

Li-Shi Wang

List of Publications by Year in descending order

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89
papers

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citations

236612

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3123
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#	ARTICLE	IF	CITATIONS
1	Oxygen-rich bismuth oxyhalides: generalized one-pot synthesis, band structures and visible-light photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 22840.	6.7	268
2	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.	4.0	95
3	Synthesis and characterization of WO ₃ /titanate nanotubes nanocomposite with enhanced photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2009, 470, 486-491.	2.8	88
4	Fast and selective detection of mercury ions in environmental water by paper-based fluorescent sensor using boronic acid functionalized MoS ₂ quantum dots. <i>Journal of Hazardous Materials</i> , 2020, 381, 120969.	6.5	88
5	Preparation and characterization of CdS nanoparticles decorated into titanate nanotubes and their photocatalytic properties. <i>Nanotechnology</i> , 2008, 19, 015706.	1.3	74
6	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.	4.0	70
7	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.	5.4	68
8	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. <i>Biosensors and Bioelectronics</i> , 2018, 99, 136-141.	5.3	67
9	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. <i>Biosensors and Bioelectronics</i> , 2019, 131, 156-162.	5.3	60
10	Boosting CH ₃ OH Production in Electrocatalytic CO ₂ 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.	4.0	56
11	Rethinking Co(CO ₃) _{0.5} (OH)·0.11H 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.	4.6	55
12	Simultaneous electrochemical determination of nitrophenol isomers with the polyfurfural film modified glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015, 743, 105-111.	1.9	54
13	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, 4045-4051.	1.8	53
14	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. <i>RSC Advances</i> , 2017, 7, 535-542.	1.7	45
15	Ag nanoparticles decorated into metal-organic framework (Ag NPs/ZIF-8) for electrochemical sensing of chloride ion. <i>Nanotechnology</i> , 2020, 31, 125601.	1.3	45
16	A nanospherical conjugated microporous polymer-graphene nanosheets modified molecularly imprinted electrochemical sensor for high sensitivity detection of Î±-Synuclein. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 113994.	1.9	42
17	MIPs-graphene nanoplatelets-MWCNTs modified glassy carbon electrode for the determination of cardiac troponin I. <i>Analytical Biochemistry</i> , 2017, 520, 9-15.	1.1	41
18	Ultrasensitive electrochemical determination of Ponceau 4R with a novel Î¼-MnO ₂ microspheres/chitosan modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2016, 206, 176-183.	2.6	40

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19	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44114-44123.	4.0	39
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.	1.9	35
21	Single Organic Droplet Collision Voltammogram via Electron Transfer Coupled Ion Transfer. <i>Analytical Chemistry</i> , 2017, 89, 9284-9291.	3.2	32
22	A novel sonochemical synthesis and nanostructured assembly of polyvinylpyrrolidone-capped CdS colloidal nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2993-3000.	1.5	30
23	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.	6.9	29
24	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.	4.0	29
25	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.	3.3	27
26	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.	4.0	26
27	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.	2.9	26
28	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.	4.0	26
29	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.	1.2	25
30	Synthesis, characterization and the electrocatalytic application of prussian blue/titanate nanotubes nanocomposite. <i>Solid State Sciences</i> , 2010, 12, 1764-1769.	1.5	25
31	Glassy Carbon Electrode Modified with Citrate Stabilized Gold Nanoparticles for Sensitive Arsenic (III) Detection. <i>Analytical Letters</i> , 2012, 45, 1184-1196.	1.0	24
32	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.	1.7	23
33	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2015, 73, 71-78.	5.3	22
34	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. <i>Electrochimica Acta</i> , 2015, 186, 465-470.	2.6	22
35	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.	1.7	20
36	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.	1.9	20

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37	A highly sensitive morin sensor based on PEDTâ€“Au/rGO nanocomposites modified glassy carbon electrode. RSC Advances, 2017, 7, 47781-47788.	1.7	19
38	A fast and simple electrochemical impedance spectroscopy measurement technique and its application in portable, low-cost instrument for impedimetric biosensing. Journal of Electroanalytical Chemistry, 2011, 657, 158-163.	1.9	18
39	An electro-responsive imprinted biosensor with switchable affinity toward proteins. Chemical Communications, 2018, 54, 9163-9166.	2.2	16
40	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. Langmuir, 2010, 26, 19209-19216.	1.6	15
41	Method of Evaluation of Electron Transfer Kinetics of a Surface-Confined Redox System by Means of Fourier Transformed Square Wave Voltammetry. Analytical Chemistry, 2008, 80, 5666-5670.	3.2	14
42	Estimation of the kinetics of anion transfer across the liquid/liquid interface, by means of Fourier transformed square-wave voltammetry. Electrochemistry Communications, 2009, 11, 1333-1336.	2.3	14
43	Synthesis of Three-Dimensional (3D) Hierarchical Titanate Nanoarchitectures from Ti Particles and Their Photocatalytic Degradation of Tetracycline Hydrochloride Under Visible-Light Irradiation. Journal of Nanoscience and Nanotechnology, 2014, 14, 6934-6940.	0.9	14
44	High sensitivity simultaneous determination of myricetin and rutin using a polyfurfural film modified glassy carbon electrode. RSC Advances, 2016, 6, 95435-95441.	1.7	14
45	Sensitive electrochemical detection of gp120 based on the combination of NBD-556 and gp120. Talanta, 2019, 196, 486-492.	2.9	14
46	An Impedance Molecularly Imprinted Sensor for the Detection of Bovine Serum Albumin (BSA) Using the Dynamic Electrochemical Impedance Spectroscopy. Electroanalysis, 2020, 32, 923-930.	1.5	14
47	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. Electrochimica Acta, 2008, 53, 4156-4160.	2.6	13
48	Mechanism studies of hydrazine electro-oxidation by a platinum ultramicroelectrode: Effects of supporting electrolytes. Journal of Electroanalytical Chemistry, 2018, 818, 19-25.	1.9	13
49	Design, synthesis and application of carboxylic multi-walled carbon nanotubes/tetrahedral platinum nanocrystals nanocomposites biosensor for simultaneous determination of guanine and adenine in DNA. Journal of Electroanalytical Chemistry, 2017, 801, 536-544.	1.9	12
50	Experimental and finite element method studies for femtomolar cobalt ion detection using a DHI modified nanochannel. Analyst, The, 2019, 144, 6118-6127.	1.7	12
51	Glassy carbon electrode modified with organicâ€“inorganic pillared montmorillonites for voltammetric detection of mercury. Mikrochimica Acta, 2011, 172, 335-341.	2.5	11
52	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. Chinese Journal of Analytical Chemistry, 2006, 34, 637-641.	0.9	10
53	An Experimental Investigation of Quasireversible Maximum of Azobenzene on Mercury Electrode by Fourier Transformed Squareâ€“Wave Voltammetry. Electroanalysis, 2009, 21, 755-761.	1.5	10
54	Direct Electrocatalytic Oxidation and Simultaneous Determination of 5â€“Methylcytosine and Cytosine at Electrochemically Reduced Graphene Modified Glassy Carbon Electrode. Electroanalysis, 2013, 25, 1697-1705.	1.5	10

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55	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.	1.2	10
56	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.	5.0	10
57	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.	1.2	10
58	Effect of Morphology of $\mu\text{-MnO}_2$ on Hydrogen Peroxide Sensing. <i>ChemistrySelect</i> , 2019, 4, 4035-4043.	0.7	10
59	Voltammetric and microscopical investigation of the properties and behaviors of individual mercury micro-droplets. <i>Journal of Electroanalytical Chemistry</i> , 2017, 784, 145-152.	1.9	9
60	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. <i>Analytical Chemistry</i> , 2020, 92, 11635-11643.	3.2	9
61	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.	3.2	9
62	Electrochemical Behavior of Deoxycholic Acid on Multiwalled Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2006, 18, 2385-2388.	1.5	8
63	A Versatile System for Arbitrary Function Large-Amplitude Fourier Transformed Voltammetry. <i>Electroanalysis</i> , 2007, 19, 1421-1428.	1.5	8
64	A ferrocene-linked metal-covalent organic polymer as a peroxidase-enzyme mimic for dual channel detection of hydrogen peroxide. <i>Analyst</i> , 2021, 146, 487-494.	1.7	8
65	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.	3.2	7
66	Detection and FEM studies of dichromate ($\text{Cr}_2\text{O}_7^{2-}$) by allyltriethoxysilane modified nanochannel. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113818.	1.9	7
67	Preparation, characterization and the electrogenerated chemiluminescence behavior of WO_3 nanocrystals. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9901-9905.	2.8	6
68	Facile electrochemical method and corresponding automated instrument for the detection of furfural in insulation oil. <i>Talanta</i> , 2016, 148, 412-418.	2.9	6
69	A Convenient Approach to Constructing Superhydrophobic Paper Sensor for Gas Detection with High Immunity to Humidity. <i>Nano</i> , 2020, 15, 2050091.	0.5	6
70	Graphitic Carbon Nitride Quantum Dots in Dual-Mode Fluorescence Switching Platforms for Trace Analysis of $\text{Ag}(\text{I})$ and I^- -Cysteine. <i>ACS Applied Nano Materials</i> , 2022, 5, 4230-4240.	2.4	6
71	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, 448-456.	3.2	5
72	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.	1.3	5

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73	Ion Transfer-Resolved Fusion Impacts of Single Droplets Probed at the Liquid/Liquid Interface. <i>Analytical Chemistry</i> , 2020, 92, 15394-15402.	3.2	5
74	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. <i>ChemistrySelect</i> , 2020, 5, 3574-3580.	0.7	5
75	Studies on the Morphology Effect on Catalytic Ability of a Single MnO ₂ Catalyst Particle with a Solid Nanopipette. <i>ACS Sensors</i> , 2022, 7, 338-344.	4.0	5
76	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.	1.0	4
77	Defined Ion-Transfer Voltammetry of a Single Microdroplet at a Polarized Liquid/Liquid Interface. <i>Analytical Chemistry</i> , 2022, 94, 1850-1858.	3.2	4
78	A Nanopipette Supported Oil/Water Interface Sensor for the Kinetics Analysis and Determination of Phenothiazine Derivatives. <i>Electrochimica Acta</i> , 2022, 423, 140568.	2.6	4
79	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.	0.7	3
80	Formation of pyrimidine-pyrimidine type DNA intrastrand cross-links: a theoretical verification. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28907-28916.	1.3	2
81	Effects of Interfacial Properties of a Surface Modified Surface Plasmon Resonance Chip on Protein Immobilization Performance. <i>Analytical Sciences</i> , 2017, 33, 481-486.	0.8	2
82	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.	0.7	2
83	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.	3.2	2
84	Electrochemical Determination of Hydrogen Peroxide and Glucose by Titanium(IV) Oxide Nanotube Arrays. <i>Analytical Letters</i> , 2015, 48, 1698-1706.	1.0	1
85	Confined Synthesis of Silver Wire at the Nanopipette-Liquid/Liquid Interface. <i>Langmuir</i> , 2021, 37, 10741-10749.	1.6	1
86	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.	1.0	0
87	Mechanism studies of addition reactions between the pyrimidine type radicals and their 3 ² /5 ² neighboring deoxyguanosines. <i>RSC Advances</i> , 2018, 8, 2777-2785.	1.7	0
88	Polythionine Coated on Au/Co ₃ O ₄ Enhances the Performance for Hydrogen Evolution Reaction. <i>Nano</i> , 2021, 16, 2150055.	0.5	0
89	Sensitive Detection of 8-Hydroxyquinoline in Cosmetics by Using a Poly(tannic acid)-Modified Glassy Carbon Electrode. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0