

Haijuan Li

List of Publications by Year in descending order

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89
papers

3,940
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117453

34
h-index

128067

60
g-index

91
all docs

91
docs citations

91
times ranked

5507
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Performance Binary Ni-Co Hydroxide-based Water Oxidation Electrode with Three-Dimensional Coaxial Nanotube Array Structure. <i>Advanced Functional Materials</i> , 2014, 24, 4698-4705.	7.8	348
2	Environmentally Friendly and Highly Sensitive Ruthenium(II) Tris(2,2'-bipyridyl) Electrochemiluminescent System Using 2-(Dibutylamino)ethanol as Co-Reactant. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 421-424.	7.2	288
3	Seed-Mediated Growth of Nearly Monodisperse Palladium Nanocubes with Controllable Sizes. <i>Crystal Growth and Design</i> , 2008, 8, 4440-4444.	1.4	230
4	Fluorescent Au nanoclusters: recent progress and sensing applications. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8000-8011.	2.7	133
5	Electrochemiluminescence from tris(2,2'-bipyridyl)ruthenium(II)-graphene-Nafion modified electrode. <i>Talanta</i> , 2009, 79, 165-170.	2.9	129
6	Engineering Plasmonic Gold Nanostructures and Metamaterials for Biosensing and Nanomedicine. <i>Advanced Materials</i> , 2012, 24, 5153-5165.	11.1	128
7	11-Mercaptoundecanoic acid directed one-pot synthesis of water-soluble fluorescent gold nanoclusters and their use as probes for sensitive and selective detection of Cr ³⁺ and Cr ⁶⁺ . <i>Journal of Materials Chemistry C</i> , 2013, 1, 138-143.	2.7	116
8	Enhancing Luminol Electrochemiluminescence by Combined Use of Cobalt-Based Metal Organic Frameworks and Silver Nanoparticles and Its Application in Ultrasensitive Detection of Cardiac Troponin I. <i>Analytical Chemistry</i> , 2019, 91, 3048-3054.	3.2	113
9	Controlled synthesis of porous Ag/Au bimetallic hollow nanoshells with tunable plasmonic and catalytic properties. <i>Nano Research</i> , 2012, 5, 135-144.	5.8	108
10	Multifunctional Compact Hybrid Au Nanoshells: A New Generation of Nanoplasmonic Probes for Biosensing, Imaging, and Controlled Release. <i>Accounts of Chemical Research</i> , 2014, 47, 138-148.	7.6	107
11	Self-standing non-noble metal (Ni-Fe) oxide nanotube array anode catalysts with synergistic reactivity for high-performance water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7179-7186.	5.2	96
12	A Ternary Pt/Au/TiO ₂ -Decorated Plasmonic Wood Carbon for High-Efficiency Interfacial Solar Steam Generation and Photodegradation of Tetracycline. <i>ChemSusChem</i> , 2019, 12, 467-472.	3.6	88
13	Facile and rapid synthesis of water-soluble fluorescent gold nanoclusters for sensitive and selective detection of Ag ⁺ . <i>Journal of Materials Chemistry C</i> , 2013, 1, 908-913.	2.7	78
14	Long-Range Plasmon Field and Plasmoelectric Effect on Catalysis Revealed by Shell-Thickness-Tunable Pinhole-Free Au@SiO ₂ Core-Shell Nanoparticles: A Case Study of <i>p</i> -Nitrophenol Reduction. <i>ACS Catalysis</i> , 2017, 7, 5391-5398.	5.5	73
15	Boosting Electrocatalytic Oxygen Evolution Performance of Ultrathin Co/Ni-MOF Nanosheets via Plasmon-Induced Hot Carriers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37095-37102.	4.0	67
16	Graphene Oxide-Supported Ag Nanoplates as LSPR Tunable and Reproducible Substrates for SERS Applications with Optimized Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18038-18045.	4.0	65
17	Modulating Catalytic Performance of Metal-Organic Framework Composites by Localized Surface Plasmon Resonance. <i>ACS Catalysis</i> , 2019, 9, 11502-11514.	5.5	61
18	Single-cell pH imaging and detection for pH profiling and label-free rapid identification of cancer-cells. <i>Scientific Reports</i> , 2017, 7, 1759.	1.6	56

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19	Nucleus and Mitochondria Targeting Theranostic Plasmonic Surface-Enhanced Raman Spectroscopy Nanoprobes as a Means for Revealing Molecular Stress Response Differences in Hyperthermia Cell Death between Cancerous and Normal Cells. <i>Analytical Chemistry</i> , 2018, 90, 13356-13364.	3.2	50
20	Direct Electrochemistry and Surface Plasmon Resonance Characterization of Alternate Layer-by-Layer Self-Assembled DNA ⁺ /Myoglobin Thin Films on Chemically Modified Gold Surfaces. <i>Langmuir</i> , 2003, 19, 4771-4777.	1.6	48
21	Facile One-Step Photochemical Fabrication and Characterization of an Ultrathin Gold-Decorated Single Glass Nanopipette. <i>Analytical Chemistry</i> , 2015, 87, 3216-3221.	3.2	48
22	Shell Thickness Engineering Significantly Boosts the Photocatalytic H ₂ Evolution Efficiency of CdS/CdSe Core/Shell Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35712-35720.	4.0	48
23	Smart Plasmonic Nanorobot for Real-Time Monitoring Cytochrome c Release and Cell Acidification in Apoptosis during Electrostimulation. <i>Analytical Chemistry</i> , 2019, 91, 1408-1415.	3.2	48
24	Efficient Electrogenerated Chemiluminescence of Tris(2,2'-bipyridine)ruthenium(II) with <i>N</i> -Hydroxysulfosuccinimide as a Coreactant for Selective and Sensitive Detection of <i>l</i> -Proline and Mercury(II). <i>Analytical Chemistry</i> , 2019, 91, 12517-12524.	3.2	47
25	Diffusion-Limited, Aggregation-Based, Mesoscopic Assembly of Roughened Core-Shell Bimetallic Nanoparticles into Fractal Networks at the Air-Water Interface. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1040-1044.	7.2	46
26	Two-Dimensional-Plasmon-Boosted Iron Single-Atom Electrochemiluminescence for the Ultrasensitive Detection of Dopamine, Hemin, and Mercury. <i>Analytical Chemistry</i> , 2021, 93, 9949-9957.	3.2	42
27	PVP-coated gold nanoparticles for the selective determination of ochratoxin A via quenching fluorescence of the free aptamer. <i>Food Chemistry</i> , 2018, 249, 45-50.	4.2	41
28	Effect of hydroxyl and amino groups on electrochemiluminescence activity of tertiary amines at low tris(2,2'-bipyridyl)ruthenium(II) concentrations. <i>Talanta</i> , 2010, 81, 44-47.	2.9	40
29	Glutathione Content Detection of Single Cells under Ingested Doxorubicin by Functionalized Glass Nanopores. <i>Analytical Chemistry</i> , 2021, 93, 4240-4245.	3.2	40
30	Single-cell ATP detection and content analyses in electrostimulus-induced apoptosis using functionalized glass nanopipettes. <i>Chemical Communications</i> , 2020, 56, 1561-1564.	2.2	38
31	Smart Plasmonic Glucose Nanosensors as Generic Theranostic Agents for Targeting-Free Cancer Cell Screening and Killing. <i>Analytical Chemistry</i> , 2015, 87, 6868-6874.	3.2	37
32	Plasmonic SERS Au Nanosunflowers for Sensitive and Label-Free Diagnosis of DNA Base Damage in Stimulus-Induced Cell Apoptosis. <i>Analytical Chemistry</i> , 2020, 92, 11755-11762.	3.2	37
33	Adaption of a Solid-State Nanopore to Homogeneous DNA Organization Verification and Label-Free Molecular Analysis without Covalent Modification. <i>Analytical Chemistry</i> , 2018, 90, 814-820.	3.2	36
34	Bifunctional plasmonic colloidosome/graphene oxide-based floating membranes for recyclable high-efficiency solar-driven clean water generation. <i>Nano Research</i> , 2018, 11, 3854-3863.	5.8	35
35	Plasmon-enhanced quantum dots electrochemiluminescence aptasensor for selective and sensitive detection of cardiac troponin I. <i>Talanta</i> , 2021, 221, 121674.	2.9	34
36	Controllable Shrinking of Glass Capillary Nanopores Down to sub-10 nm by Wet-Chemical Silanization for Signal-Enhanced DNA Translocation. <i>ACS Sensors</i> , 2017, 2, 1452-1457.	4.0	31

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37	Nanoengineered Metasurface Immunosensor with over 1000-Fold Electrochemiluminescence Enhancement for Ultra-sensitive Bioassay. <i>IScience</i> , 2019, 17, 267-276.	1.9	31
38	Tumor Microenvironment-Activated Degradable Multifunctional Nanoreactor for Synergistic Cancer Therapy and Glucose SERS Feedback. <i>IScience</i> , 2020, 23, 101274.	1.9	30
39	Living-Cell Imaging of Mitochondrial Membrane Potential Oscillation and Phenylalanine Metabolism Modulation during Periodic Electrostimulus. <i>Analytical Chemistry</i> , 2019, 91, 9571-9579.	3.2	29
40	Single glass nanopore-based regenerable sensing platforms with a non-immobilized polyglutamic acid probe for selective detection of cupric ions. <i>Analytica Chimica Acta</i> , 2015, 889, 98-105.	2.6	28
41	Smart Plasmonic Nanozyme Enhances Combined Chemo-photothermal Cancer Therapy and Reveals Tryptophan Metabolic Apoptotic Pathway. <i>Analytical Chemistry</i> , 2019, 91, 12203-12211.	3.2	28
42	Fast Activation and Tracing of Caspase-3 Involved Cell Apoptosis by Combined Electrostimulation and Smart Signal-Amplified SERS Nanoprobes. <i>Analytical Chemistry</i> , 2020, 92, 7861-7868.	3.2	28
43	Plasmonics Yields Efficient Electron Transport via Assembly of Shell-Insulated Au Nanoparticles. <i>IScience</i> , 2018, 8, 213-221.	1.9	27
44	Lucigenin-Tris(2-carboxyethyl)phosphine Chemiluminescence for Selective and Sensitive Detection of TCEP, Superoxide Dismutase, Mercury(II), and Dopamine. <i>Analytical Chemistry</i> , 2019, 91, 3070-3077.	3.2	27
45	Quasi-Photonic Crystal Light-Scattering Signal Amplification of SiO ₂ -Nanomembrane for Ultrasensitive Electrochemiluminescence Detection of Cardiac Troponin I. <i>Analytical Chemistry</i> , 2020, 92, 845-852.	3.2	26
46	Controllable Fabrication of Transparent Macroporous Graphene Thin Films and Versatile Applications as a Conducting Platform. <i>Advanced Functional Materials</i> , 2015, 25, 4334-4343.	7.8	25
47	Plasmon-driven water splitting enhancement on plasmonic metal-insulator-semiconductor hetero-nanostructures: unraveling the crucial role of interfacial engineering. <i>Nanoscale</i> , 2018, 10, 14290-14297.	2.8	25
48	A green, efficient and precise hydrogen therapy of cancer based on <i>in vivo</i> electrochemistry. <i>National Science Review</i> , 2020, 7, 660-670.	4.6	25
49	Light Scattering and Luminophore Enrichment-Enhanced Electrochemiluminescence by a 2D Porous Ru@SiO ₂ Nanoparticle Membrane and Its Application in Ultrasensitive Detection of Prostate-Specific Antigen. <i>Analytical Chemistry</i> , 2021, 93, 11641-11647.	3.2	25
50	Plasmon-Boosted Cu-Doped TiO ₂ Oxygen Vacancy-Rich Luminol Electrochemiluminescence for Highly Sensitive Detection of Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2021, 93, 15183-15191.	3.2	25
51	Robust Core-Shell Supramolecular Assemblies Based on Cationic Vesicles and Ring-Shaped{Mo154} Polyoxomolybdate Nanoclusters: Template-Directed Synthesis and Characterizations. <i>Chemistry - A European Journal</i> , 2004, 10, 3225-3231.	1.7	24
52	Self-supporting MOF-derived CoNi@Au/TiO ₂ nanotube array Z-scheme heterocatalysts for plasmon-enhanced high-efficiency full water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19704-19708.	5.2	23
53	Plasmon-Enhanced Nitrogen Vacancy-Rich Carbon Nitride Electrochemiluminescence Aptasensor for Highly Sensitive Detection of miRNA. <i>Analytical Chemistry</i> , 2022, 94, 1406-1414.	3.2	23
54	High-Entropy Oxide for Highly Efficient Luminol-Dissolved Oxygen Electrochemiluminescence and Biosensing Applications. <i>Analytical Chemistry</i> , 2022, 94, 2958-2965.	3.2	22

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55	Glucose level determination in single cells in their satiety and starvation states using an enzymatic functional glass nanopore. <i>Chemical Communications</i> , 2020, 56, 5393-5396.	2.2	21
56	Label-Free Single-Particle Surface-Enhanced Raman Spectroscopy Detection of Phosphatidylserine Externalization on Cell Membranes with Multifunctional Micron-Nano Composite Probes. <i>Analytical Chemistry</i> , 2021, 93, 2183-2190.	3.2	21
57	Determination of isocyanates by capillary electrophoresis with tris(2,2'-bipyridine)ruthenium(II) electrochemiluminescence. <i>Electrophoresis</i> , 2009, 30, 3926-3931.	1.3	20
58	Recent advances in nanomaterial-based capillary electrophoresis. <i>Electrophoresis</i> , 2019, 40, 2050-2057.	1.3	20
59	Gold nanoparticle-based signal amplified electrochemiluminescence for biosensing applications. <i>Talanta</i> , 2022, 248, 123611.	2.9	18
60	Shell-isolated Plasmonic Nanostructures for Biosensing, Catalysis, and Advanced Nanoelectronics. <i>Advanced Functional Materials</i> , 2021, 31, 2008031.	7.8	17
61	Fabrication of Au(111) single-crystal nanoisland-arrayed electrode ensembles by template-directed seeding growth Electronic supplementary information (ESI) available: cyclic voltammograms. See http://www.rsc.org/suppdata/cc/b2/b204231m/ . <i>Chemical Communications</i> , 2002, , 1780-1781.	2.2	16
62	Oriented bacteriorhodopsin/polyaniline hybrid bio-nanofilms as photo-assisted electrodes for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8268-8272.	5.2	16
63	Magic-sized CdSe nanoclusters for efficient visible-light-driven hydrogen evolution. <i>Nano Research</i> , 2022, 15, 3106-3113.	5.8	16
64	Free-Standing Monolayered Metallic Nanoparticle Networks as Building Blocks for Plasmonic Nanoelectronic Junctions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1594-1599.	4.0	14
65	Enzymatic Preparation of Plasmonic-Fluorescent Quantum Dot-Gold Hybrid Nanoprobes for Sensitive Detection of Glucose and Alkaline Phosphatase and Dual-Modality Cell Imaging. <i>Analytical Chemistry</i> , 2019, 91, 14074-14079.	3.2	14
66	Molecular Profiling of Dental Pulp Stem Cells during Cell Differentiation by Surface Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 3735-3741.	3.2	14
67	CEC with tris(2,2'-bipyridyl) ruthenium(II) electrochemiluminescent detection. <i>Electrophoresis</i> , 2008, 29, 4475-4481.	1.3	13
68	Pd/Ag nanosheet as a plasmonic sensing platform for sensitive assessment of hydrogen evolution reaction in colloid solutions. <i>Nano Research</i> , 2018, 11, 2093-2103.	5.8	13
69	Resistive-Pulse Sensing and Surface Charge Analysis of a Single Nanoparticle Collision at a Conical Glass Nanopore. <i>Analytical Chemistry</i> , 2019, 91, 7648-7653.	3.2	13
70	Short-chain oligonucleotide detection by glass nanopore using targeting-induced DNA tetrahedron deformation as signal amplifier. <i>Analytica Chimica Acta</i> , 2019, 1063, 57-63.	2.6	12
71	High-efficiency cathodic electrochemiluminescence of the tris(2,2'-bipyridine)ruthenium(<i>ii</i>)-hydroxy compound system and its use for sensitive turn-on-detection of mercury(<i>ii</i>) and methyl blue. <i>Chemical Communications</i> , 2020, 56, 1827-1830.	2.2	12
72	Single-Molecule Translocation Conformational Sensing of Multiarm DNA Concatemers Using Glass Capillary Nanopore. <i>ACS Sensors</i> , 2019, 4, 3119-3123.	4.0	11

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73	Programmable Organic-Free Negative Differential Resistance Memristor Based on Plasmonic Tunnel Junction. <i>Small</i> , 2020, 16, e2002727.	5.2	11
74	Single-Cell Adenosine Triphosphate Content Monitoring during Hyperthermia Cell Death by Using Plasmonic Fluorescent Nanoflare. <i>Analytical Chemistry</i> , 2020, 92, 3882-3887.	3.2	10
75	Determination of Total Calcium in Plasma by Flow Injection Analysis with Tris(2,2'-bipyridyl)ruthenium(II) Electrochemiluminescent Detection. <i>Electroanalysis</i> , 2006, 18, 1584-1589.	1.5	9
76	Unprecedented efficient electron transport across Au nanoparticles with up to 25-nm insulating SiO ₂ -shells. <i>Scientific Reports</i> , 2019, 9, 18336.	1.6	9
77	Thermoplasmonic Regulation of the Mitochondrial Metabolic State for Promoting Directed Differentiation of Dental Pulp Stem Cells. <i>Analytical Chemistry</i> , 2022, 94, 9564-9571.	3.2	9
78	Electrochemiluminescence of tris(2,2'-bipyridyl)ruthenium(ii)/pyruvate system in the absence of cerium(iii). <i>Analytical Methods</i> , 2010, 2, 479.	1.3	8
79	Photoactivated Bacteriorhodopsin/SiN Nanopore-Based Biological Nanofluidic Generator with Single-Protein Sensitivity. <i>ACS Nano</i> , 2022, 16, 1589-1599.	7.3	7
80	Fabrication and Characterization of DNA/QPVP-Os Redox-Active Multilayer Film. <i>Electroanalysis</i> , 2004, 16, 1931-1937.	1.5	6
81	Smart Tumor Microenvironment-Responsive Nano-Prodrug for Disulfiram Toxicification In Situ and the Exploration of Lethal Mechanisms in Cells. <i>Langmuir</i> , 2022, 38, 584-592.	1.6	6
82	Electrochemiluminescence of Ru(bpy) ₃ ²⁺ /thioacetamide and its application for the sensitive determination of hepatotoxic thioacetamide. <i>Analyst</i> , The, 2021, 146, 5198-5203.	1.7	5
83	Size-dependent aggregates of gold nanoparticles induced by a macro-molecular fork. <i>New Journal of Chemistry</i> , 2005, 29, 1004.	1.4	4
84	Enhancing Photothermal Effect and Stability of Plasmonic Pd/Ag Nanosheet by Nanoassembly for Efficient Light-Driven Catalytic Organic Hydrogenation. <i>ChemistrySelect</i> , 2019, 4, 13173-13181.	0.7	4
85	Optoplasmonic Modulation of Cell Metabolic State Promotes Rapid Cell Differentiation. <i>Analytical Chemistry</i> , 2022, 94, 8354-8364.	3.2	4
86	Controlled Decoration of Divalent Nickel onto CdS/CdSe Core/Shell Quantum Dots to Boost Visible-Light-Induced Hydrogen Generation in Water. <i>ChemPlusChem</i> , 2018, 83, 1088-1096.	1.3	3
87	Plasmonic Tunnel Diode and Photodetector based on Layer-Stacked AuNP-Nanomembrane/p-Si Heterojunction. <i>Advanced Electronic Materials</i> , 0, , 2101251.	2.6	3
88	Wet-Chemical Electro-Plasmonic Modulation of Metasurfaced Cell-Electrode Interfaces for Effective and Selective Entropic Killing of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 13624-13631.	3.2	2
89	Label-Free Analysis of Cell Membrane Proteins via Evanescent Field Excited Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10720-10727.	2.1	2