Honglan Qi

List of Publications by Year
in descending order

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112	3,757	109321	149698
papers	citations	35 h-index	56 g-index

112	112	112	3635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrogenerated Chemiluminescence Biosensing. Analytical Chemistry, 2020, 92, 524-534.	6.5	247
2	Simultaneous Determination of Hydroquinone and Catechol at a Glassy Carbon Electrode Modified with Multiwall Carbon Nanotubes. Electroanalysis, 2005, 17, 832-838.	2.9	222
3	Electrogenerated Chemiluminescence DNA Biosensor Based on Hairpin DNA Probe Labeled with Ruthenium Complex. Analytical Chemistry, 2008, 80, 2888-2894.	6.5	189
4	Electrogenerated chemiluminescence aptamer-based biosensor for the determination of cocaine. Electrochemistry Communications, 2007, 9, 2571-2575.	4.7	123
5	Electrogenerated Chemiluminescence Peptide-Based Biosensor for the Determination of Prostate-Specific Antigen Based on Target-Induced Cleavage of Peptide. Analytical Chemistry, 2014, 86, 1372-1379.	6.5	114
6	Applications of Nanomaterials in Electrogenerated Chemiluminescence Biosensors. Sensors, 2009, 9, 674-695.	3.8	104
7	Double Covalent Coupling Method for the Fabrication of Highly Sensitive and Reusable Electrogenerated Chemiluminescence Sensors. Analytical Chemistry, 2010, 82, 5046-5052.	6.5	98
8	Synthesis, Electrochemistry, and Electrogenerated Chemiluminescence of Two BODIPY-Appended Bipyridine Homologues. Journal of the American Chemical Society, 2013, 135, 13558-13566.	13.7	89
9	Electrochemical detection of DNA hybridization based on polypyrrole/ss-DNA/multi-wall carbon nanotubes paste electrode. Talanta, 2007, 72, 1030-1035.	5.5	80
10	Electrogenerated chemiluminescence aptamer-based method for the determination of thrombin incorporating quenching of tris(2,2â€²-bipyridine)ruthenium by ferrocene. Electrochemistry Communications, 2008, 10, 1322-1325.	4.7	71
11	Proximity Hybridization-Regulated Immunoassay for Cell Surface Protein and Protein-Overexpressing Cancer Cells via Electrochemiluminescence. Analytical Chemistry, 2018, 90, 3013-3018.	6.5	68
12	Electrogenerated Chemiluminescence of ZnS Nanoparticles in Alkaline Aqueous Solution. Journal of Physical Chemistry C, 2007, 111, 8172-8175.	3.1	65
13	Electrogenerated Chemiluminescence from Heteroleptic Iridium(III) Complexes with Multicolor Emission. Inorganic Chemistry, 2015, 54, 1446-1453.	4.0	63
14	Electrochemical Aptasensor for the Determination of Cocaine Incorporating Gold Nanoparticles Modification. Electroanalysis, 2008, 20, 1475-1482.	2.9	61
15	Recent advances in electrogenerated chemiluminescence biosensing methods for pharmaceuticals. Journal of Pharmaceutical Analysis, 2019, 9, 9-19.	5.3	60
16	A label-free supersandwich electrogenerated chemiluminescence method for the detection of DNA methylation and assay of the methyltransferase activity. Chemical Communications, 2013, 49, 3869.	4.1	56
17	Label-free electrochemical impedance peptide-based biosensor for the detection of cardiac troponin I incorporating gold nanoparticles modified carbon electrode. Journal of Electroanalytical Chemistry, 2016, 781, 212-217.	3.8	54
18	Aggregation-Induced Enhanced Electrochemiluminescence from Organic Nanoparticles of Donorâ€“Acceptor Based Coumarin Derivatives. ACS Applied Materials & Interfaces, 2017, 9, 44324-44331.	8.0	54

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19	Electrochemistry and Electrogenerated Chemiluminescence of Ï€-Stacked Poly(fluorenemethylene) Oligomers. Multiple, Interacting Electron Transfers. Journal of the American Chemical Society, 2012, 134, 16265-16274.	13.7	52
20	Ultrasensitive Electrogenerated Chemiluminescence Peptide-Based Method for the Determination of Cardiac Troponin I Incorporating Amplification of Signal Reagent-Encapsulated Liposomes. Analytical Chemistry, 2013, 85, 3886-3894.	6.5	51
21	Electrogenerated chemiluminescence biosensor array for the detection of multiple AMI biomarkers. Sensors and Actuators B: Chemical, 2018, 257, 60-67.	7.8	50
22	Label-free electrochemical impedance spectroscopy biosensor for the determination of human immunoglobulin G. Mikrochimica Acta, 2010, 170, 33-38.	5.0	49
23	Electrochemistry and Electrogenerated Chemiluminescence of 1,3,5-Tri(anthracen-10-yl)-benzene-Centered Starburst Oligofluorenes. Journal of the American Chemical Society, 2016, 138, 1947-1954.	13.7	48
24	Discrimination between 5-Hydroxymethylcytosine and 5-Methylcytosine in DNA via Selective Electrogenerated Chemiluminescence (ECL) Labeling. Analytical Chemistry, 2016, 88, 9934-9940.	6.5	44
25	Homogeneous electrogenerated chemiluminescence immunoassay for the determination of digoxin. Analytica Chimica Acta, 2004, 501, 31-35.	5.4	43
26	Electrochemiluminescence Imaging for the Morphological and Quantitative Analysis of Living Cells under External Stimulation. Analytical Chemistry, 2020, 92, 8278-8284.	6.5	42
27	Nanomaterial-amplified â€œsignal off/onâ€•electrogenerated chemiluminescence aptasensors for the detection of thrombin. Biosensors and Bioelectronics, 2010, 26, 754-759.	10.1	41
28	Electrogenerated Chemiluminescence Bioassay of Two Protein Kinases Incorporating Peptide Phosphorylation and Versatile Probe. Analytical Chemistry, 2016, 88, 8720-8727.	6.5	41
29	Sensitive electrochemical immunosensor array for the simultaneous detection of multiple tumor markers. Analyst, The, 2012, 137, 393-399.	3.5	40
30	Electrogenerated chemiluminescence biosensor incorporating ruthenium complex-labelled Concanavalin A as a probe for the detection of Escherichia coli. Biosensors and Bioelectronics, 2012, 35, 376-381.	10.1	40
31	Improvement of the Biocompatibility and Potential Stability of Chronically Implanted Electrodes Incorporating Coating Cell Membranes. ACS Applied Materials & Interfaces, 2019, 11, 8807-8817.	8.0	39
32	Electrochemistry and Electrogenerated Chemiluminescence of Three Phenanthrene Derivatives, Enhancement of Radical Stability, and Electrogenerated Chemiluminescence Efficiency by Substituent Groups. Journal of the American Chemical Society, 2013, 135, 9041-9049.	13.7	38
33	Electro-oxidative polymerization of phenothiazine dyes into a multilayer-containing carbon nanotube on a glassy carbon electrode for the sensitive and low-potential detection of NADH. Mikrochimica Acta, 2010, 168, 299-307.	5.0	37
34	Sensitive and antifouling impedimetric aptasensor for the determination of thrombin in undiluted serum sample. Biosensors and Bioelectronics, 2013, 39, 324-328.	10.1	37
35	Highly selective electrogenerated chemiluminescence biosensor for simultaneous detection of matrix metalloproteinase-2 and matrix metalloproteinase-7 in cell secretions. Sensors and Actuators B: Chemical, 2017, 253, 69-76.	7.8	37
36	Multifunctional zeolitic imidazolate framework-8 for real-time monitoring ATP fluctuation in mitochondria during photodynamic therapy. Nanoscale, 2020, 12, 15663-15669.	5.6	36

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37	A signal-on electrogenerated chemiluminescent biosensor for lead ion based on DNAzyme. Analytica Chimica Acta, 2011, 683, 234-241.	5.4	35
38	Reagent-less electrogenerated chemiluminescence peptide-based biosensor for the determination of prostate-specific antigen. Talanta, 2012, 100, 162-167.	5.5	34
39	Electrochemical determination of trypsin using a heptapeptide substrate self-assembled on a gold electrode. Mikrochimica Acta, 2015, 182, 43-49.	5.0	33
40	Proximity hybridization-regulated electrogenerated chemiluminescence bioassay of Î±-fetoprotein via target-induced quenching mechanism. Biosensors and Bioelectronics, 2017, 98, 62-67.	10.1	33
41	Electrochemical Nanoaptasensor for Continuous Monitoring of ATP Fluctuation at Subcellular Level. Analytical Chemistry, 2020, 92, 10940-10945.	6.5	31
42	Mediatorless amperometric bienzyme glucose biosensor based on horseradish peroxidase and glucose oxidase cross-linked to multiwall carbon nanotubes. Mikrochimica Acta, 2014, 181, 535-541.	5.0	30
43	Highly efficient electrochemiluminescence of ruthenium complex-functionalized CdS quantum dots and their analytical application. Journal of Materials Chemistry B, 2020, 8, 3598-3605.	5.8	30
44	Sensitive electrogenerated chemiluminescence peptide-based biosensor for the determination of troponin I with gold nanoparticles amplification. Gold Bulletin, 2014, 47, 57-64.	2.4	28
45	A â€œswitch-onâ€•photoluminescent and electrochemiluminescent multisignal probe for hypochlorite via a cyclometalated iridium complex. Analytica Chimica Acta, 2019, 1074, 98-107.	5.4	27
46	Separation-Free Electrogenerated Chemiluminescence Immunoassay Incorporating Target Assistant Proximity Hybridization and Dynamically Competitive Hybridization of a DNA Signal Probe. Analytical Chemistry, 2020, 92, 884-891.	6.5	27
47	Electrochemical Detection of DNA Hybridization Based on the Probe Labeled with Carbonâ€Nanotubes Loaded with Silver Nanoparticles. Electroanalysis, 2008, 20, 123-130.	2.9	26
48	Homogenous electrogenerated chemiluminescence immunoassay for human immunoglobulin G using N-(aminobutyl)-N-ethylisoluminol as luminescence label at gold nanoparticles modified paraffin-impregnated graphite electrode. Talanta, 2008, 75, 684-690.	5.5	26
49	Detection of DNA immobilized on bare gold electrodes and gold nanoparticle-modified electrodes via electrogenerated chemiluminescence using a ruthenium complex as a tag. Mikrochimica Acta, 2009, 164, 69-76.	5.0	26
50	Highly sensitive detection of DNA using an electrochemical DNA sensor with thionine-capped DNA/gold nanoparticle conjugates as signal tags. Electrochemistry Communications, 2013, 34, 18-21.	4.7	26
51	Matrixâ€Free and Highly Efficient Roomâ€Temperature Phosphorescence Carbon Dots towards Information Encryption and Decryption. Chemistry - an Asian Journal, 2020, 15, 1281-1284.	3.3	25
52	Electrogenerated Chemiluminescence Bioanalytic System Based on Biocleavage of Probes and Homogeneous Detection. Analytical Chemistry, 2015, 87, 6510-6515.	6.5	24
53	Electrogenerated chemiluminescence biosensing for the detection of prostate PC-3 cancer cells incorporating antibody as capture probe and ruthenium complex-labelled wheat germ agglutinin as signal probe. Analytica Chimica Acta, 2015, 863, 1-8.	5.4	24
54	Highly selective electrochemical method for the detection of serotonin at carbon fiber microelectrode modified with gold nanoflowers and overoxidized polypyrrole. Chinese Chemical Letters, 2019, 30, 1643-1646.	9.0	24

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55	Electrogenerated chemiluminescence biosensing method for the discrimination of DNA hydroxymethylation and assay of the Î²-glucosyltransferase activity. Biosensors and Bioelectronics, 2016, 79, 92-97.	10.1	23
56	A fluorine-doped tin oxide electrode modified with gold nanoparticles for electrochemiluminescent determination of hydrogen peroxide released by living cells. Mikrochimica Acta, 2017, 184, 603-610.	5.0	23
57	Highly Efficient Aggregation-Induced Enhanced Electrochemiluminescence of Cyanophenyl-Functionalized Tetraphenylethene and Its Application in Biothiols Analysis. Analytical Chemistry, 2022, 94, 5441-5449.	6.5	23
58	Aldehyde bearing bis-cyclometalated Ir(III) complex as selective photoluminescence turn-on probe for imaging intracellular homocysteine. Sensors and Actuators B: Chemical, 2017, 245, 853-859.	7.8	22
59	Electrogenerated chemiluminesence method for the determination of riboflavin at an ionic liquid modified gold electrode. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 211-215.	3.9	21
60	Double electrochemical covalent coupling method based on click chemistry and diazonium chemistry for the fabrication of sensitive amperometric immunosensor. Analytica Chimica Acta, 2013, 792, 28-34.	5.4	21
61	Efficient electronic coupling and heterogeneous charge transport of zero-dimensional Cs₄PbBr₆ perovskite emitters. Journal of Materials Chemistry A, 2020, 8, 23803-23811.	10.3	21
62	Electrogenerated chemiluminescence sensor for the determination of propranolol hydrochloride. Analytical Methods, 2011, 3, 446.	2.7	20
63	Simple and sensitive electrogenerated chemiluminescence peptide-based biosensor for detection of matrix metalloproteinase 2 released from living cells. Analytical and Bioanalytical Chemistry, 2016, 408, 7067-7075.	3.7	20
64	Triphenothiazinyl triazacoronenes: donorâ€“acceptor molecular graphene exhibiting multiple fluorescence and electrogenerated chemiluminescence emissions. Journal of Materials Chemistry C, 2017, 5, 4293-4301.	5.5	20
65	Efficient green electrogenerated chemiluminescence from cyclometalated iridium(III) complex. Journal of Electroanalytical Chemistry, 2015, 755, 71-76.	3.8	19
66	A New Molecular Recognition Concept: Multiple Hydrogen Bonds and Their Optically Triggered Proton Transfer in Confined Metalâ€“Organic Frameworks for Superior Sensing Element. ACS Applied Materials & Interfaces, 2021, 13, 22457-22465.	8.0	19
67	Rapid â€œturn-onâ€•photoluminescence detection of bisulfite in wines and living cells with a formyl bearing bis-cyclometalated Ir(<scp>iii</scp>) complex. Analyst, The, 2018, 143, 3670-3676.	3.5	18
68	Twisted configuration pyrene derivative: exhibiting pure blue monomer photoluminescence and electrogenerated chemiluminescence emissions in non-aqueous media. RSC Advances, 2017, 7, 22882-22891.	3.6	17
69	Sensitive competitive flow injection chemiluminescence immunoassay for IgG using gold nanoparticle as label. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 498-503.	3.9	16
70	Luminescence of ferrocene-modified pyrene derivatives for turn-on sensing of Cu 2+ and anions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 184, 30-37.	3.9	16
71	Electrogenerated Chemiluminescence Immunoassays on Nanoelectrode Ensembles Platform with Magnetic Microbeads for the Determination of Carbohydrate Antigen. Analytical Chemistry, 2020, 92, 15837-15844.	6.5	16
72	Highly Efficient Electrogenerated Chemiluminescence Quenching on Lipid-Coated Multifunctional Magnetic Nanoparticles for the Determination of Proteases. Analytical Chemistry, 2022, 94, 2305-2312.	6.5	15

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73	Ultratrace voltammetric method for the detection of DNA sequence related to human immunodeficiency virus type 1. Mikrochimica Acta, 2011, 172, 291-297.	5.0	14
74	Label-free supersandwich electrogenerated chemiluminescence biosensor for the determination of the HIV gene. Mikrochimica Acta, 2014, 181, 1293-1300.	5.0	14
75	Self-Terminated Electroless Deposition of Surfactant-Free and Monodispersed Pt Nanoparticles on Carbon Fiber Microelectrodes for Sensitive Detection of H₂O₂ Released from Living Cells. Analytical Chemistry, 2021, 93, 16683-16689.	6.5	14
76	Cyclometalated Iridiumâ€Complexâ€Based Labelâ€Free Supersandwich Electrogenerated Chemiluminescence Biosensor for the Detection of Microâ€RNA. ChemElectroChem, 2017, 4, 1775-1782.	3.4	13
77	Highly dispersive Ptâ€“Pd nanoparticles on graphene oxide sheathed carbon fiber microelectrodes for electrochemical detection of H₂O₂released from living cells. Nanotechnology, 2020, 31, 135503.	2.6	13
78	Monitoring casein kinase II at subcellular level via bio-bar-code-based electrochemiluminescence biosensing method. Chinese Chemical Letters, 2020, 31, 2520-2524.	9.0	13
79	Electrogenerated chemiluminescence reaction of lucigenin with isatin at a platinum electrode. Luminescence, 2004, 19, 21-25.	2.9	12
80	Highly Sensitive Electrochemiluminescence Assay for Cardiac Troponin I and Adenosine Triphosphate by using Supersandwich Amplification and Bifunctional Aptamer. ChemElectroChem, 2017, 4, 1708-1713.	3.4	12
81	Homogeneous electrogenerated chemiluminescence peptide-based method for determination of troponin I. Analytical Methods, 2012, 4, 2469.	2.7	11
82	Electrogenerated chemiluminescence peptide-based biosensing method for cardiac troponin I using peptide-integrating Ru(bpy)3 2+-functionalized gold nanoparticles as nanoprobe. Gold Bulletin, 2015, 48, 21-29.	2.4	11
83	Sensitive and versatile electrogenerated chemiluminescence biosensing platform for protein kinase based on Ru(bpy)32+ functionalized gold nanoparticles mediated signal transduction. Analytica Chimica Acta, 2016, 906, 72-79.	5.4	11
84	Homogeneous electrogenerated chemiluminescence immunoassay for the detection of biomarkers by magnetic preconcentration on a magnetic electrode. Analytical and Bioanalytical Chemistry, 2019, 411, 4203-4211.	3.7	11
85	Combining 3D graphene-like screen-printed carbon electrode with methylene blue-loaded liposomal nanoprobes for phospholipase A2 detection. Biosensors and Bioelectronics, 2019, 126, 255-260.	10.1	11
86	Label-free and amplified electrogenerated chemiluminescence biosensing method for the determination of DNA methyltransferase activity using signal reagent-assembled graphene oxide. Electrochimica Acta, 2014, 137, 454-461.	5.2	10
87	Ultrasensitive Electrochemiluminescence Aptasensor for Assessment of Protein Heterogeneity in Small Cell Population. ACS Applied Bio Materials, 2019, 2, 3052-3058.	4.6	10
88	Synthesis of pH-responsive cyclometalated iridium(<scp>iii</scp>) complex and its application in the selective killing of cancerous cells. Dalton Transactions, 2021, 50, 17338-17345.	3.3	10
89	Sensitive and selective electrogenerated chemiluminescence aptasensing method for the determination of dopamine based on target-induced conformational displacement. Bioelectrochemistry, 2022, 146, 108148.	4.6	10
90	Selective DNA detection at Zeptomole level based on coulometric measurement of gold nanoparticle-mediated electron transfer across a self-assembled monolayer. Science China Chemistry, 2013, 56, 1009-1016.	8.2	9

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91	Electrogenerated chemiluminescence aptasensor for ultrasensitive detection of thrombin incorporating an auxiliary probe. Talanta, 2014, 130, 370-376.	5.5	9
92	Non-Covalent Fluorescent Labeling of Hairpin DNA Probe Coupled with Hybridization Chain Reaction for Sensitive DNA Detection. Applied Spectroscopy, 2016, 70, 688-694.	2.2	9
93	Lateral flow immunostrips for the sensitive and rapid determination of 8-hydroxy-2â€²-deoxyguanosine using upconversion nanoparticles. Mikrochimica Acta, 2020, 187, 377.	5.0	9
94	Digital electrogenerated chemiluminescence biosensor for the determination of multiple proteins based on Boolean logic gate. Analytical Methods, 2013, 5, 612.	2.7	8
95	Quantum dot cluster (QDC)-loaded phospholipid micelles as a FRET probe for phospholipase A2 detection. RSC Advances, 2016, 6, 15895-15899.	3.6	7
96	Labelâ€free Electrochemical Aptasensor for the Determination of Serotonin. Electroanalysis, 2022, 34, 1048-1053.	2.9	7
97	Organic nanoparticles for electrogenerated chemiluminescence assay. Current Opinion in Electrochemistry, 2022, 34, 101023.	4.8	7
98	Carboxyl group bearing iridium(III) solvent complex as photoluminescence and electrochemiluminescence probe for the detection of histidine. Journal of Electroanalytical Chemistry, 2022, 920, 116578.	3.8	7
99	Electrogenerated chemiluminescence aptasensor for thrombin incorporating poly(pyrrole-co-pyrrole) Tj ETQq1 1 0.784314 rgBT /Over 2011, 54, 1357-1364.	8.2	5
100	A photoelectrochemical sensor through quenching of photoinduced electrons based on a G-quadruplex/hemin complex. Analytical Methods, 2015, 7, 3697-3700.	2.7	5
101	Electroless deposition of gold nanoparticles on carbon nanopipette electrode for electrochemical detection of catecholamines released from PC12 cells. Mikrochimica Acta, 2020, 187, 595.	5.0	5
102	Electrogenerated chemiluminescence peptide-based bioassay. Reviews in Analytical Chemistry, 2014, 33, .	3.2	4
103	Simple and highly sensitive electrogenerated chemiluminescence adenosine aptasensor formed by adsorbing a ruthenium complex-tagged aptamer on single-walled carbon nanotubes. Analytical Methods, 2014, 6, 1317.	2.7	4
104	Design and Application of Multi-functional Electrogenerated Chemiluminescence Imaging Analyzer. Analytical Sciences, 2016, 32, 1023-1027.	1.6	4
105	Single Particleâ€Based Confocal Laser Scanning Microscopy for Visual Detection of Copper Ions in Confined Space â€. Chinese Journal of Chemistry, 2021, 39, 1804-1810.	4.9	4
106	â€œSignalâ€onâ€•Electrogenerated Chemiluminescence Biosensing Method for the Determination of Matrix Metalloproteinase 2. Electroanalysis, 2022, 34, 281-285.	2.9	4
107	Energy Transfer Electrogenerated Chemiluminescence for the Determination of Sulfite. Mikrochimica Acta, 2004, 144, 155-160.	5.0	3
108	Sensitive and rapid determination of heat shock protein 70 using lateral flow immunostrips and upconversion nanoparticle fluorescence probes. Analyst, The, 2022, 147, 3444-3450.	3.5	3

#	Article	IF	Citations
109	Cyclometalated iridium complex-based photoluminescent and electrochemiluminescent probe for acidic pH detection. Inorganic Chemistry Communication, 2019, 106, 95-98.	3.9	2
110	Determination of mutated genes in the presence of wild-type DNA by using molecular beacons as probe. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 174, 286-290.	3.9	0
111	EXPRESS: Cyclometalated Iridium Complex as Offâ€“Onâ€“Off Reversible Photoluminescence Probe for Redox Cycle HSO₃â€“/H₂O₂ in Living Cells. Applied Spectroscopy, 2019, 73, 000370281986157.	2.2	0
112	Electrogenerated Chemiluminescence Method for Determination of 5-Hydroxymethylcytosine in DNA. Springer Protocols, 2022, , 65-75.	0.3	0