

Shou-Nian Ding

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105
papers

2,136
citations

27
h-index

39
g-index

109
ext. papers

2,473
ext. citations

5.7
avg, IF

5.67
L-index

#	Paper	IF	Citations
105	Enhanced solid-state electrochemiluminescence of CdS nanocrystals composited with carbon nanotubes in H ₂ O ₂ solution. <i>Chemical Communications</i> , 2006 , 3631-3	5.8	145
104	One-pot green synthesis of high quantum yield oxygen-doped, nitrogen-rich, photoluminescent polymer carbon nanoribbons as an effective fluorescent sensing platform for sensitive and selective detection of silver(I) and mercury(II) ions. <i>Analytical Chemistry</i> , 2014 , 86, 7436-45	7.8	117
103	Development of a lateral flow immunoassay strip for rapid detection of IgG antibody against SARS-CoV-2 virus. <i>Analyst, The</i> , 2020 , 145, 5345-5352	5	67
102	Tris(2,2'-bipyridyl)ruthenium(II)-zirconia-Nafion composite films applied as solid-state electrochemiluminescence detector for capillary electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 1737-44	3.6	55
101	Tris(2,2'-bipyridyl)ruthenium(II)-Zirconia-Nafion composite modified electrode applied as solid-state electrochemiluminescence detector on electrophoretic microchip for detection of pharmaceuticals of tramadol, lidocaine and ofloxacin. <i>Talanta</i> , 2006 , 70, 572-7	6.2	54
100	Colloidal laponite nanoparticles: extended application in direct electrochemistry of glucose oxidase and reagentless glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1427-33	11.8	52
99	Perspective on signal amplification strategies and sensing protocols in photoelectrochemical immunoassay. <i>Coordination Chemistry Reviews</i> , 2019 , 391, 1-14	23.2	47
98	Electrochemiluminescence of a nanoAg-carbon nanodot composite and its application to detect sulfide ions. <i>Analyst, The</i> , 2014 , 139, 1751-5	5	46
97	TiO ₂ nanocrystals electrochemiluminescence quenching by biological enlarged nanogold particles and its application for biosensing. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 342-5	11.8	45
96	Graphite paper-based bipolar electrode electrochemiluminescence sensing platform. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 47-55	11.8	42
95	Polycrystalline bismuth oxide films for development of amperometric biosensor for phenolic compounds. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3671-6	11.8	41
94	Xanthine oxidase/laponite nanoparticles immobilized on glassy carbon electrode: direct electron transfer and multielectrocatalysis. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3556-61	11.8	40
93	Laccase electrodes based on the combination of single-walled carbon nanotubes and redox layered double hydroxides: Towards the development of biocathode for biofuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 4714-4717	8.9	40
92	Patchy gold coated FeO nanospheres with enhanced catalytic activity applied for paper-based bipolar electrode-electrochemiluminescence aptasensors. <i>Biosensors and Bioelectronics</i> , 2018 , 114, 44-51	11.8	39
91	Enhanced solid-state electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium(II) incorporated into electrospun nanofibrous mat. <i>Analytical Chemistry</i> , 2010 , 82, 5892-6	7.8	39
90	Single-walled carbon nanotubes noncovalently functionalized by ruthenium(II) complex tagged with pyrene: electrochemical and electrogenerated chemiluminescence properties. <i>Chemistry - A European Journal</i> , 2012 , 18, 11564-8	4.8	38
89	CdZnTeS quantum dots based electrochemiluminescent image immunoanalysis. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 145-152	11.8	36

88	An easy compartment-less biofuel cell construction based on the physical co-inclusion of enzyme and mediator redox within pressed graphite discs. <i>Electrochemistry Communications</i> , 2010 , 12, 266-269	5.1	36
87	Plasmonic Enhanced Gold Nanoclusters-Based Photoelectrochemical Biosensor for Sensitive Alkaline Phosphatase Activity Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 6886-6892	7.8	33
86	Label-free detection of sulfide ions based on fluorescence quenching of unmodified core-shell Au@Ag nanoclusters. <i>RSC Advances</i> , 2014 , 4, 9825	3.7	33
85	A promising biosensing-platform based on bismuth oxide polycrystalline-modified electrode: characterization and its application in development of amperometric glucose sensor. <i>Bioelectrochemistry</i> , 2010 , 79, 218-22	5.6	32
84	General Strategy to Fabricate Electrochemiluminescence Sandwich-Type Nanoimmunosensors Using CdTe@ZnS Quantum Dots as Luminescent Labels and Fe ₃ O ₄ @SiO ₂ Nanoparticles as Magnetic Separable Scaffolds. <i>ACS Sensors</i> , 2016 , 1, 358-365	9.2	31
83	Non-enzymatic amperometric determination of cellular hydrogen peroxide using dendrimer-encapsulated Pt nanoclusters/carbon nanotubes hybrid composites modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 200-207	8.5	29
82	Fluorometric determination of cadmium(II) and mercury(II) using nanoclusters consisting of a gold-nickel alloy. <i>Mikrochimica Acta</i> , 2015 , 182, 2223-2231	5.8	29
81	Off-on phosphorescence assay of heparin via gold nanoclusters modulated with protamine. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 333-7	11.8	29
80	Sandwich-structured electrogenerated chemiluminescence immunosensor based on dual-stabilizers-capped CdTe quantum dots as signal probes and Fe ₃ O ₄ -Au nanocomposites as magnetic separable carriers. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 1123-1133	8.5	28
79	Performance-enhanced cholesterol biosensor based on biocomposite system: Layered double hydroxides-chitosan. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 659, 1-5	4.1	27
78	Glucose oxidase immobilized in alginate/layered double hydroxides hybrid membrane and its biosensing application. <i>Analytical Sciences</i> , 2009 , 25, 1421-5	1.7	26
77	Microchip capillary electrophoresis coupled with an end-column electrochemiluminescence detection. <i>Talanta</i> , 2006 , 70, 403-7	6.2	26
76	Dual-signal-amplified electrochemiluminescence biosensor for microRNA detection by coupling cyclic enzyme with CdTe QDs aggregate as luminophor. <i>Biosensors and Bioelectronics</i> , 2019 , 134, 109-116	11.8	24
75	Electrochromic response and electrochemiluminescence of CdS nanocrystals thin film in aqueous solution. <i>Electrochemistry Communications</i> , 2010 , 12, 713-716	5.1	24
74	Ultrasensitive Detection of Severe Fever with Thrombocytopenia Syndrome Virus Based on Immunofluorescent Carbon Dots/SiO Nanosphere-Based Lateral Flow Assay. <i>ACS Omega</i> , 2019 , 4, 21431-21438	3.9	24
73	Synthesis of graphene/CNT hybrids via joule heating: Structural characterization and electrical transport. <i>Carbon</i> , 2013 , 53, 260-268	10.4	23
72	One-Pot Hydrothermal Synthesis of Magnetite Prussian Blue Nano-Composites and Their Application to Fabricate Glucose Biosensor. <i>Sensors</i> , 2016 , 16, 243	3.8	23
71	Ratiometric fluorescent nanosensors for ultra-sensitive detection of mercury ions based on AuNCs/MOFs. <i>Analyst, The</i> , 2019 , 144, 2523-2530	5	23

70	Tuning optical properties of perovskite nanocrystals by supermolecular mercapto- β -cyclodextrin. <i>Chemical Communications</i> , 2016 , 52, 12342-12345	5.8	22
69	Facile and large-scale synthesis of green-emitting carbon nanodots from aspartame and the applications for ferric ions sensing and cell imaging. <i>Science Bulletin</i> , 2017 , 62, 1256-1266	10.6	22
68	A fluorescent sensor to detect sodium dodecyl sulfate based on the glutathione-stabilized gold nanoclusters/poly diallyldimethylammonium chloride system. <i>Analyst, The</i> , 2014 , 139, 3476-80	5	21
67	Dramatically enhanced solid-state electrochemiluminescence of CdTe quantum dots composed with TiO ₂ nanoparticles. <i>Chemistry - A European Journal</i> , 2012 , 18, 1595-8	4.8	21
66	Voltammetric detection of heparin based on anion exchange at electropolymeric film of pyrrole-alkylammonium cationic surfactant and MWCNTs composite. <i>Electrochemistry Communications</i> , 2013 , 34, 339-343	5.1	21
65	Tunable electrochemiluminescence of CdSe@ZnSe quantum dots by adjusting ZnSe shell thickness. <i>Electrochemistry Communications</i> , 2015 , 55, 30-33	5.1	20
64	Nonenzymatic Amperometric Aptamer Cytosensor for Ultrasensitive Detection of Circulating Tumor Cells and Dynamic Evaluation of Cell Surface N-Glycan Expression. <i>ACS Omega</i> , 2018 , 3, 8595-8604	3.9	20
63	One-pot synthesis of dual-emitting BSAPtAu bimetallic nanoclusters for fluorescence ratiometric detection of mercury ions and cysteine. <i>Analytical Methods</i> , 2015 , 7, 5787-5793	3.2	20
62	Recent Advances in Luminescent Carbon Dots. <i>Current Analytical Chemistry</i> , 2014 , 11, 4-21	1.7	20
61	Rapid Detection of Severe Fever with Thrombocytopenia Syndrome Virus via Colloidal Gold Immunochromatography Assay. <i>ACS Omega</i> , 2018 , 3, 15399-15406	3.9	19
60	Thermally stable and hydrophilic CsPbBr ₃ /mPEG-NH ₂ nanocrystals with enhanced aqueous fluorescence for cell imaging. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4153-4160	7.3	18
59	Biosensing platform based on graphene oxide via self-assembly induced by synergic interactions. <i>Analytical Biochemistry</i> , 2014 , 460, 16-21	3.1	18
58	Poly(brilliant cresyl blue) electrogenerated on single-walled carbon nanotubes modified electrode and its application in mediated biosensing system. <i>Sensors and Actuators B: Chemical</i> , 2011 , 152, 14-20	8.5	18
57	Electrochemical fabrication of novel fluorescent polymeric film: Poly(pyrrole β pyrene). <i>Electrochemistry Communications</i> , 2008 , 10, 1423-1426	5.1	18
56	Electrogenerated Chemiluminescence of Tris(2,2'-bipyridyl)ruthenium(II) Immobilized in Humic Acid-Silica-Poly(vinyl alcohol) Composite Films. <i>Electroanalysis</i> , 2005 , 17, 1517-1522	3	18
55	Probing phosphate ion via the europium(III)-modulated fluorescence of gold nanoclusters. <i>Mikrochimica Acta</i> , 2014 , 181, 1957-1963	5.8	17
54	Novel sandwich-structured electrochemiluminescence immunosensing platform via CdTe quantum dots-embedded mesoporous silica nanospheres as enhanced signal labels and Fe ₃ O ₄ @SiO ₂ @PS nanocomposites as magnetic separable carriers. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 806, 32-40	4.1	16
53	Switches-controlled bipolar electrode electrochemiluminescence arrays for high-throughput detection of cancer biomarkers. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 844, 99-104	4.1	15

52	Anodic electrochemiluminescence from CsPbBr perovskite quantum dots for an alkaline phosphatase assay. <i>Chemical Communications</i> , 2020 , 56, 8099-8102	5.8	14
51	Multicolor electrochemiluminescence of cadmium sulfide quantum dots to detect dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 395-400	4.1	14
50	Electrochemistry and electrochemiluminescence for the host-guest system laponite-tris(2,2'-bipyridyl)ruthenium(II). <i>Electrochemistry Communications</i> , 2010 , 12, 227-230	5.1	14
49	Determination of Thiols by Fluorescence using Au@Ag Nanoclusters as Probes. <i>Analytical Letters</i> , 2015 , 48, 647-658	2.2	13
48	Double signal amplification sandwich-structured immunosensor based on TiO ₂ nanoparticles enhanced CdSe@ZnS QDs electrochemiluminescence and the dramatic quenching effect of Au@polydopamine nanoparticles. <i>Science Bulletin</i> , 2016 , 61, 931-938	10.6	13
47	Photonic Crystal of Polystyrene Nanomembrane: Signal Amplification and Low Triggered Potential Electrochemiluminescence for Tetracycline Detection. <i>Analytical Chemistry</i> , 2021 , 93, 2959-2967	7.8	13
46	Copper-Ion-Assisted Precipitation Etching Method for the Luminescent Enhanced Assembling of Sulfur Quantum Dots. <i>ACS Omega</i> , 2020 , 5, 5407-5411	3.9	12
45	Synthesis of enhanced urea-formaldehyde resin microcapsules doped with nanotitania. <i>Journal of Applied Polymer Science</i> , 2012 , 124, 248-256	2.9	12
44	Solid-State Electrochemiluminescence of F-doped SnO ₂ Nanocrystals and Its Sensing Application. <i>Electroanalysis</i> , 2012 , 24, 1267-1271	3	12
43	A bipolar electrochemiluminescence sensing platform based on pencil core and paper reservoirs. <i>RSC Advances</i> , 2016 , 6, 25388-25392	3.7	12
42	A pencil drawn microelectrode on paper and its application in two-electrode electrochemical sensors. <i>Analytical Methods</i> , 2017 , 9, 3513-3518	3.2	11
41	Electrogenerated chemiluminescence of poly[(2,2'-bipyridyl)(4-(2-pyrrol-1-ylethyl)-4'-methyl-2,2'-bipyridyl)]ruthenium (II) film. <i>Electrochemistry Communications</i> , 2010 , 12, 905-908	5.1	11
40	Rapid detection of Shiga toxin type II using lateral flow immunochromatography test strips of colorimetry and fluorimetry. <i>Analyst, The</i> , 2019 , 145, 76-82	5	11
39	Bipolar electrochemiluminescence sensors: From signal amplification strategies to sensing formats. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214116	23.2	11
38	Ultrasensitive amperometric cytosensor for drug evaluation with monitoring early cell apoptosis based on Cu ₂ O@PtPd nanocomposite as signal amplified label. <i>Sensors and Actuators B: Chemical</i> , 2019 , 300, 127046	8.5	10
37	Enhanced electrochemiluminescence of peroxydisulfate by electrodeposited Au nanoparticles and its biosensing application via integrating biocatalytic precipitation using self-assembly bi-enzymes. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 703, 9-13	4.1	10
36	Self-electrochemiluminescence of CdTe nanocrystals capped with 2-diethylaminoethanethiol. <i>Chemical Communications</i> , 2017 , 53, 5388-5391	5.8	9
35	Enhanced anodic electrochemiluminescence of CdTe quantum dots based on electrocatalytic oxidation of a co-reactant by dendrimer-encapsulated Pt nanoparticles and its application for sandwiched immunoassays. <i>Analyst, The</i> , 2017 , 142, 3934-3941	5	9

34	Enhanced solid-state electrochemiluminescence of Ru(bpy) ₃ ²⁺ immobilized on a laponite gel-state network and its glucose biosensing application. <i>RSC Advances</i> , 2012 , 2, 10813	3.7	9
33	Monitoring pyrophosphate anions via cobalt(II)-modulated fluorescence of cadmium sulfide quantum dots. <i>Analytical Methods</i> , 2016 , 8, 2170-2175	3.2	8
32	Graphene/clay composite electrode formed by exfoliating graphite with Laponite for simultaneous determination of ascorbic acid, dopamine, and uric acid. <i>Monatshefte Für Chemie</i> , 2014 , 145, 1389-1394	1.4	8
31	A Solid-State Electrochemiluminescence Ethanol Biosensor Based on Electrogenerated Poly(pyrrole-tris(2,2'-bipyridyl)ruthenium(II)) Film/Alcohol Dehydrogenase/Laponite Composite. <i>Electroanalysis</i> , 2013 , 25, 697-702	3	7
30	Recent Advances on Electrochemical Enzyme Biosensors. <i>Current Analytical Chemistry</i> , 2015 , 12, 5-21	1.7	7
29	Preparation and characterization of novel yellow pigments: hollow TiO ₂ spheres doped with cerium. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1865-1874	2.1	7
28	ZnAgInS Quantum Dot-Decorated BiOI Heterostructure for Cathodic Photoelectrochemical Bioanalysis of Glucose Oxidase. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11489-11496	5.6	7
27	Strong anodic electrochemiluminescence from dissolved oxygen with 2-(dibutylamino) ethanol for glucose oxidase assay. <i>RSC Advances</i> , 2014 , 4, 34701-34705	3.7	6
26	A biosensing application based on quenching the enhanced electrochemiluminescence of poly[tris(N-bipyridylethyl)pyrrole] ruthenium(II) film by Au nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 692, 60-65	4.1	6
25	Flexible metallization of electrospun nanofibers: Dramatically enhanced solid-state electrochemistry and electrochemiluminescence of the immobilized tris(2,2'-bipyridyl)ruthenium(II). <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 159-165	8.5	6
24	Multicolor electrochemiluminescence of core-shell CdSe@ZnS quantum dots based on the size effect. <i>Science China Chemistry</i> , 2016 , 59, 1508-1512	7.9	6
23	Luminous silica colloids with carbon dot incorporation for sensitive immunochromatographic assay of Zika virus. <i>Analyst, The</i> , 2021 , 146, 706-713	5	6
22	Anodic near-infrared electrochemiluminescence from Cu-doped CdTe quantum dots for tetracycline detection. <i>Analytical Methods</i> , 2021 , 13, 2297-2304	3.2	6
21	Rapid, selective, and ultrasensitive fluorescence ratiometric detection of sulfide ions using dual-emitting BSA@ruthenium(III)-modulated gold/silver bimetallic nanoclusters. <i>Analytical Methods</i> , 2015 , 7, 4348-4354	3.2	5
20	Electrochemiluminescence Sensor for Phosphate Ions Based on Europium(III)-Modulated CdSe Quantum Dots. <i>Electroanalysis</i> , 2014 , 26, 2710-2715	3	5
19	Solid-state Electrogenerated Chemiluminescence Based on Semiconductor Nanocrystals and Tris(2,2'-bipyridyl)ruthenium(II) Complex. <i>Current Analytical Chemistry</i> , 2014 , 10, 622-634	1.7	5
18	Electrochemical Sensors for Hydroperoxides Based on Prussian Blue. <i>Current Analytical Chemistry</i> , 2016 , 12, 512-522	1.7	5
17	Immunoassay of SARS-CoV-2 nucleocapsid proteins using novel red emission-enhanced carbon dot-based silica spheres. <i>Analyst, The</i> , 2021 , 146, 5055-5060	5	5

16	Self-electrochemiluminescent CdTe quantum dots: one-pot synthesis, characterization, and electrochemical properties. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 1047-1054	2.6	4
15	Enhanced Anodic Electrochemiluminescence of Dissolved Oxygen with 2-(Dibutylamino) ethanol at TiO ₂ Nanoparticles Modified Platinum Electrode for Dopamine Detection. <i>Electroanalysis</i> , 2016 , 28, 282-286	3.286	4
14	Quantitative detection of severe fever with thrombocytopenia syndrome virus via electrochemiluminescence immunoassay. <i>Analytical Methods</i> , 2019 , 11, 4197-4203	3.2	3
13	Enhanced electrochemiluminescence of CdS quantum dots capped with mercaptopropionic acid activated by EDC for Zika virus detection. <i>Analyst, The</i> , 2021 , 146, 2928-2935	5	3
12	Electrochemical Properties of Prussian Blue@Fe ₃ O ₄ Nano-Hybrid Modified Pencil Drawn Electrode on Paper. <i>Current Analytical Chemistry</i> , 2018 , 14,	1.7	2
11	Picomolar Level Detection of Copper(II) and Mercury(II) Ions Using Dual-Stabilizer-Capped CdTe Quantum Dots. <i>Journal of Analysis and Testing</i> , 2018 , 2, 90-97	3.2	1
10	Solid-State Electrochemistry and Electrochemiluminescence of Porous Thin Film of [(2,2'-Bipyridyl)(4-(2-pyrrol-1-ylethyl)-4'-methyl-2,2'-bipyridyl) ₂]ruthenium(II) Monomer Precipitation. <i>Electroanalysis</i> , 2011 , 23, 1306-1310	3	1
9	The unmediated choline sensor based on layered double hydroxides in hydrogen peroxide detection mode. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 2281-2286		1
8	A signal amplification of near-infrared electrochemiluminescence immunosensor for SFTSV determination based on SiO ₂ photonic crystals nanomembrane. <i>Sensors and Actuators B: Chemical</i> , 2022 , 358, 131493	8.5	1
7	Photoluminescent sea urchin-shaped carbon-nanobranched polymers as nanoprobe for the selective and sensitive assay of hypochlorite.. <i>RSC Advances</i> , 2021 , 11, 8134-8141	3.7	1
6	Rapid fabrication of SiO ₂ -PHEMA photonic crystal hydrogel composite microspheres. <i>Dyes and Pigments</i> , 2022 , 199, 110089	4.6	0
5	Recent advances in II-VI quantum dots based-signal strategy of electrochemiluminescence sensor. <i>Talanta Open</i> , 2022 , 5, 100088	5.6	0
4	Rational design of fluorescent barcodes for suspension array through a simple simulation strategy. <i>Analyst, The</i> , 2021 , 146, 4796-4802	5	0
3	Highly-fluorescent carbon dots grown onto dendritic silica nanospheres for anthrax protective antigen detection.. <i>Analytical Methods</i> , 2022 , 14, 1836-1840	3.2	0
2	Aggregation-Induced Emission Enhancement of CdSe QDs by Protamine and its Application to Sensitive and Selectively Detect Heparin. <i>Current Analytical Chemistry</i> , 2019 , 15, 599-604	1.7	
1	Dual-Signal-Encoded Barcodes with Low Background Signal for High-Sensitivity Analysis of Multiple Tumor Markers. <i>Chemosensors</i> , 2022 , 10, 142	4	