

Li-Shi Wang

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.

86
papers

1,640
citations

21
h-index

36
g-index

89
ext. papers

1,919
ext. citations

5.3
avg, IF

5.14
L-index

#	Paper	IF	Citations
86	Graphitic Carbon Nitride Quantum Dots in Dual-Mode Fluorescence Switching Platforms for Trace Analysis of Ag(I) and L-Cysteine. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4230-4240	5.6	0
85	A Nanopipette Supported Oil/Water Interface Sensor for the Kinetics Analysis and Determination of Phenothiazine Derivatives. <i>Electrochimica Acta</i> , 2022 , 423, 140568	6.7	0
84	Polythionine Coated on Au/Co ₃ O ₄ Enhances the Performance for Hydrogen Evolution Reaction. <i>Nano</i> , 2021 , 16, 2150055	1.1	
83	A ferrocene-linked metal-covalent organic polymer as a peroxidase-enzyme mimic for dual channel detection of hydrogen peroxide. <i>Analyst, The</i> , 2021 , 146, 487-494	5	0
82	Ion Selective Detection Based on the Nuances of the Kinetic Fingerprint for Ion Transfer at Soft Interfaces. <i>Analytical Chemistry</i> , 2021 , 93, 3353-3361	7.8	0
81	Electrochemical Polymerization Induced Chirality Fixation of Crystalline Pillararene-Based Polymer and Its Application in Interfacial Chiral Sensing. <i>Analytical Chemistry</i> , 2021 , 93, 9965-9969	7.8	1
80	Confined Synthesis of Silver Wire at the Nanopipette-Liquid/Liquid Interface. <i>Langmuir</i> , 2021 , 37, 10741-10749	4.1	1
79	Preparation of Gas-Responsive Imprinting Hydrogel and Their Gas-Driven Switchable Affinity for Target Protein Recognition. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24363-24369	9.5	16
78	A Convenient Approach to Constructing Superhydrophobic Paper Sensor for Gas Detection with High Immunity to Humidity. <i>Nano</i> , 2020 , 15, 2050091	1.1	3
77	A nanospherical conjugated microporous polymer-graphene nanosheets modified molecularly imprinted electrochemical sensor for high sensitivity detection of β -Synuclein. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 862, 113994	4.1	18
76	Detection and FEM studies of dichromate (Cr ₂ O ₇ ²⁻) by allyltriethoxysilane modified nanochannel. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 858, 113818	4.1	7
75	A dual-emission water-soluble g-C ₃ N ₄ @AuNCs-based fluorescent probe for label-free and sensitive analysis of trace amounts of ferrous (II) and copper (II) ions. <i>Sensors and Actuators B: Chemical</i> , 2020 , 309, 127766	8.5	19
74	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. <i>ChemistrySelect</i> , 2020 , 5, 3574-3580	1.8	2
73	Ag nanoparticles decorated into metal-organic framework (Ag NPs/ZIF-8) for electrochemical sensing of chloride ion. <i>Nanotechnology</i> , 2020 , 31, 125601	3.4	21
72	An Impedance Molecularly Imprinted Sensor for the Detection of Bovine Serum Albumin (BSA) Using the Dynamic Electrochemical Impedance Spectroscopy. <i>Electroanalysis</i> , 2020 , 32, 923-930	3	5
71	Ion Transfer-Resolved Fusion Impacts of Single Droplets Probed at the Liquid/Liquid Interface. <i>Analytical Chemistry</i> , 2020 , 92, 15394-15402	7.8	1
70	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. <i>Analytical Chemistry</i> , 2020 , 92, 11635-11643	7.8	5

69	Fast and selective detection of mercury ions in environmental water by paper-based fluorescent sensor using boronic acid functionalized MoS quantum dots. <i>Journal of Hazardous Materials</i> , 2020 , 381, 120969	12.8	61
68	Experimental and finite element method studies for femtomolar cobalt ion detection using a DHI modified nanochannel. <i>Analyst, The</i> , 2019 , 144, 6118-6127	5	9
67	A renewable, flexible and robust single layer nitrogen-doped graphene coating Sn foil for boosting formate production from electrocatalytic CO ₂ reduction. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 166-170	7.6	18
66	Boronic acid-functionalized molybdenum disulfide quantum dots for the ultrasensitive analysis of dopamine based on synergistic quenching effects from IFE and aggregation. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2799-2807	7.3	17
65	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. <i>Biosensors and Bioelectronics</i> , 2019 , 131, 156-162	11.8	34
64	Nanomaterial ink for on-site painted sensor on studies of the electrochemical detection of organophosphorus pesticide residuals of supermarket vegetables. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 841, 45-50	4.1	15
63	Effect of Morphology of γ -MnO ₂ on Hydrogen Peroxide Sensing. <i>ChemistrySelect</i> , 2019 , 4, 4035-4043	1.8	7
62	Sensitive electrochemical detection of gp120 based on the combination of NBD-556 and gp120. <i>Talanta</i> , 2019 , 196, 486-492	6.2	9
61	Rethinking Co(CO) ₃ 0.5(OH)·1.1H ₂ O: a new property for highly selective electrochemical reduction of carbon dioxide to methanol in aqueous solution. <i>Green Chemistry</i> , 2018 , 20, 2967-2972	10	34
60	Mechanism studies of hydrazine electro-oxidation by a platinum ultramicroelectrode: Effects of supporting electrolytes. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 818, 19-25	4.1	11
59	Mechanism studies of addition reactions between the pyrimidine type radicals and their 3Q5Q neighboring deoxyguanosines.. <i>RSC Advances</i> , 2018 , 8, 2777-2785	3.7	
58	Variations in Surface Morphologies, Properties, and Electrochemical Responses to Nitro-Analyte by Controlled Electropolymerization of Thiophene Derivatives. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11319-11327	9.5	53
57	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 136-141	11.8	50
56	Label-Free Simultaneous Analysis of Fe(III) and Ascorbic Acid Using Fluorescence Switching of Ultrathin Graphitic Carbon Nitride Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26118-26127	9.5	59
55	An electro-responsive imprinted biosensor with switchable affinity toward proteins. <i>Chemical Communications</i> , 2018 , 54, 9163-9166	5.8	13
54	One-Dimensional Nanowire Hybrids Constructed from Silver Nanowire and Carboxylic Multi-Walled Carbon Nanotubes for Electrochemical Simultaneous Determination of Guanine and Adenine. <i>ChemistrySelect</i> , 2018 , 3, 8514-8521	1.8	0
53	Boosting CHOH Production in Electrocatalytic CO Reduction over Partially Oxidized 5 nm Cobalt Nanoparticles Dispersed on Single-Layer Nitrogen-Doped Graphene. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 44403-44414	9.5	34
52	A Highly Sensitive Determination of Parathion Pesticide by Solid-Phase Extraction on a Silicon Carbide Nanoparticles Modified Electrode. <i>ChemistrySelect</i> , 2018 , 3, 11510-11516	1.8	1

51	Mass production of tunable multicolor graphene quantum dots from an energy resource of coke by a one-step electrochemical exfoliation. <i>Carbon</i> , 2018 , 140, 508-520	10.4	40
50	Voltammetric and microscopical investigation of the properties and behaviors of individual mercury micro-droplets. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 784, 145-152	4.1	8
49	MIPs-graphene nanoplatelets-MWCNTs modified glassy carbon electrode for the determination of cardiac troponin I. <i>Analytical Biochemistry</i> , 2017 , 520, 9-15	3.1	32
48	High sensitivity chlorogenic acid detection based on multiple layer-by-layer self-assembly films of chitosan and multi-walled carbon nanotubes on a glassy carbon electrode. <i>RSC Advances</i> , 2017 , 7, 6950-6956	3.7	18
47	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. <i>RSC Advances</i> , 2017 , 7, 535-542	3.7	34
46	DNA intrastrand cross-links induced by the purine-type deoxyguanosine-8-yl radical: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16621-16628	3.6	3
45	Formation of pyrimidine-pyrimidine type DNA intrastrand cross-links: a theoretical verification. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 28907-28916	3.6	2
44	A highly sensitive morin sensor based on PEDT/Au/rGO nanocomposites modified glassy carbon electrode. <i>RSC Advances</i> , 2017 , 7, 47781-47788	3.7	14
43	Effects of Interfacial Properties of a Surface Modified Surface Plasmon Resonance Chip on Protein Immobilization Performance. <i>Analytical Sciences</i> , 2017 , 33, 481-486	1.7	1
42	Design, synthesis and application of carboxylic multi-walled carbon nanotubes/tetrahexahedral platinum nanocrystals nanocomposites biosensor for simultaneous determination of guanine and adenine in DNA. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 801, 536-544	4.1	9
41	Single Organic Droplet Collision Voltammogram via Electron Transfer Coupled Ion Transfer. <i>Analytical Chemistry</i> , 2017 , 89, 9284-9291	7.8	19
40	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44114-44123	9.5	31
39	Coordination matrix/signal amplifier strategy for simultaneous electrochemical determination of cadmium(II), lead(II), copper(II), and mercury(II) ions based on polyfurfural film/multi-walled carbon nanotube modified electrode. <i>RSC Advances</i> , 2017 , 7, 28556-28563	3.7	16
38	Near-infrared quantum dots based fluorescent assay of Cu ²⁺ and in vitro cellular and in vivo imaging. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 641-647	8.5	22
37	Effect of forced convection on the collision and interaction between nanoparticles and ultramicroelectrode. <i>Journal of Colloid and Interface Science</i> , 2016 , 467, 158-164	9.3	8
36	Improved performance of cobalt-based spinel by the simple solvothermal method as electrocatalyst for oxygen reduction reaction in alkaline solution. <i>Ionics</i> , 2016 , 22, 1425-1432	2.7	8
35	Facile electrochemical method and corresponding automated instrument for the detection of furfural in insulation oil. <i>Talanta</i> , 2016 , 148, 412-8	6.2	4
34	Ultrasensitive electrochemical determination of Ponceau 4R with a novel EMnO ₂ microspheres/chitosan modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2016 , 206, 176-183	6.7	24

33	High sensitivity simultaneous determination of myricetin and rutin using a polyfurfural film modified glassy carbon electrode. <i>RSC Advances</i> , 2016 , 6, 95435-95441	3.7	10
32	Co ₃ O ₄ supported on N, P-doped carbon as a bifunctional electrocatalyst for oxygen reduction and evolution reactions. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 1249-1256	11.3	21
31	Electrochemical Determination of Hydrogen Peroxide and Glucose by Titanium(IV) Oxide Nanotube Arrays. <i>Analytical Letters</i> , 2015 , 48, 1698-1706	2.2	1
30	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. <i>Electrochimica Acta</i> , 2015 , 186, 465-470	6.7	18
29	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015 , 73, 71-78	11.8	21
28	Simultaneous electrochemical determination of nitrophenol isomers with the polyfurfural film modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 743, 105-111	4.1	43
27	Approach for discrimination and quantification of electroactive species: kinetics difference revealed by higher harmonics of Fourier transformed sinusoidal voltammetry. <i>Analytical Chemistry</i> , 2015 , 87, 448-56	7.8	4
26	Synthesis of three-dimensional (3D) hierarchical titanate nanoarchitectures from Ti particles and their photocatalytic degradation of tetracycline hydrochloride under visible-light irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6934-40	1.3	10
25	A Label-Free Electrochemical Immunosensor for Clostridium Difficile Toxin B Based on One-Step Immobilization of Thionine in a Silica Matrix. <i>Analytical Letters</i> , 2014 , 47, 2255-2265	2.2	2
24	Preparation and Characterization of the Fluorescent Carbon Dots Derived from the Lithium-Intercalated Graphite used for Cell Imaging. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 771-777	3.1	10
23	Enhancing the analytical selectivity of voltammetric technique by the combination of harmonic analysis and "fingerprint" phase angle lock-in detection. <i>Analytical Chemistry</i> , 2013 , 85, 83-90	7.8	6
22	Direct Electrocatalytic Oxidation and Simultaneous Determination of 5-Methylcytosine and Cytosine at Electrochemically Reduced Graphene Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2013 , 25, 1697-1705	3	9
21	Oxygen-rich bismuth oxyhalides: generalized one-pot synthesis, band structures and visible-light photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22840		225
20	Study on the polyfurfural film modified glassy carbon electrode and its application in polyphenols determination. <i>Journal of Electroanalytical Chemistry</i> , 2012 , 687, 25-29	4.1	30
19	Glassy Carbon Electrode Modified with Citrate Stabilized Gold Nanoparticles for Sensitive Arsenic (III) Detection. <i>Analytical Letters</i> , 2012 , 45, 1184-1196	2.2	19
18	Preparation, characterization and the electrogenerated chemiluminescence behavior of WO ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9901-9905	5.7	5
17	Glassy carbon electrode modified with organic/organic pillared montmorillonites for voltammetric detection of mercury. <i>Mikrochimica Acta</i> , 2011 , 172, 335-341	5.8	10
16	A fast and simple electrochemical impedance spectroscopy measurement technique and its application in portable, low-cost instrument for impedimetric biosensing. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 657, 158-163	4.1	15

15	Coupling of acetonitrile deproteinization and salting-out extraction with acetonitrile stacking in chiral capillary electrophoresis for the determination of warfarin enantiomers. <i>Journal of Chromatography A</i> , 2011 , 1218, 4045-51	4.5	52
14	A Novel Electrochemiluminescence Sensor Based on Titanate Nanotubes with Excellent Adsorption Capability Towards Ru(bpy) ₃ 2+. <i>Analytical Letters</i> , 2011 , 44, 1217-1225	2.2	
13	A simultaneous study of kinetics and thermodynamics of anion transfer across the liquid/liquid interface by means of Fourier transformed large-amplitude square-wave voltammetry at three-phase electrode. <i>Langmuir</i> , 2010 , 26, 19209-16	4	14
12	Synthesis, characterization and the electrocatalytic application of prussian blue/titanate nanotubes nanocomposite. <i>Solid State Sciences</i> , 2010 , 12, 1764-1769	3.4	19
11	An Experimental Investigation of Quasireversible Maximum of Azobenzene on Mercury Electrode by Fourier Transformed Square-Wave Voltammetry. <i>Electroanalysis</i> , 2009 , 21, 755-761	3	10
10	Estimation of the kinetics of anion transfer across the liquid/liquid interface, by means of Fourier transformed square-wave voltammetry. <i>Electrochemistry Communications</i> , 2009 , 11, 1333-1336	5.1	14
9	Synthesis and characterization of WO ₃ /titanate nanotubes nanocomposite with enhanced photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2009 , 470, 486-491	5.7	83
8	A novel sonochemical synthesis and nanostructured assembly of polyvinylpyrrolidone-capped CdS colloidal nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2993-3000	3.9	30
7	Preparation and characterization of CdS nanoparticles decorated into titanate nanotubes and their photocatalytic properties. <i>Nanotechnology</i> , 2008 , 19, 015706	3.4	71
6	Method of evaluation of electron transfer kinetics of a surface-confined redox system by means of Fourier transformed square wave voltammetry. <i>Analytical Chemistry</i> , 2008 , 80, 5666-70	7.8	10
5	The ultrasonic electropolymerization of an 5-[o-(4-bromine amyloxy)phenyl]-10,15,20-triphenylporphrin (o-BrPETPP) film electrode and its electrocatalytic properties to dopamine oxidation in aqueous solution. <i>Electrochimica Acta</i> , 2008 , 53, 4156-4160	6.7	12
4	Electrochemical study of methylene blue/titanate nanotubes nanocomposite and its layer-by-layer assembly multilayer films. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 1159-1166	2.6	24
3	A Versatile System for Arbitrary Function Large-Amplitude Fourier Transformed Voltammetry. <i>Electroanalysis</i> , 2007 , 19, 1421-1428	3	7
2	Electrochemical Behavior of Deoxycholic Acid on Multiwalled Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2006 , 18, 2385-2388	3	7
1	Simultaneous Determination of Ascorbic Acid and Dopamine at Electropolymerized Manganese(III) 5-[o-(1-imidazole butoxy) phenyl]-10,15,20-triphenylporphrine Chloride Film-modified Glass Carbon Electrode. <i>Chinese Journal of Analytical Chemistry</i> , 2006 , 34, 637-641	1.6	10