

Recent advances in electrochemiluminescence

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Transparent Carbon Nanotube Network for Efficient Electrochemiluminescence Devices. Chemistry - A European Journal, 2015, 21, 12640-12645.	1.7	50
3	Aqueous Synthesis of Tunable Highly Photoluminescent CdTe Quantum Dots Using Rongalite and Bioimaging Application. Chinese Journal of Analytical Chemistry, 2015, 43, e101-e107.	0.9	8
4	An electrochemiluminescence-supramolecular approach to sarcosine detection for early diagnosis of prostate cancer. Faraday Discussions, 2015, 185, 299-309.	1.6	45
5	Anodic electrogenerated chemiluminescence of self-assembled peptide nanotubes in an aqueous system. Chemical Communications, 2015, 51, 14720-14723.	2.2	2
6	Electrochemiluminescence DNA sensor array for multiplex detection of biowarfare agents. Analytical and Bioanalytical Chemistry, 2015, 407, 6657-6667.	1.9	19
7	3D electrogenerated chemiluminescence: from surface-confined reactions to bulk emission. Chemical Science, 2015, 6, 4433-4437.	3.7	72
8	The determination of DNA methyltransferase activity by quenching of tris(2,2'-bipyridine)ruthenium electrogenerated chemiluminescence with ferrocene. Chemical Communications, 2015, 51, 9487-9490.	2.2	18
9	Reusable and Dual-Potential Responses Electrogenerated Chemiluminescence Biosensor for Synchronously Cytosensing and Dynamic Cell Surface N-Glycan Evaluation. Analytical Chemistry, 2015, 87, 9777-9785.	3.2	90
10	Numerical Simulation of Doped Silica Nanoparticle Electrochemiluminescence. Journal of Physical Chemistry C, 2015, 119, 26111-26118.	1.5	39
11	Ferrocyanide-Ferricyanide Redox Couple Induced Electrochemiluminescence Amplification of Carbon Dots for Ultrasensitive Sensing of Glutathione. Analytical Chemistry, 2015, 87, 11150-11156.	3.2	91
12	Enhanced sensing performance of supported graphitic carbon nitride nanosheets and the fabrication of electrochemiluminescent biosensors for IgG. Analyst, The, 2015, 140, 8172-8176.	1.7	16
13	A CdTe/CdS quantum dots amplified graphene quantum dots anodic electrochemiluminescence platform and the application for ascorbic acid detection in fruits. Electrochimica Acta, 2015, 178, 407-413.	2.6	42
14	Photoinduced electron transfer as a design concept for luminescent redox indicators. Analyst, The, 2015, 140, 7487-7495.	1.7	30
15	Potential-Modulated Electrochemiluminescence of Carbon Nitride Nanosheets for Dual-Signal Sensing of Metal Ions. ACS Applied Materials & Interfaces, 2015, 7, 23672-23678.	4.0	86
16	Luminescent mononuclear mixed ligand complexes of copper(II) with 5-phenyl-2,2'-bipyridine and triphenylphosphine. Dalton Transactions, 2015, 44, 16824-16832.	1.6	43
17	A self-irradiated electrochemiluminescence immunosensor based on Pys-Ru		

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20	Aptasensors Based on Stripping Voltammetry. <i>Chemosensors</i> , 2016, 4, 12.	1.8	6
21	Analyzing Electrochemiluminescence Mechanisms of Thiophene-Triazole-Thiophene Luminophores with In-Situ Spectroscopy. <i>ChemElectroChem</i> , 2016, 3, 2170-2178.	1.7	8
22	Electrochemiluminescence of graphitic carbon nitride and its application in ultrasensitive detection of lead(II) ions. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7181-7191.	1.9	26
23	A triple-amplification SPR electrochemiluminescence assay for chloramphenicol based on polymer enzyme-linked nanotracers and exonuclease-assisted target recycling. <i>Biosensors and Bioelectronics</i> , 2016, 86, 477-483.	5.3	37
24	Double remote electrochemical addressing and optical readout of electrochemiluminescence at the tip of an optical fiber. <i>Analyst, The</i> , 2016, 141, 4299-4304.	1.7	11
25	Generation of electrochemiluminescence at bipolar electrodes: concepts and applications. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7003-7011.	1.9	73
26	Chemically Modulated Carbon Nitride Nanosheets for Highly Selective Electrochemiluminescent Detection of Multiple Metal-ions. <i>Analytical Chemistry</i> , 2016, 88, 6004-6010.	3.2	137
27	Dual Enzymatic Detection by Bulk Electrogenerated Chemiluminescence. <i>Analytical Chemistry</i> , 2016, 88, 6585-6592.	3.2	49
28	Microscopic imaging and tuning of electrogenerated chemiluminescence with boron-doped diamond nanoelectrode arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7085-7094.	1.9	49
29	Mononuclear heteroleptic complexes of copper with 5-phenyl-2,2'-bipyridine and triphenylphosphine: crystal structures, Hirshfeld surface analysis and luminescence properties. <i>New Journal of Chemistry</i> , 2016, 40, 6156-6163.	1.4	24
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35	Discrimination between 5-Hydroxymethylcytosine and 5-Methylcytosine in DNA via Selective Electrogenerated Chemiluminescence (ECL) Labeling. <i>Analytical Chemistry</i> , 2016, 88, 9934-9940.	3.2	44
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39	N-Hydroxysuccinimide as an effective chemiluminescence coreactant for highly selective and sensitive detection. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8851-8857.	1.9	8
40	The progress of luminescent assay in clinical diagnosis and treatment of diabetes mellitus. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 322-326.	1.9	2
41	Electrochemiluminescence of Acridines. <i>Electroanalysis</i> , 2016, 28, 2672-2679.	1.5	16
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45	Temporal Sensing Platform Based on Bipolar Electrode for the Ultrasensitive Detection of Cancer Cells. <i>Analytical Chemistry</i> , 2016, 88, 8795-8801.	3.2	60
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49	Structural Insight into Electrogenerated Chemiluminescence of Para-Substituted Arylâ€“Triazoleâ€“Thienyl Compounds. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21778-21789.	1.5	8
50	Closed Bipolar Electrochemistry for the Detection of Human Immunodeficiency Virus Short Oligonucleotide. <i>Electrochimica Acta</i> , 2016, 222, 1483-1490.	2.6	11
51	Paper-Based Bipolar Electrode Electrochemiluminescence Switch for Label-Free and Sensitive Genetic Detection of Pathogenic Bacteria. <i>Analytical Chemistry</i> , 2016, 88, 10191-10197.	3.2	86
52	Ultrasensitive Glutathione Detection Based on Lucigenin Cathodic Electrochemiluminescence in the Presence of MnO ₂ Nanosheets. <i>Analytical Chemistry</i> , 2016, 88, 7654-7659.	3.2	146
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55	Cu Nanoclusters: Novel Electrochemiluminescence Emitters for Bioanalysis. <i>Analytical Chemistry</i> , 2016, 88, 11527-11532.	3.2	94

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59	Evolution of 2, 3'-bipyridine class of cyclometalating ligands as efficient phosphorescent iridium(III) emitters for applications in organic light emitting diodes. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 29, 29-47.	5.6	41
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76	Recent development of carbon electrode materials and their bioanalytical and environmental applications. <i>Chemical Society Reviews</i> , 2016, 45, 715-752.	18.7	249
77	Efficient Enhancement of Electrochemiluminescence from Cadmium Sulfide Quantum Dots by Glucose Oxidase Mimicking Gold Nanoparticles for Highly Sensitive Assay of Methyltransferase Activity. <i>Analytical Chemistry</i> , 2016, 88, 2976-2983.	3.2	118
78	In-electrode vs. on-electrode: ultrasensitive Faraday cage-type electrochemiluminescence immunoassay. <i>Chemical Communications</i> , 2016, 52, 4621-4624.	2.2	42
79	Electrochemiluminescence of Luminol-Tripropylamine System. <i>Electrochimica Acta</i> , 2016, 196, 245-251.	2.6	16
80	Electrogenerated chemiluminescence of tris(2,2'-bipyridine)ruthenium(II) using N-(3-aminopropyl)diethanolamine as coreactant. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7059-7065.	1.9	29
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87	Graphene-like 2D nanomaterial-based biointerfaces for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017, 89, 43-55.	5.3	221
88	Two-dimensional graphitic carbon nitride nanosheets for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2017, 89, 212-223.	5.3	117
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90	Theory and Simulation for Optimising Electrogenerated Chemiluminescence from Tris(2,2'-bipyridine)-ruthenium(II)-Doped Silica Nanoparticles and Tripropylamine. <i>ChemElectroChem</i> , 2017, 4, 1719-1730.	1.7	29
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106	Toward Broadband Reverse Saturable Absorption: Investigating the Impact of Cyclometalating Ligand π -Conjugation on the Photophysics and Reverse Saturable Absorption of Cationic Heteroleptic Iridium Complexes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5719-5730.	1.5	28
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109	Synthesis and solid-state properties of crosslinked alternating copolymers of phenyl vinyl ethylene carbonate and <i>N</i> -substituted maleimides. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45247.	1.3	7

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132	An ultrasensitive multi-walled carbon nanotube-platinum-luminol nanocomposite-based electrochemiluminescence immunosensor. <i>Analyst</i> , 2017, 142, 2253-2260.	1.7	36
133	Nanomaterials in Electrochemiluminescence Sensors. <i>ChemElectroChem</i> , 2017, 4, 1651-1662.	1.7	46
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139	Amine-Rich Nitrogen-Doped Carbon Nanodots as a Platform for Self-Enhancing Electrochemiluminescence. <i>Angewandte Chemie</i> , 2017, 129, 4835-4839.	1.6	42
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141	Application of Au based nanomaterials in analytical science. <i>Nano Today</i> , 2017, 12, 64-97.	6.2	68
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