

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80 papers	5,965 citations	32 h-index	77 g-index
82 ext. papers	6,600 ext. citations	6.4 avg, IF	5.82 L-index

#	Paper	IF	Citations
80	Colorimetric immunosensor based on glassy carbon microspheres test strips for the detection of prostate-specific antigen. <i>Mikrochimica Acta</i> , 2021 , 188, 366	5.8	2
79	A visualized ratiometric fluorescence sensing system for copper ions based on gold nanoclusters/perovskite quantum dot@SiO nanocomposites. <i>Analyst, The</i> , 2021 , 146, 7545-7553	5	1
78	Simultaneous determination of six glycosidic aroma precursors in pomelo by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Analyst, The</i> , 2021 , 146, 1698-1704	5	4
77	Label-Free and Ultrasensitive Electrochemiluminescent Immunosensor Based on Novel Luminophores of CeSnO Nanocubes. <i>Analytical Chemistry</i> , 2021 , 93, 3618-3625	7.8	10
76	Endowing chloroplasts with artificial "cell walls" using metal-organic frameworks. <i>Nanoscale</i> , 2020 , 12, 11582-11592	7.7	3
75	Electrochemiluminescence revealing that HNO ₃ -oxidized single-walled carbon nanotubes are essentially tubular graphene quantum dot-nanoassemblies. <i>Applied Surface Science</i> , 2020 , 525, 146432	6.7	5
74	A simple enzyme-catalyzed reaction induced "switch" type fluorescence biosensor based on carbon nitride nanosheets for the assay of alkaline phosphatase activity. <i>Analyst, The</i> , 2020 , 145, 6277-6282	5	3
73	Electrochemiluminescence from the Graphene- and Fullerene-Like Nanostructures of Glassy Carbon Microspheres and Its Application in Immunoassay.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 6358-6367	4.1	8
72	A novel hybrid platform of g-CN nanosheets /nucleic-acid-stabilized silver nanoclusters for sensing protein. <i>Analytica Chimica Acta</i> , 2019 , 1091, 112-118	6.6	9
71	Graphitic Carbon Nitride Nanosheets as Co-reactants for Tris(2,2'-bipyridine)ruthenium(II) Electrochemiluminescence. <i>ChemElectroChem</i> , 2019 , 6, 1673-1677	4.3	6
70	Tris(2,2'-bipyridyl)ruthenium(II)-Nanomaterial Co-Reactant Electrochemiluminescence. <i>ChemElectroChem</i> , 2019 , 6, 3878-3884	4.3	10
69	Strong Electrochemiluminescence Emission from Oxidized Multiwalled Carbon Nanotubes. <i>Small</i> , 2019 , 15, e1901550	11	16
68	A multilayer-graphene nanosheet film deposited on a ceramic substrate without a catalyst for constructing an electrochemiluminescence imaging platform. <i>Nanoscale</i> , 2019 , 11, 12132-12138	7.7	2
67	A Visual Solar UV Sensor Based on Paraffin-Perovskite Quantum Dot Composite Film. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16713-16719	9.5	12
66	Superhydrophobic Silica Aerogels Encapsulated Fluorescent Perovskite Quantum Dots for Reversible Sensing of SO in a 3D-Printed Gas Cell. <i>Analytical Chemistry</i> , 2019 , 91, 5058-5066	7.8	26
65	Black oxidized 3,3',5,5'-tetramethylbenzidine nanowires (oxTMB NWs) for enhancing Pt nanoparticle-based strip immunosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4063-4071	4.4	6
64	Enhancing air-stability of CH ₃ NH ₃ PbBr ₃ perovskite quantum dots by in-situ growth in metal-organic frameworks and their applications in light emitting diodes. <i>Journal of Solid State Chemistry</i> , 2019 , 272, 221-226	3.3	26

63	Water-stable and ion exchange-free inorganic perovskite quantum dots encapsulated in solid paraffin and their application in light emitting diodes. <i>Nanoscale</i> , 2019 , 11, 5557-5563	7.7	29
62	Electrochemiluminescence for Characterizing the Polymerization Process during Graphitic Carbon Nitride Synthesis. <i>ChemElectroChem</i> , 2019 , 6, 3742-3746	4.3	5
61	Detection of divalent copper with improved accuracy by dual suppression of electrochemiluminescent recovery. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 834, 145-149	4.1	1
60	Ultrasensitive chemiluminescence biosensors using nucleic acid-functionalized silver-cysteine nanowires as signal amplifying labels. <i>Analyst, The</i> , 2018 , 143, 1575-1582	5	6
59	Green synthesis of red-emission carbon based dots by microbial fermentation. <i>New Journal of Chemistry</i> , 2018 , 42, 8591-8595	3.6	6
58	Effects of C-Related Dangling Bonds and Functional Groups on the Fluorescent and Electrochemiluminescent Properties of Carbon-Based Dots. <i>Chemistry - A European Journal</i> , 2018 , 24, 4250-4254	4.8	14
57	Detection of cyanide by etching-induced electrochemiluminescence recovery. <i>Electrochimica Acta</i> , 2018 , 261, 29-34	6.7	14
56	Simultaneous voltammetry detection of dopamine and uric acid in human serum and urine with a poly(procaterol hydrochloride) modified glassy carbon electrode. <i>Talanta</i> , 2018 , 185, 203-212	6.2	20
55	Colorimetric determination of glutathione by using a nanohybrid composed of manganese dioxide and carbon dots. <i>Mikrochimica Acta</i> , 2018 , 185, 291	5.8	33
54	An Electrochemiluminescent Biosensor Based on Interactions between a Graphene Quantum Dot/Bulfite Co-reactant System and Hydrogen Peroxide. <i>ChemElectroChem</i> , 2017 , 4, 1783-1789	4.3	14
53	Electrochemical investigation and determination of procaterol hydrochloride on poly(glutamic acid)/carboxyl functionalized multiwalled carbon nanotubes/polyvinyl alcohol modified glassy carbon electrode. <i>Talanta</i> , 2017 , 174, 436-443	6.2	13
52	High photoluminescent carbon based dots with tunable emission color from orange to green. <i>Nanoscale</i> , 2017 , 9, 1028-1032	7.7	40
51	Exploring the electrochemiluminescent behavior of procaterol hydrochloride in the presence of Ru(bpy) and its analytical application in pharmaceutical preparation. <i>Luminescence</i> , 2017 , 32, 745-750	2.5	2
50	Enhanced electrogenerated chemiluminescence behavior of CN QDs@ CN nanosheet and its signal-on aptasensing for platelet derived growth factor. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 695-701	11.8	46
49	Carbon based dot capped silver nanoparticles for efficient surface-enhanced Raman scattering. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7472-7477	7.1	14
48	Fullerene-Structural Carbon-Based Dots from C60 Molecules and their Optical Properties. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 916-923	3.1	5
47	Dual-Emission of Lanthanide Metal-Organic Frameworks Encapsulating Carbon-Based Dots for Ratiometric Detection of Water in Organic Solvents. <i>Analytical Chemistry</i> , 2016 , 88, 1748-52	7.8	183
46	Highly sensitive electrochemiluminescent sensing platform based on graphite carbon nitride nanosheets for detection of pyrophosphate ion in the synovial fluid. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 8-15	8.5	25

45	Strong electrochemiluminescent interactions between carbon nitride nanosheet-reduced graphene oxide nanohybrids and folic acid, and ultrasensitive sensing for folic acid. <i>Analyst, The</i> , 2016 , 141, 3379-88	5	36
44	Graphitic Carbon Nitride Materials: Sensing, Imaging and Therapy. <i>Small</i> , 2016 , 12, 5376-5393	11	152
43	Anodic, cathodic, and annihilation electrochemiluminescence emissions from hydrophilic conjugated polymer dots in aqueous medium. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15160-7	9.5	40
42	Tailor-made peptide sensor for detection of matrix metalloproteinase 2 in blood serum. <i>Analytical Methods</i> , 2015 , 7, 5371-5374	3.2	7
41	Signal-on electrochemiluminescent aptasensors based on target controlled permeable films. <i>Chemical Communications</i> , 2015 , 51, 1035-8	5.8	45
40	Natural carbon-based dots from humic substances. <i>Scientific Reports</i> , 2015 , 5, 10037	4.9	45
39	Fast, sensitive, and selective ion-triggered disassembly and release based on tris(bipyridine)ruthenium(II)-functionalized metal-organic frameworks. <i>Analytical Chemistry</i> , 2015 , 87, 4864-70	7.8	64
38	Encapsulation of Hemin in Metal-Organic Frameworks for Catalyzing the Chemiluminescence Reaction of the H ₂ O ₂ -Luminol System and Detecting Glucose in the Neutral Condition. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11322-9	9.5	147
37	Installing logic gates in permeability controllable polyelectrolyte-carbon nitride films for detecting proteases and nucleases. <i>Analytical Chemistry</i> , 2015 , 87, 8851-7	7.8	40
36	Sensing applications of luminescent carbon based dots. <i>Analyst, The</i> , 2015 , 140, 7468-86	5	108
35	Determination of tiopronin based on the enhancement of Ru(bpy) ₃ ²⁺ co-reactant electrochemiluminescence. <i>Talanta</i> , 2015 , 134, 524-529	6.2	7
34	Gold nanoparticle-graphite-like C ₃ N ₄ nanosheet nanohybrids used for electrochemiluminescent immunosensor. <i>Analytical Chemistry</i> , 2014 , 86, 4188-95	7.8	304
33	Graphene quantum dots/L-cysteine coreactant electrochemiluminescence system and its application in sensing lead(II) ions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1646-51	9.5	123
32	Enzyme-free and label-free electrochemical biosensor for lead ion based on DNA concatamers and hexaammineruthenium. <i>Analytical Methods</i> , 2014 , 6, 4512	3.2	4
31	Encapsulation of strongly fluorescent carbon quantum dots in metal-organic frameworks for enhancing chemical sensing. <i>Analytical Chemistry</i> , 2014 , 86, 1223-8	7.8	252
30	Nitrogen-doped carbon-based dots prepared by dehydrating EDTA with hot sulfuric acid and their electrocatalysis for oxygen reduction reaction. <i>RSC Advances</i> , 2014 , 4, 32791-32795	3.7	25
29	Synthesis of Au ₁₃ (glutathionato) ₈ @ β -cyclodextrin nanoclusters and their use as a fluorescent probe for silver ions. <i>Mikrochimica Acta</i> , 2014 , 181, 1573-1580	5.8	13
28	Graphene quantum dots, graphene oxide, carbon quantum dots and graphite nanocrystals in coals. <i>Nanoscale</i> , 2014 , 6, 7410-5	7.7	170

27	Omeprazole as a strong coreactant in the electrochemiluminescence of Ru(bpy) ₃ ²⁺ . <i>Electrochimica Acta</i> , 2014 , 123, 111-116	6.7	3
26	Turn-on fluorescent detection of cyanide based on polyamine-functionalized carbon quantum dots. <i>RSC Advances</i> , 2014 , 4, 3685-3689	3.7	18
25	Carbon quantum dot-functionalized aerogels for NO ₂ gas sensing. <i>Analytical Chemistry</i> , 2013 , 85, 8065-97.8	9.8	101
24	Preparation of protein-like silver-cysteine hybrid nanowires and application in ultrasensitive immunoassay of cancer biomarker. <i>Analytical Chemistry</i> , 2013 , 85, 9655-63	7.8	20
23	Etching single-wall carbon nanotubes into green and yellow single-layer graphene quantum dots. <i>Carbon</i> , 2013 , 64, 245-251	10.4	96
22	An ultrasensitive aptameric sensor for proteins based on hyperbranched rolling circle amplification. <i>Chemical Communications</i> , 2013 , 49, 10115-7	5.8	32
21	An ionic liquid-mediated electrochemiluminescent sensor for the detection of sulfur dioxide at the ppb level. <i>Analyst, The</i> , 2013 , 138, 7006-11	5	17
20	Electrochemiluminescence emission from carbon quantum dot-sulfite coreactant system. <i>Carbon</i> , 2013 , 56, 12-17	10.4	92
19	Preparation of graphite-like carbon nitride nanoflake film with strong fluorescent and electrochemiluminescent activity. <i>Nanoscale</i> , 2013 , 5, 225-30	7.7	242
18	Carbon-Based Dots Co-doped with Nitrogen and Sulfur for High Quantum Yield and Excitation-Independent Emission. <i>Angewandte Chemie</i> , 2013 , 125, 7954-7958	3.6	145
17	Electrochemiluminescence imaging-based high-throughput screening platform for electrocatalysts used in fuel cells. <i>Analytical Chemistry</i> , 2012 , 84, 7700-7	7.8	69
16	Reply to comment on One-step and high yield simultaneous preparation of single- and multi-layer graphene quantum dots from CX-72 carbon black. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21777		7
15	Graphene quantum dot as a green and facile sensor for free chlorine in drinking water. <i>Analytical Chemistry</i> , 2012 , 84, 8378-82	7.8	336
14	One-step and high yield simultaneous preparation of single- and multi-layer graphene quantum dots from CX-72 carbon black. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8764		466
13	Polyamine-functionalized carbon quantum dots as fluorescent probes for selective and sensitive detection of copper ions. <i>Analytical Chemistry</i> , 2012 , 84, 6220-4	7.8	783
12	Recyclable fluorescent gold nanocluster membrane for visual sensing of copper(II) ion in aqueous solution. <i>Analyst, The</i> , 2012 , 137, 2394-9	5	63
11	Zinc oxide quantum dots synthesized by electrochemical etching of metallic zinc in organic electrolyte and their electrochemiluminescent properties. <i>Electrochimica Acta</i> , 2011 , 56, 1387-1391	6.7	13
10	Extraction of Electrochemiluminescent Oxidized Carbon Quantum Dots from Activated Carbon. <i>Chemistry of Materials</i> , 2010 , 22, 5895-5899	9.6	343

9	Electrochemiluminescence of water-soluble carbon nanocrystals released electrochemically from graphite. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4564-5	16.4	702
8	Electrochemiluminescent Reaction between Ru(bpy) ₃ ²⁺ and Oxygen in Nafion Film. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20316-20321	3.8	26
7	Electrochemiluminescent Behavior of Tris(2,2-bipyridine) Ruthenium(II)/Triethylamine in Ionic Liquid Solution. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15570-15575	3.8	22
6	Inhibited Ru(bpy) ₃ ²⁺ electrochemiluminescence related to electrochemical oxidation activity of inhibitors. <i>Analytical Chemistry</i> , 2007 , 79, 4521-8	7.8	60
5	Flow injection analysis system equipped with a newly designed electrochemiluminescent detector and its application for detection of 2-thiouracil. <i>Analytical Chemistry</i> , 2006 , 78, 1568-73	7.8	49
4	Electrochemiluminescent behavior of allopurinol in the presence of Ru(bpy) ₃ ²⁺ . <i>Talanta</i> , 2006 , 68, 1544-9	6.2	15
3	A Study on the Electrochemical and Electrochemiluminescent Behavior of Homogentisic Acid at Carbon Electrodes. <i>Electroanalysis</i> , 2003 , 15, 208-218	3	28
2	Electrochemical study on the keto-enol tautomerization of p-hydroxyphenylpyruvic acid in aqueous solution. <i>Bioelectrochemistry</i> , 2003 , 60, 37-45	5.6	12
1	Water-Dispersed Perovskite -C18-PC Core-Shell Nanoparticles for Cell Imaging. <i>ACS Applied Nano Materials</i> ,	5.6	3