Li-Shi Wang

List of Publications by Year
in descending order

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89 papers	2,211 citations	236612 25 h-index	253896 43 g-index
89 all docs	89 docs citations	89 times ranked	3123 citing authors

#	Article	IF	Citations
1	Studies on the Morphology Effect on Catalytic Ability of a Single MnO₂ Catalyst Particle with a Solid Nanopipette. ACS Sensors, 2022, 7, 338-344.	4.0	5
2	Defined Ion-Transfer Voltammetry of a Single Microdroplet at a Polarized Liquid/Liquid Interface. Analytical Chemistry, 2022, 94, 1850-1858.	3.2	4
3	Graphitic Carbon Nitride Quantum Dots in Dual-Mode Fluorescence Switching Platforms for Trace Analysis of Ag(I) and <scp>l</scp>-Cysteine. ACS Applied Nano Materials, 2022, 5, 4230-4240.	2.4	6
4	Sensitive Detection of 8â€Hydroxyquinoline in Cosmetics by Using a Poly(tannic acid)â€Modified Glassy Carbon Electrode. ChemistrySelect, 2022, 7, .	0.7	0
5	A Nanopipette Supported Oil/Water Interface Sensor for the Kinetics Analysis and Determination of Phenothiazine Derivatives. Electrochimica Acta, 2022, 423, 140568.	2.6	4
6	A ferrocene-linked metal-covalent organic polymer as a peroxidase-enzyme mimic for dual channel detection of hydrogen peroxide. Analyst, The, 2021, 146, 487-494.	1.7	8
7	Ion Selective Detection Based on the Nuances of the Kinetic Fingerprint for Ion Transfer at Soft Interfaces. Analytical Chemistry, 2021, 93, 3353-3361.	3.2	2
8	Polythionine Coated on Au/Co₃O₄ Enhances the Performance for Hydrogen Evolution Reaction. Nano, 2021, 16, 2150055.	0.5	0
9	Electrochemical Polymerization Induced Chirality Fixation of Crystalline Pillararene-Based Polymer and Its Application in Interfacial Chiral Sensing. Analytical Chemistry, 2021, 93, 9965-9969.	3.2	9
10	Confined Synthesis of Silver Wire at the Nanopipetteâ€"Liquid/Liquid Interface. Langmuir, 2021, 37, 10741-10749.	1.6	1
11	Fast and selective detection of mercury ions in environmental water by paper-based fluorescent sensor using boronic acid functionalized MoS2 quantum dots. Journal of Hazardous Materials, 2020, 381, 120969.	6.5	88
12	Ag nanoparticles decorated into metal-organic framework (Ag NPs/ZIF-8) for electrochemical sensing of chloride ion. Nanotechnology, 2020, 31, 125601.	1.3	45
13	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
14	Ion Transfer-Resolved Fusion Impacts of Single Droplets Probed at the Liquid/Liquid Interface. Analytical Chemistry, 2020, 92, 15394-15402.	3.2	5
15	A Fourier Transform-Induced Data Process for Label-Free Selective Nanopore Analysis under Sinusoidal Voltage Excitations. Analytical Chemistry, 2020, 92, 11635-11643.	3.2	9
16	Preparation of Gas-Responsive Imprinting Hydrogel and Their Gas-Driven Switchable Affinity for Target Protein Recognition. ACS Applied Materials & Interfaces, 2020, 12, 24363-24369.	4.0	26
17	A Convenient Approach to Constructing Superhydrophobic Paper Sensor for Gas Detection with High Immunity to Humidity. Nano, 2020, 15, 2050091.	0.5	6
18	A nanospherical conjugated microporous polymer-graphene nanosheets modified molecularly imprinted electrochemical sensor for high sensitivity detection of Î±-Synuclein. Journal of Electroanalytical Chemistry, 2020, 862, 113994.	1.9	42

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19	Detection and FEM studies of dichromate (Cr2O72â^') by allyltriethoxysilane modified nanochannel. Journal of Electroanalytical Chemistry, 2020, 858, 113818.	1.9	7
20	A dual-emission water-soluble g-C3N4@AuNCs-based fluorescent probe for label-free and sensitive analysis of trace amounts of ferrous (II) and copper (II) ions. Sensors and Actuators B: Chemical, 2020, 309, 127766.	4.0	29
21	An Electropolymerized Molecularly Imprinted Electrochemical Sensor for the Selective Determination of Bisphenol A Diglycidyl Ether. ChemistrySelect, 2020, 5, 3574-3580.	0.7	5
22	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
23	A renewable, flexible and robust single layer nitrogen-doped graphene coating Sn foil for boosting formate production from electrocatalytic CO2 reduction. Journal of CO2 Utilization, 2019, 33, 166-170.	3.3	27
24	Boronic acid-functionalized molybdenum disulfide quantum dots for the ultrasensitive analysis of dopamine based on synergistic quenching effects from IFE and aggregation. Journal of Materials Chemistry B, 2019, 7, 2799-2807.	2.9	26
25	Near-infrared light-responsive electrochemical protein imprinting biosensor based on a shape memory conducting hydrogel. Biosensors and Bioelectronics, 2019, 131, 156-162.	5.3	60
26	Nanomaterial ink for on-site painted sensor on studies of the electrochemical detection of organophosphorus pesticide residuals of supermarket vegetables. Journal of Electroanalytical Chemistry, 2019, 841, 45-50.	1.9	20
27	Effect of Morphology of Ïµâ€MnO₂ on Hydrogen Peroxide Sensing. ChemistrySelect, 2019, 4, 4035-4043.	0.7	10
28	Sensitive electrochemical detection of gp120 based on the combination of NBD-556 and gp120. Talanta, 2019, 196, 486-492.	2.9	14
29	Rethinking Co(CO₃)_{0.5}(OH)Â·0.11H₂O: a new property for highly selective electrochemical reduction of carbon dioxide to methanol in aqueous solution. Green Chemistry, 2018, 20, 2967-2972.	4.6	55
30	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
31	Mechanism studies of addition reactions between the pyrimidine type radicals and their 3â€²/5â€² neighboring deoxyguanosines. RSC Advances, 2018, 8, 2777-2785.	1.7	0
32	Variations in Surface Morphologies, Properties, and Electrochemical Responses to Nitro-Analyte by Controlled Electropolymerization of Thiophene Derivatives. ACS Applied Materials & Interfaces, 2018, 10, 11319-11327.	4.0	70
33	Self-cleaned electrochemical protein imprinting biosensor basing on a thermo-responsive memory hydrogel. Biosensors and Bioelectronics, 2018, 99, 136-141.	5.3	67
34	Boosting CH₃OH Production in Electrocatalytic CO₂ Reduction over Partially Oxidized 5 nm Cobalt Nanoparticles Dispersed on Single-Layer Nitrogen-Doped Graphene. ACS Applied Materials & Interfaces, 2018, 10, 44403-44414.	4.0	56
35	A Highly Sensitive Determination of Parathion Pesticide by Solidâ€Phase Extraction on a Silicon Carbide Nanoparticles Modified Electrode. ChemistrySelect, 2018, 3, 11510-11516.	0.7	3
36	Mass production of tunable multicolor graphene quantum dots from an energy resource of coke by a one-step electrochemical exfoliation. Carbon, 2018, 140, 508-520.	5.4	68

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37	Label-Free Simultaneous Analysis of Fe(III) and Ascorbic Acid Using Fluorescence Switching of Ultrathin Graphitic Carbon Nitride Nanosheets. ACS Applied Materials & Interfaces, 2018, 10, 26118-26127.	4.0	95
38	An electro-responsive imprinted biosensor with switchable affinity toward proteins. Chemical Communications, 2018, 54, 9163-9166.	2.2	16
39	Oneâ€Dimensional Nanowire Hybrids Constructed from Silver Nanowire and Carboxylic Multiâ€Walled Carbon Nanotubes for Electrochemical Simultaneous Determination of Guanine and Adenine. ChemistrySelect, 2018, 3, 8514-8521.	0.7	2
40	Voltammetric and microscopical investigation of the properties and behaviors of individual mercury micro-droplets. Journal of Electroanalytical Chemistry, 2017, 784, 145-152.	1.9	9
41	MIPs-graphene nanoplatelets-MWCNTs modified glassy carbon electrode for the determination of cardiac troponin I. Analytical Biochemistry, 2017, 520, 9-15.	1.1	41
42	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. RSC Advances, 2017, 7, 6950-6956.	1.7	23
43	A highly sensitive metronidazole sensor based on a Pt nanospheres/polyfurfural film modified electrode. RSC Advances, 2017, 7, 535-542.	1.7	45
44	DNA intrastrand cross-links induced by the purine-type deoxyguanosine-8-yl radical: a DFT study. Physical Chemistry Chemical Physics, 2017, 19, 16621-16628.	1.3	5
45	Formation of pyrimidineâ€"pyrimidine type DNA intrastrand cross-links: a theoretical verification. Physical Chemistry Chemical Physics, 2017, 19, 28907-28916.	1.3	2
46	A highly sensitive morin sensor based on PEDTâ€"Au/rGO nanocomposites modified glassy carbon electrode. RSC Advances, 2017, 7, 47781-47788.	1.7	19
47	Design, synthesis and application of carboxylic multi-walled carbon nanotubes/tetrahexahedral platinum nanocrystals nanocomposites biosensor for simultaneous determination of guanine and adenine in DNA. Journal of Electroanalytical Chemistry, 2017, 801, 536-544.	1.9	12
48	Single Organic Droplet Collision Voltammogram via Electron Transfer Coupled Ion Transfer. Analytical Chemistry, 2017, 89, 9284-9291.	3.2	32
49	Nanosized Difunctional Photo Responsive Magnetic Imprinting Polymer for Electrochemically Monitored Light-Driven Paracetamol Extraction. ACS Applied Materials & Interfaces, 2017, 9, 44114-44123.	4.0	39
50	Coordination matrix/signal amplifier strategy for simultaneous electrochemical determination of cadmium(<scp>ii</scp>), lead(<scp>ii</scp>), copper(<scp>ii</scp>), and mercury(<scp>ii</scp>) ions based on polyfurfural film/multi-walled carbon nanotube modified electrode. RSC Advances, 2017, 7, 28556-28563.	1.7	20
51	Effects of Interfacial Properties of a Surface Modified Surface Plasmon Resonance Chip on Protein Immobilization Performance. Analytical Sciences, 2017, 33, 481-486.	0.8	2
52	Ultrasensitive electrochemical determination of Ponceau 4R with a novel Îµ-MnO2 microspheres/chitosan modified glassy carbon electrode. Electrochimica Acta, 2016, 206, 176-183.	2.6	40
53	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
54	Co 3 O 4 supported on N, P-doped carbon as a bifunctional electrocatalyst for oxygen reduction and evolution reactions. Chinese Journal of Catalysis, 2016, 37, 1249-1256.	6.9	29

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55	Near-infrared quantum dots based fluorescent assay of Cu2+ and in vitro cellular and in vivo imaging. Sensors and Actuators B: Chemical, 2016, 234, 641-647.	4.0	26
56	Effect of forced convection on the collision and interaction between nanoparticles and ultramicroelectrode. Journal of Colloid and Interface Science, 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. Ionics, 2016, 22, 1425-1432.	1.2	10
58	Facile electrochemical method and corresponding automated instrument for the detection of furfural in insulation oil. Talanta, 2016, 148, 412-418.	2.9	6
59	Metallic nanocrystallites-incorporated ordered mesoporous carbon as labels for a sensitive simultaneous multianalyte electrochemical immunoassay. Biosensors and Bioelectronics, 2015, 73, 71-78.	5.3	22
60	Simultaneous electrochemical determination of nitrophenol isomers with the polyfurfural film modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2015, 743, 105-111.	1.9	54
61	Approach for Discrimination and Quantification of Electroactive Species: Kinetics Difference Revealed by Higher Harmonics of Fourier Transformed Sinusoidal Voltammetry. Analytical Chemistry, 2015, 87, 448-456.	3.2	5
62	Electrochemical Determination of Hydrogen Peroxide and Glucose by Titanium(IV) Oxide Nanotube Arrays. Analytical Letters, 2015, 48, 1698-1706.	1.0	1
63	Polyfurfural film modified glassy carbon electrode for highly sensitive nifedipine determination. Electrochimica Acta, 2015, 186, 465-470.	2.6	22
64	A Label-Free Electrochemical Immunosensor for Clostridium Difficile Toxin B Based on One-Step Immobilization of Thionine in a Silica Matrix. Analytical Letters, 2014, 47, 2255-2265.	1.0	4
65	Preparation and Characterization of the Fluorescent Carbon Dots Derived from the Lithiumâ€Intercalated Graphite used for Cell Imaging. Particle and Particle Systems Characterization, 2014, 31, 771-777.	1.2	10
66	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
67	Enhancing the Analytical Selectivity of Voltammetric Technique by the Combination of Harmonic Analysis and â€œFingerprintâ€•Phase Angle Lock-in Detection. Analytical Chemistry, 2013, 85, 83-90.	3.2	7
68	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
69	Oxygen-rich bismuth oxyhalides: generalized one-pot synthesis, band structures and visible-light photocatalytic properties. Journal of Materials Chemistry, 2012, 22, 22840.	6.7	268
70	Study on the polyfurfural film modified glassy carbon electrode and its application in polyphenols determination. Journal of Electroanalytical Chemistry, 2012, 687, 25-29.	1.9	35
71	Glassy Carbon Electrode Modified with Citrate Stabilized Gold Nanoparticles for Sensitive Arsenic (III) Detection. Analytical Letters, 2012, 45, 1184-1196.	1.0	24
72	A Novel Electrochemiluminescence Sensor Based on Titanate Nanotubes with Excellent Adsorption Capability Towards Ru(bpy)₃²⁺. Analytical Letters, 2011, 44, 1217-1225.	1.0	0

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73	Preparation, characterization and the electrogenerated chemiluminescence behavior of WO3 nanocrystals. Journal of Alloys and Compounds, 2011, 509, 9901-9905.	2.8	6
74	Glassy carbon electrode modified with organicâ€"inorganic pillared montmorillonites for voltammetric detection of mercury. Mikrochimica Acta, 2011, 172, 335-341.	2.5	11
75	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
76	Coupling of acetonitrile deproteinization and salting-out extraction with acetonitrile stacking in chiral capillary electrophoresis for the determination of warfarin enantiomers. Journal of Chromatography A, 2011, 1218, 4045-4051.	1.8	53
77	Synthesis, characterization and the electrocatalytic application of prussian blue/titanate nanotubes nanocomposite. Solid State Sciences, 2010, 12, 1764-1769.	1.5	25
78	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
79	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
80	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
81	Synthesis and characterization of WO3/titanate nanotubes nanocomposite with enhanced photocatalytic properties. Journal of Alloys and Compounds, 2009, 470, 486-491.	2.8	88
82	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
83	Electrochemical study of methylene blue/titanate nanotubes nanocomposite and its layer-by-layer assembly multilayer films. Journal of Solid State Electrochemistry, 2008, 12, 1159-1166.	1.2	25
84	A novel sonochemical synthesis and nanostructured assembly of polyvinylpyrrolidone-capped CdS colloidal nanoparticles. Journal of Non-Crystalline Solids, 2008, 354, 2993-3000.	1.5	30
85	Preparation and characterization of CdS nanoparticles decorated into titanate nanotubes and their photocatalytic properties. Nanotechnology, 2008, 19, 015706.	1.3	74
86	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
87	A Versatile System for Arbitrary Function Large-Amplitude Fourier Transformed Voltammetry. Electroanalysis, 2007, 19, 1421-1428.	1.5	8
88	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
89	Electrochemical Behavior of Deoxycholic Acid on Multiwalled Carbon Nanotubes Modified Electrode. Electroanalysis, 2006, 18, 2385-2388.	1.5	8