ruthenium(II) and tri-n-propylamine. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101034.	4.8	9