Wujian Miao

List of Publications by Year
in descending order

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47	4,649	236612	233125
papers	citations	25 h-index	45 g-index

49	49	49	3271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organic Electrochemical Transistor with Molecularly Imprinted Polymer-Modified Gate for the Real-Time Selective Detection of Dopamine. ACS Applied Polymer Materials, 2022, 4, 2337-2345.	2.0	7
2	Crosslinked PEDOT:PSS Organic Electrochemical Transistors on Interdigitated Electrodes with Improved Stability. ACS Applied Polymer Materials, 2021, 3, 1436-1444.	2.0	21
3	Ultrasensitive detection of miRNA based on efficient immobilization of probe and electrochemiluminescent quenching of Ru(bpy)32+ by methylene blue. Analytica Chimica Acta, 2020, 1093, 52-60.	2.6	13
4	Synthesis and Characterization of Enhanced Photocatalytic Activity with Li⁺-Doping Nanosized TiO₂ Catalyst. ACS Omega, 2020, 5, 28510-28516.	1.6	23
5	Aggregation-Induced Electrochemiluminescence of the Dichlorobis(1,10-phenanthroline)ruthenium(II) (Ru(phen)₂Cl₂)/Tri-n-propylamine (TPrA) System in H₂Oâ€“MeCN Mixtures for Identification of Nucleic Acids. Analytical Chemistry, 2020, 92, 9613-9619.	3.2	27
6	Synergistic effects of photocatalytic and electrocatalytic oxidation based on a three-dimensional electrode reactor toward degradation of dyes in wastewater. Journal of Alloys and Compounds, 2019, 809, 151749.	2.8	37
7	Electrogenerated Chemiluminescence Biosensor with a Tripod Probe for the Highly Sensitive Detection of MicroRNA. Analytical Chemistry, 2019, 91, 1452-1459.	3.2	43
8	Photoelectrochemical studies on earth abundant pentanickel polyoxometalates as co-catalysts for solar water oxidation. Sustainable Energy and Fuels, 2018, 2, 827-835.	2.5	5
9	In situ enhanced electrochemiluminescence based on co-reactant self-generated for sensitive detection of microRNA. Sensors and Actuators B: Chemical, 2018, 255, 35-41.	4.0	19
10	Spectrum-Resolved Dual-Color Electrochemiluminescence Immunoassay for Simultaneous Detection of Two Targets with Nanocrystals as Tags. Analytical Chemistry, 2017, 89, 13024-13029.	3.2	84
11	Effects of multi-walled carbon nanotubes on the electrogenerated chemiluminescence and fluorescence of CdTe quantum dots. Analytical and Bioanalytical Chemistry, 2016, 408, 7049-7057.	1.9	11
12	Molecular-Counting-Free and Electrochemiluminescent Single-Molecule Immunoassay with Dual-Stabilizers-Capped CdSe Nanocrystals as Labels. Analytical Chemistry, 2016, 88, 5482-5488.	3.2	80
13	Investigation of perfluorooctanoic acid induced DNA damage using electrogenerated chemiluminescence associated with charge transfer in DNA. Analytical and Bioanalytical Chemistry, 2016, 408, 7137-7145.	1.9	5
14	An ultrasensitive electrogenerated chemiluminescence-based immunoassay for specific detection of Zika virus. Scientific Reports, 2016, 6, 32227.	1.6	40
15	Spectrum-Based Electrochemiluminescent Immunoassay with Ternary CdZnSe Nanocrystals as Labels. Analytical Chemistry, 2016, 88, 6947-6953.	3.2	72
16	Electrogenerated Chemiluminescence (ECL) Quenching of the Ru(bpy)32+/TPrA System by the Explosive TNT. Electrochimica Acta, 2015, 180, 196-201.	2.6	20
17	Sensitive Determination of Triacetone Triperoxide Explosives Using Electrogenerated Chemiluminescence. Analytical Chemistry, 2013, 85, 8008-8015.	3.2	47
18	Ultrasensitive electrogenerated chemiluminescence biosensor for the determination of mercury ion incorporating G4 PAMAM dendrimer and Hg(II)-specific oligonucleotide. Biosensors and Bioelectronics, 2012, 32, 37-42.	5.3	43

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19	Cathodic Stripping Synthesis and Cytotoxity Studies of Glutathione-Capped CdTe Quantum Dots. Journal of Nanoscience and Nanotechnology, 2011, 11, 6710-6717.	0.9	3
20	Electrogenerated chemiluminescence determination of C-reactive protein with carboxyl CdSe/ZnS core/shell quantum dots. Physical Chemistry Chemical Physics, 2010, 12, 10073.	1.3	56
21	Double Covalent Coupling Method for the Fabrication of Highly Sensitive and Reusable Electrogenerated Chemiluminescence Sensors. Analytical Chemistry, 2010, 82, 5046-5052.	3.2	98
22	Ultrasensitive detection of TNT in soil, water, using enhanced electrogenerated chemiluminescence. Analytica Chimica Acta, 2009, 632, 197-202.	2.6	57
23	Electrochemical and Electrogenerated Chemiluminescent Studies of a Trinuclear Complex, [((phen)₂Ru(dpp))₂RhCl₂]⁵⁺, and Its Interactions with Calf Thymus DNA. Analytical Chemistry, 2009, 81, 4068-4075.	3.2	31
24	Sensitive Determination of Hexamethylene Triperoxide Diamine Explosives, Using Electrogenerated Chemiluminescence Enhanced by Silver Nitrate. Analytical Chemistry, 2009, 81, 5267-5272.	3.2	26
25	EQCM study of the ECL quenching of the tris(2,2â€²-bipyridyl)ruthenium(II)/tris-n-propylamine system at a Au electrode in the presence of chloride ions. Electrochimica Acta, 2008, 53, 7661-7667.	2.6	21
26	Electrogenerated Chemiluminescence and Its Biorelated Applications. Chemical Reviews, 2008, 108, 2506-2553.	23.0	1,810
27	Examination of Electron Transfer Through DNA Using Electrogenerated Chemiluminescence. Journal of Physical Chemistry C, 2008, 112, 16999-17004.	1.5	38
28	Pitting Corrosion of Zn and Zn-Al Coated Steels in pH 2 to 12 NaCl Solutions. Journal of the Electrochemical Society, 2007, 154, C7.	1.3	45
29	Electrogenerated Chemiluminescence. , 2007, , 541-590.		16
30	Characterization and Photopolymerization of Divinyl Fumarate. Macromolecules, 2007, 40, 6172-6180.	2.2	14
31	Electrochemistry and Electrogenerated Chemiluminescence of All-trans Conjugated Polymer Poly[distyrylbenzene-b-(ethylene Oxide)]s. Journal of Physical Chemistry B, 2006, 110, 15719-15723.	1.2	14
32	Glutaraldehyde-modified electrode for nonlabeling voltammetric detection of p16 INK4A gene. Analytical and Bioanalytical Chemistry, 2005, 383, 651-659.	1.9	18
33	Electrogenerated Chemiluminescence (ECL). , 2004, , 1-12.		0
34	Electrogenerated Chemiluminescence. 77. DNA Hybridization Detection at High Amplification with [Ru(bpy)3]2+-Containing Microspheres. Analytical Chemistry, 2004, 76, 5379-5386.	3.2	199
35	Electrogenerated Chemiluminescence. 80. C-Reactive Protein Determination at High Amplification with [Ru(bpy)3]2+-Containing Microspheres. Analytical Chemistry, 2004, 76, 7109-7113.	3.2	150
36	Coreactants. , 2004, , 213-271.		7

#	Article	IF	Citations
37	Electrogenerated Chemiluminescence. 72. Determination of Immobilized DNA and C-Reactive Protein on Au(111) Electrodes Using Tris(2,2â€˜-bipyridyl)ruthenium(II) Labels. Analytical Chemistry, 2003, 75, 5825-5834.	3.2	180
38	Electrogenerated Chemiluminescence 69:Â The Tris(2,2â€˜-bipyridine)ruthenium(II), (Ru(bpy)32+)/Tri-n-propylamine (TPrA) System RevisitedA New Route Involving TPrAâ€¢+Cation Radicals. Journal of the American Chemical Society, 2002, 124, 14478-14485.	6.6	847
39	Solution Viscosity Effects on the Heterogeneous Electron Transfer Kinetics of Ferrocenemethanol in Dimethyl Sulfoxideâ^'Water Mixtures. Journal of Physical Chemistry B, 2002, 106, 1392-1398.	1.2	129
40	Electrochemical and Structural Studies on Microcrystals of the (C60)x(CTV) Inclusion Complexes (x =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	30
41	Electron Self-Exchange in the Solid-State: Cocrystals of Hydroquinone and Bipyridyl Triazole. Journal of the American Chemical Society, 2001, 123, 2877-2884.	6.6	46
42	Modelling of solid-state, dissolution and solution-phase reactions at adhered solidâ€“electrodeâ€“solvent (electrolyte) interfaces: electrochemistry of microcrystals of C60 adhered to an electrode in contact with dichloromethane (Bu4NClO4). Journal of Electroanalytical Chemistry, 2001, 501, 22-32.	1.9	18
43	Identification of Processes that Occur after Reduction and Dissolution of C60Adhered to Gold, Glassy Carbon, and Platinum Electrodes Placed in Acetonitrile (Electrolyte) Solution. Journal of Physical Chemistry B, 2000, 104, 2320-2329.	1.2	30
44	Electrochemical, EPR, and Magnetic Studies on Microcrystals of the [C60âŠ,(p-Benzyl-calix[5]arene)2]â€¢8Toluene and Its One-Electron-Reduced Encapsulation Complex. Journal of Physical Chemistry B, 2000, 104, 8129-8137.	1.2	14
45	Mercury(II) Immobilized on Carbon Nanotubes:â€‰ Synthesis, Characterization, and Redox Properties. Langmuir, 2000, 16, 6004-6012.	1.6	68
46	Voltammetric reduction of mercury(II), silver(I), lead(II) and copper(II) ions adsorbed onto a new form of mesoporous silica. Analytica Chimica Acta, 1999, 396, 203-213.	2.6	17
47	Evidence for Nucleation-Growth, Redistribution, and Dissolution Mechanisms during the Course of Redox Cycling Experiments on the C60/NBu4C60Solid-State Redox System:Â Voltammetric, SEM, and in Situ AFM Studies. Journal of Physical Chemistry B, 1999, 103, 5637-5644.	1.2	62