

Chuannan Luo

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.

95
papers

2,417
citations

28
h-index

42
g-index

98
ext. papers

2,798
ext. citations

5.1
avg, IF

5.44
L-index

#	Paper	IF	Citations
95	Chemiluminescence sensing of adenosine using DNA cross-linked hydrogel-capped magnetic mesoporous silica nanoparticles.. <i>Analytica Chimica Acta</i> , 2022 , 1195, 339386	6.6	3
94	Boosting Hydrogen Evolution on MoS ₂ /CNT Modified by Poly(sodium-pStyrene sulfonate) via Proton Concentration in Acid Solution. <i>ChemElectroChem</i> , 2021 , 8, 2259-2265	4.3	2
93	A chemiluminescence aptasensor for sensitive detection of carcinoembryonic antigen based on dual aptamer-conjugates biorecognition. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128833	8.5	11
92	Preparation of microsphere-added aerogels and exploration of their adsorption properties. <i>New Journal of Chemistry</i> , 2021 , 45, 189-198	3.6	1
91	Rational design of the Z-scheme hollow-structure CoS/g-CN as an efficient visible-light photocatalyst for tetracycline degradation. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 3351-3360	3.6	4
90	Peptide-Based Biosensor with a Luminescent Copper-Based Metal-Organic Framework as an Electrochemiluminescence Emitter for Trypsin Assay. <i>Analytical Chemistry</i> , 2021 , 93, 9704-9710	7.8	6
89	Peptide-Based Electrochemiluminescence Biosensors Using Silver Nanoclusters as Signal Probes and Pd-CuO Hybrid Nanoconcaves as Coreactant Promoters for Immunoassays. <i>Analytical Chemistry</i> , 2021 , 93, 13045-13053	7.8	4
88	Enhanced water oxidation of CoP/CNTs via interfacial charge transfer induced by poly dimethyl diallyl ammonium chloride. <i>New Journal of Chemistry</i> , 2020 , 44, 20520-20524	3.6	2
87	Electrochemical assays for determination of HO and prostate-specific antigen based on a nanocomposite consisting of CeO nanoparticle-decorated MnO nanospheres. <i>Mikrochimica Acta</i> , 2020 , 187, 428	5.8	7
86	A simple chemiluminescent aptasensor for the detection of Fetoprotein based on iron-based metal organic frameworks. <i>New Journal of Chemistry</i> , 2020 , 44, 4099-4107	3.6	14
85	Novel Chemiluminescence Sensor for Thrombin Detection Based on Dual-Aptamer Biorecognition and Mesoporous Silica Encapsulated with Iron Porphyrin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5569-5577	9.5	17
84	Triple Amplification of 3,4,9,10-Perylenetetracarboxylic Acid by Co-Based Metal-Organic Frameworks and Silver-Cysteine and Its Potential Application for Ultrasensitive Assay of Procalcitonin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9098-9106	9.5	14
83	A chemiluminescence assay for determination of lysozyme based on the use of magnetic alginate-aptamer composition and hemin@HKUST-1. <i>Mikrochimica Acta</i> , 2020 , 187, 281	5.8	7
82	Carboxylated carbon nanotubes-graphene oxide aerogels as ultralight and renewable high performance adsorbents for efficient adsorption of glyphosate. <i>Environmental Chemistry</i> , 2020 , 17, 6	3.2	6
81	Study on the internal electric field in the Cu ₂ O/g-C ₃ N ₄ p-n heterojunction structure for enhancing visible light photocatalytic activity. <i>New Journal of Chemistry</i> , 2020 , 44, 1795-1805	3.6	23
80	Enhanced electrochemiluminescence of luminol based on CuO-Au heterostructure enabled multiple-amplification strategy. <i>Biosensors and Bioelectronics</i> , 2020 , 151, 111970	11.8	11
79	Rapid fabrication of electrode for the detection of alpha fetoprotein based on MnO functionalized mesoporous carbon hollow sphere. <i>Materials Science and Engineering C</i> , 2020 , 107, 110206	8.3	7

78	A "signal-on" chemiluminescence biosensor for thrombin detection based on DNA functionalized magnetic sodium alginate hydrogel and metalloporphyrinic metal-organic framework nanosheets. <i>Talanta</i> , 2020 , 207, 120300	6.2	32
77	Melamine-Formaldehyde Aerogel Doped with Boron Nitride Nanosheets as the Coating of In-Tube Solid-Phase Microextraction. <i>Chromatographia</i> , 2019 , 82, 757-766	2.1	6
76	A chemiluminescence biosensor for lysozyme detection based on aptamers and hemin/G-quadruplex DNAzyme modified sandwich-rod carbon fiber composite. <i>Talanta</i> , 2019 , 200, 57-66	6.2	16
75	Melamine-formaldehyde aerogel functionalized with polydopamine as in-tube solid-phase microextraction coating for the determination of phthalate esters. <i>Talanta</i> , 2019 , 199, 317-323	6.2	33
74	A highly selective and sensitive detection of insulin with chemiluminescence biosensor based on aptamer and oligonucleotide-AuNPs functionalized nanosilica @ graphene oxide aerogel. <i>Analytica Chimica Acta</i> , 2019 , 1089, 152-164	6.6	23
73	Highly selective and sensitive streptomycin chemiluminescence sensor based on aptamer and G-quadruplex DNAzyme modified three-dimensional graphene composite. <i>Sensors and Actuators B: Chemical</i> , 2019 , 301, 127122	8.5	11
72	An ionic-liquid-modified melamine-formaldehyde aerogel for in-tube solid-phase microextraction of estrogens followed by high performance liquid chromatography with diode array detection. <i>Mikrochimica Acta</i> , 2019 , 186, 769	5.8	32
71	A nanocomposite prepared from bifunctionalized ionic liquid, chitosan, graphene oxide and magnetic nanoparticles for aptamer-based assay of tetracycline by chemiluminescence. <i>Mikrochimica Acta</i> , 2019 , 187, 63	5.8	13
70	Ionic liquid-functionalized silica aerogel as coating for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2019 , 1583, 48-54	4.5	64
69	An organic-inorganic hybrid silica aerogel prepared by co-precursor method for solid-phase microextraction coating. <i>Talanta</i> , 2019 , 194, 370-376	6.2	26
68	A turn-on chemiluminescence biosensor for selective and sensitive detection of adenosine based on HKUST-1 and QDs-luminol-aptamer conjugates. <i>Talanta</i> , 2018 , 182, 116-124	6.2	20
67	Ionic liquid chemically bonded basalt fibers for in-tube solid-phase microextraction. <i>Journal of Separation Science</i> , 2018 , 41, 1839-1846	3.4	25
66	Silicon carbide nanomaterial as a coating for solid-phase microextraction. <i>Journal of Separation Science</i> , 2018 , 41, 1995-2002	3.4	9
65	Basalt fibers functionalized with gold nanoparticles for in-tube solid-phase microextraction. <i>Journal of Separation Science</i> , 2018 , 41, 1149-1155	3.4	14
64	Highly selective and sensitive chemiluminescence biosensor for adenosine detection based on carbon quantum dots catalyzing luminescence released from aptamers functionalized graphene@magnetic cyclodextrin polymers. <i>Talanta</i> , 2018 , 186, 238-247	6.2	27
63	Basalt fibers coated with nano-calcium carbonate for in-tube solid-phase microextraction and online analysis of estrogens coupled with high-performance liquid chromatography. <i>Analytical Methods</i> , 2018 , 10, 2234-2241	3.2	18
62	Morphology-dependent electrochemical behavior of 18-facet CuS nanocrystals based electrochemical sensing platform for hydrogen peroxide and prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2018 , 112, 143-148	11.8	18
61	Co-Al bimetallic hydroxide nanocomposites coating for online in-tube solid-phase microextraction. <i>Journal of Chromatography A</i> , 2018 , 1550, 1-7	4.5	23

60	Highly selective adsorption of hydroquinone by hydroxyethyl cellulose functionalized with magnetic/ionic liquid. <i>International Journal of Biological Macromolecules</i> , 2018 , 107, 957-964	7.9	18
59	Basalt fibers grafted with a poly(ionic liquids) coating for in-tube solid-phase microextraction. <i>Journal of Separation Science</i> , 2018 , 41, 3267-3274	3.4	20
58	A Nanospherical Metal-Organic Framework UiO-66 for Solid-Phase Microextraction of Polycyclic Aromatic Hydrocarbons. <i>Chromatographia</i> , 2018 , 81, 1053-1061	2.1	17
57	A chemiluminescence biosensor for the detection of thrombin based on the aptamer composites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 192, 153-158	4.4	14
56	CdSe Quantum Dots Combined with Poly(diallyldimethylammonium chloride)-modified Reduced Graphene Oxide for Rutin Determination. <i>Chemistry Letters</i> , 2018 , 47, 1438-1440	1.7	0
55	Diamond nanoparticles coating for in-tube solid-phase microextraction to detect polycyclic aromatic hydrocarbons. <i>Journal of Separation Science</i> , 2018 , 41, 4480-4487	3.4	13
54	Melamine-formaldehyde aerogel coating for in-tube solid-phase microextraction. <i>Journal of Chromatography A</i> , 2018 , 1577, 8-14	4.5	22
53	Glyphosate removal from water by functional three-dimensional graphene aerogels. <i>Environmental Chemistry</i> , 2018 , 15, 325	3.2	10
52	A chemiluminescence aptasensor for thrombin detection based on aptamer-conjugated and hemin/G-quadruplex DNAzyme signal-amplified carbon fiber composite. <i>Analytica Chimica Acta</i> , 2018 , 1043, 132-141	6.6	14
51	Barium Sulfate Nanoparticles as a Coating for Solid-Phase Microextraction of Polycyclic Aromatic Hydrocarbons in Aqueous Samples. <i>Chromatographia</i> , 2018 , 81, 1287-1292	2.1	6
50	A novel ionic liquid functionalized graphene oxide supported gold nanoparticle composite film for sensitive electrochemical detection of dopamine. <i>RSC Advances</i> , 2017 , 7, 2315-2322	3.7	53
49	A chemiluminescence biosensor based on the adsorption recognition function between FeO@SiO@GO polymers and DNA for ultrasensitive detection of DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 178, 1-7	4.4	19
48	In-situ hydrothermal synthesis of titanium dioxide nanorods on titanium wire for solid-phase microextraction of polycyclic aromatic hydrocarbons. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4071-4078	4.4	15
47	Synthesis of surface plasma photocatalyst Ag loaded TiO ₂ nanowire arrays/graphene oxide coated carbon fiber composites and enhancement of the photocatalytic activity for tetracycline hydrochloride degradation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 342, 94-101	4.7	13
46	Mesoporous titanium oxide with high-specific surface area as a coating for in-tube solid-phase microextraction combined with high-performance liquid chromatography for the analysis of polycyclic aromatic hydrocarbons. <i>Journal of Separation Science</i> , 2017 , 40, 2474-2481	3.4	13
45	An ultrasensitive chemiluminescence aptasensor for indirect hemin detection based on aptamer recognition materials. <i>New Journal of Chemistry</i> , 2017 , 41, 6098-6104	3.6	6
44	Adsorbent for resorcinol removal based on cellulose functionalized with magnetic poly(dopamine). <i>International Journal of Biological Macromolecules</i> , 2017 , 99, 578-585	7.9	25
43	In situ hydrothermal growth of polyaniline coating for in-tube solid-phase microextraction towards ultraviolet filters in environmental water samples. <i>Journal of Chromatography A</i> , 2017 , 1483, 48-55	4.5	24

42	Silk fiber for in-tube solid-phase microextraction to detect aldehydes by chemical derivatization. <i>Journal of Chromatography A</i> , 2017 , 1522, 16-22	4.5	26
41	An organically modified silica aerogel for online in-tube solid-phase microextraction. <i>Journal of Chromatography A</i> , 2017 , 1517, 203-208	4.5	37
40	Electrophoretic deposition of graphene oxide onto carbon fibers for in-tube solid-phase microextraction. <i>Journal of Chromatography A</i> , 2017 , 1517, 209-214	4.5	43
39	Poly(ionic liquids)-coated stainless-steel wires packed into a polyether ether ketone tube for in-tube solid-phase microextraction. <i>Journal of Separation Science</i> , 2017 , 40, 4773-4779	3.4	16
38	An ultrasensitive chemiluminescence aptasensor for thrombin detection based on iron porphyrin catalyzing luminescence desorbed from chitosan modified magnetic oxide graphene composite. <i>Talanta</i> , 2017 , 174, 809-818	6.2	25
37	The preparation of novel adsorbent materials with efficient adsorption performance for both chromium and methylene blue. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 141, 253-259	6	40
36	Ultra-sensitive film sensor based on Al ₂ O ₃ -Au nanoparticles supported on PDDA-functionalized graphene for the determination of acetaminophen. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5567-76	4.4	10
35	Ionic liquid coated copper wires and tubes for fiber-in-tube solid-phase microextraction. <i>Journal of Chromatography A</i> , 2016 , 1458, 1-8	4.5	35
34	Hollow fiber membrane-coated functionalized polymeric ionic liquid capsules for direct analysis of estrogens in milk samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1679-85	4.4	21
33	CdTe quantum dots@luminol for trace-level chemiluminescence sensing of phenacetin based on biological recognition materials. <i>New Journal of Chemistry</i> , 2016 , 40, 458-463	3.6	7
32	A chemiluminescence sensor for determination of lysozyme using magnetic graphene oxide multi-walled carbon nanotube surface molecularly imprinted polymers. <i>RSC Advances</i> , 2016 , 6, 12391-12397	3.7	16
31	Removal of Pb(2+) from water environment using a novel magnetic chitosan/graphene oxide imprinted Pb(2+). <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 505-11	7.9	86
30	An ultrasensitive lysozyme chemiluminescence biosensor based on surface molecular imprinting using ionic liquid modified magnetic graphene oxide/β-cyclodextrin as supporting material. <i>Analytica Chimica Acta</i> , 2016 , 918, 89-96	6.6	38
29	Development of a cheap and accessible carbon fibers-in-poly(ether ether ketone) tube with high stability for online in-tube solid-phase microextraction. <i>Talanta</i> , 2016 , 148, 313-20	6.2	31
28	Synthesis of magnetic graphene nanocomposites decorated with ionic liquids for fast lead ion removal. <i>International Journal of Biological Macromolecules</i> , 2016 , 85, 246-51	7.9	38
27	Based on magnetic graphene oxide highly sensitive and selective imprinted sensor for determination of sunset yellow. <i>Talanta</i> , 2016 , 147, 169-76	6.2	64
26	CdTe quantum dots@luminol as signal amplification system for chrysoidine with chemiluminescence-chitosan/graphene oxide-magnetite-molecularly imprinting sensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 153, 535-41	4.4	29
25	Facile and efficient poly(ethylene terephthalate) fibers-in-tube for online solid-phase microextraction towards polycyclic aromatic hydrocarbons. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4871-82	4.4	32

24	Gold-functionalized stainless-steel wire and tube for fiber-in-tube solid-phase microextraction coupled to high-performance liquid chromatography for the determination of polycyclic aromatic hydrocarbons. <i>Journal of Separation Science</i> , 2016 , 39, 932-8	3.4	14
23	Graphene oxide reinforced polymeric ionic liquid monolith solid-phase microextraction sorbent for high-performance liquid chromatography analysis of phenolic compounds in aqueous environmental samples. <i>Journal of Separation Science</i> , 2016 , 39, 375-82	3.4	30
22	Development of a carbon-nanoparticle-coated stirrer for stir bar sorptive extraction by a simple carbon deposition in flame. <i>Journal of Separation Science</i> , 2016 , 39, 918-22	3.4	13
21	Ultra-sensitive determination of epinephrine based on TiO ₂ -Au nanoclusters supported on reduced graphene oxide and carbon nanotube hybrid nanocomposites. <i>Materials Science and Engineering C</i> , 2016 , 64, 391-398	8.3	29
20	β-Cyclodextrin/chitosan/magnetic graphene oxide/surface molecularly imprinted polymer nanocomplex coupled with chemiluminescence biosensing of bovine serum albumin. <i>RSC Advances</i> , 2015 , 5, 68397-68403	3.7	18
19	Highly sensitive copper fiber-in-tube solid-phase microextraction for online selective analysis of polycyclic aromatic hydrocarbons coupled with high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2015 , 1408, 41-8	4.5	47
18	Palladium-coated stainless-steel wire as a solid-phase microextraction fiber. <i>Journal of Separation Science</i> , 2015 , 38, 1584-90	3.4	7
17	Facile modification of multi-walled carbon nanotubes-polymeric ionic liquids-coated solid-phase microextraction fibers by on-fiber anion exchange. <i>Journal of Chromatography A</i> , 2015 , 1393, 8-17	4.5	41
16	An ultrasensitive molecularly imprinted electrochemical sensor based on graphene oxide/carboxylated multiwalled carbon nanotube/ionic liquid/gold nanoparticle composites for vanillin analysis. <i>RSC Advances</i> , 2015 , 5, 92932-92939	3.7	18
15	Bioreceptor multi-walled carbon nanotubes@Fe ₃ O ₄ @SiO ₂ surface molecular imprinted polymer in an ultrasensitive chemiluminescent biosensor for bovine hemoglobin. <i>RSC Advances</i> , 2015 , 5, 88492-88499	3.7	19
14	Graphene coating bonded onto stainless steel wire as a solid-phase microextraction fiber. <i>Talanta</i> , 2015 , 134, 200-205	6.2	36
13	Electrochemical sensor based on magnetic graphene oxide@gold nanoparticles-molecular imprinted polymers for determination of dibutyl phthalate. <i>Talanta</i> , 2015 , 131, 354-60	6.2	95
12	Nanostructured-silver-coated polyetheretherketone tube for online in-tube solid-phase microextraction coupled with high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015 , 38, 3239-3246	3.4	20
11	Fabrication of novel magnetic nanocomposite with a number of adsorption sites for the removal of dye. <i>International Journal of Biological Macromolecules</i> , 2015 , 78, 17-22	7.9	18
10	Biorecognition and highly sensitive determination of Ribonuclease A with chemiluminescence sensor based on Fe ₃ O ₄ /multi-walled carbon nanotubes/SiO ₂ -surface molecular imprinting polymer. <i>RSC Advances</i> , 2015 , 5, 18850-18857	3.7	10
9	A sensitive and selective chemiluminescence sensor for the determination of dopamine based on silanized magnetic graphene oxide-molecularly imprinted polymer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 139, 374-9	4.4	60
8	Preparation of magnetic ionic liquid/chitosan/graphene oxide composite and application for water treatment. <i>International Journal of Biological Macromolecules</i> , 2014 , 66, 172-8	7.9	97
7	A novel chemiluminescence sensor for determination of vanillin with magnetite/graphene oxide molecularly imprinted polymers. <i>Analytical Methods</i> , 2014 , 6, 8706-8712	3.2	13

6	A label-free amperometric immunosensor for detection of zearalenone based on trimetallic Au-core/AgPt-shell nanorattles and mesoporous carbon. <i>Analytica Chimica Acta</i> , 2014 , 847, 29-36	6.6	62
5	Magnetically separable functionalized graphene oxide decorated with magnetic cyclodextrin as an excellent adsorbent for dye removal. <i>RSC Advances</i> , 2014 , 4, 37114	3.7	27
4	Study of fuchsine adsorption on magnetic chitosan/graphene oxide. <i>RSC Advances</i> , 2014 , 4, 24679	3.7	18
3	Multiwalled carbon nanotubes-doped polymeric ionic liquids coating for multiple headspace solid-phase microextraction. <i>Talanta</i> , 2014 , 123, 18-24	6.2	38
2	Adsorption property of Cr(VI) on magnetic mesoporous titanium dioxide-graphene oxide core-shell microspheres. <i>New Journal of Chemistry</i> , 2014 , 38, 6008-6016	3.6	45
1	Synthesis of graphene oxide decorated with magnetic cyclodextrin for fast chromium removal. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24577		197