Lixin Xia

List of Publications by Year in descending order

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84 papers	1,393 citations	394421 19 h-index	377865 34 g-index
84 all docs	84 docs citations	84 times ranked	1944 citing authors

#	Article	IF	Citations
1	The pH-Controlled Plasmon-Assisted Surface Photocatalysis Reaction of 4-Aminothiophenol top,pâ€²-Dimercaptoazobenzene on Au, Ag, and Cu Colloids. Journal of Physical Chemistry C, 2011, 115, 9629-9636.	3.1	149
2	Is 4â€nitrobenzenethiol converted to p,pâ€²â€dimercaptoazobenzene or 4â€aminothiophenol by surface photochemistry reaction?. Journal of Raman Spectroscopy, 2011, 42, 1205-1206.	2.5	119
3	Visualized method of chemical enhancement mechanism on SERS and TERS. Journal of Raman Spectroscopy, 2014, 45, 533-540.	2.5	107
4	MXeneâ€Supported FeCoâ€LDHs as Highly Efficient Catalysts for Enhanced Electrocatalytic Oxygen Evolution Reaction. ChemNanoMat, 2020, 6, 154-159.	2.8	57
5	Molecular cobalt salophen catalyst-integrated BiVO₄ as stable and robust photoanodes for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2018, 6, 10761-10768.	10.3	54
6	Stereoconvergent, Redoxâ€Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie - International Edition, 2019, 58, 14082-14088.	13.8	52
7	Catalytic Emulsion Based on Janus Nanosheets for Ultraâ€Deep Desulfurization. Chemistry - A European Journal, 2017, 23, 1920-1929.	3.3	41
8	The excited-state multiple proton transfer mechanism of the 7-hydroxyquinolineâ€“(CH₃OH)₃cluster. New Journal of Chemistry, 2015, 39, 9910-9917.	2.8	38
9	High-Efficient Oxidationâ€“Extraction Desulfurization Process by Ionic Liquid 1-Butyl-3-methyl-imidazolium Trifluoroacetic Acid. Energy & Fuels, 2014, 28, 6677-6682.	5.1	37
10	Boosting Photoelectrochemical Water Oxidation with Cobalt Phosphide Nanosheets on Porous BiVO₄. ACS Sustainable Chemistry and Engineering, 2019, 7, 769-778.	6.7	36
11	Templated high-yield synthesis of Pt nanorods enclosed by high-index {311} facets for methanol selective oxidation. Journal of Materials Chemistry A, 2013, 1, 7316.	10.3	32
12	PdZn alloy nanoparticles encapsulated within a few layers of graphene for efficient semi-hydrogenation of acetylene. Chemical Communications, 2019, 55, 14693-14696.	4.1	27
13	Microwave-assisted synthesis of sensitive silver substrate for surface-enhanced Raman scattering spectroscopy. Journal of Chemical Physics, 2008, 129, 134703.	3.0	26
14	Examples in the detection of heavy metal ions based on surface-enhanced Raman scattering spectroscopy. Nanophotonics, 2021, 10, 4419-4445.	6.0	26
15	ESIPT Fluorescence Probe Based on Double-Switch Recognition Mechanism for Selective and Rapid Detection of Hydrogen Sulfide in Living Cells. ACS Omega, 2019, 4, 9113-9119.	3.5	25
16	Gold(<scp>i</scp>)- and rhodium(<scp>iii</scp>)-catalyzed formal regiodivergent Câ€“H alkynylation of 1-arylpyrazolones. Organic and Biomolecular Chemistry, 2018, 16, 2860-2864.	2.8	24
17	Immobilization of a molecular cobalt cubane catalyst on porous BiVO₄via electrochemical polymerization for efficient and stable photoelectrochemical water oxidation. Chemical Communications, 2019, 55, 1414-1417.	4.1	23
18	Enhanced Interfacial Charge Transfer on a Tungsten Trioxide Photoanode with Immobilized Molecular Iridium Catalyst. ChemSusChem, 2017, 10, 3268-3275.	6.8	22

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19	Stereoconvergent, Redoxâ€Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie, 2019, 131, 14220-14226.	2.0	22
20	An ultrasensitive surface-enhanced Raman scattering sensor for the detection of hydrazine via the Schiff base reaction. Journal of Hazardous Materials, 2022, 424, 127303.	12.4	22
21	Direct electrochemistry of cholesterol oxidase and biosensing of cholesterol based on PSS/polymeric ionic liquidâ€“graphene nanocomposite. RSC Advances, 2016, 6, 59487-59496.	3.6	19
22	Meso-Cellular Silicate Foam-Modified Reduced Graphene Oxide with a Sandwich Structure for Enzymatic Immobilization and Bioelectrocatalysis. ACS Applied Materials & Interfaces, 2019, 11, 29522-29535.	8.0	19
23	Fine-regulating ultramicropores in porous carbonviaa self-sacrificial template route for high-performance supercapacitors. Nanoscale, 2021, 13, 1961-1969.	5.6	19
24	Temperatureâ€Responsive Electrocatalysis Based on Poly(Nâ€isopropylacrylamide)â€Modified Graphene Oxide (PNIPAmâ€GO). Chemistry - A European Journal, 2019, 25, 1535-1542.	3.3	18
25	Efficient photoelectrochemical water oxidation using a TiO₂ nanosphere-decorated BiVO₄ heterojunction photoanode. RSC Advances, 2018, 8, 41439-41444.	3.6	17
26	Iridium-catalyzed diastereoselective amination of alcohols with chiral tert-butanesulfinamide by the use of a borrowing hydrogen methodology. Organic and Biomolecular Chemistry, 2019, 17, 7651-7654.	2.8	16
27	In-situ generation of g-C3N4 on BiVO4 photoanode for highly efficient photoelectrochemical water oxidation. Applied Surface Science, 2020, 523, 146441.	6.1	15
28	Microwave-Assisted Chemical Demulsification of Water-in-Crude-Oil Emulsions. Journal of Dispersion Science and Technology, 2010, 31, 1574-1578.	2.4	14
29	A new strategy for effective distance regulation of the surface plasmon assisted coupling reaction of p-nitrothiophenol to p,pâ€²-dimercaptoazobenzene. Chemical Communications, 2017, 53, 9582-9585.	4.1	14
30	Constructing â€œbreathingâ€•dynamic skeletons with extra Ï€-conjugated adsorption sites for iodine capture. RSC Advances, 2019, 9, 20852-20856.	3.6	14
31	Facile synthesis of micronâ€sized hollow copper spheres with ZSMâ€5 molecular sieve as a template. Journal of Raman Spectroscopy, 2009, 40, 876-880.	2.5	12
32	A carbonized porous aromatic framework to achieve customized nitrogen atoms for enhanced supercapacitor performance. New Journal of Chemistry, 2019, 43, 18158-18164.	2.8	12
33	Efficient charge separation and transfer of a TaON/BiVO₄ heterojunction for photoelectrochemical water splitting. RSC Advances, 2021, 11, 13269-13273.	3.6	12
34	Solvent-controlled plasmon-assisted surface catalysis reaction of 4-aminothiophenol dimerizing to p,p'-dimercaptoazobenzene on Ag nanoparticles. Heliyon, 2019, 5, e01545.	3.2	11
35	Pyrene-Based Fluorescent Porous Organic Polymers for Recognition and Detection of Pesticides. Molecules, 2022, 27, 126.	3.8	11
36	Adjustment and control of SERS activity of metal substrates by pressure. Journal of Raman Spectroscopy, 2010, 41, 398-405.	2.5	10

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37	Immobilising a cobalt cubane catalyst on a dye-sensitised TiO2 photoanode via electrochemical polymerisation for light-driven water oxidation. RSC Advances, 2017, 7, 4102-4107.	3.6	10
38	Construction of light-harvesting system for enhanced catalytic performance of Pd nanoframes toward Suzuki coupling reaction. Journal of Materials Chemistry A, 2017, 5, 10150-10153.	10.3	10
39	Effect of Intermolecular Distance on Surface-Plasmon-Assisted Catalysis. Langmuir, 2018, 34, 7240-7247.	3.5	10
40	In-Situ Synthesis of Methyl Cellulose Film Decorated with Silver Nanoparticles as a Flexible Surface-Enhanced Raman Substrate for the Rapid Detection of Pesticide Residues in Fruits and Vegetables. Materials, 2021, 14, 5750.	2.9	10
41	Sources of ambient non-methane hydrocarbon compounds and their impacts on O3 formation during autumn, Beijing. Journal of Environmental Sciences, 2022, 114, 85-97.	6.1	10
42	A sensitive surface-enhanced resonance Raman scattering sensor with bifunctional negatively charged gold nanoparticles for the determination of Cr(VI). Science of the Total Environment, 2022, 830, 154598.	8.0	10
43	Ionic liquid based polymeric liposomes: A stable and biocompatible soft platform for bioelectrochemistry. Bioelectrochemistry, 2016, 111, 41-48.	4.6	9
44	A biocompatible cerasome based platform for direct electrochemistry of cholesterol oxidase and cholesterol sensing. RSC Advances, 2016, 6, 70781-70790.	3.6	9
45	Detailed theoretical investigation of excited-state intramolecular proton transfer mechanism of a new chromophore II. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 130-134.	3.9	9
46	Steam treatment: a facile and effective process for the removal of PVP from shape-controlled palladium nanoparticles. Nanoscale, 2018, 10, 11992-11996.	5.6	9
47	Visualizations of charge transfer for the model of poly(3,4-alkylenedioxythiophene)s in neutral and various oxidation states. RSC Advances, 2012, 2, 12983.	3.6	8
48	Highly efficient and selective hydrogenation of chloronitrobenzenes to chloroanilines by H₂ over confined silver nanoparticles. RSC Advances, 2016, 6, 31871-31875.	3.6	8
49	Surface plasmonâ€“catalyzed oxidation of 4-aminodiphenyl disulfide for determination of Ag+ ion in aqueous samples. Mikrochimica Acta, 2020, 187, 462.	5.0	8
50	A P/N type silicon semiconductor loaded with silver nanoparticles used as a SERS substrate to selectively drive the coupling reaction induced by surface plasmons. Nanoscale Advances, 2020, 2, 3460-3466.	4.6	8
51	Selective reduction of nitroaromatic compounds on silver nanoparticles by visible light. Journal of Raman Spectroscopy, 2012, 43, 1024-1028.	2.5	7
52	Spectral proof for the 4-aminophenyl disulfide plasma assisted catalytic reaction. Scientific Reports, 2017, 7, 4358.	3.3	7
53	A Carbazole-Functionalized Porous Aromatic Framework for Enhancing Volatile Iodine Capture via Lewis Electron Pairing. Molecules, 2021, 26, 5263.	3.8	7
54	New Insight into the Synthesis of Aromatic Azo Compounds Assisted by Surface Plasmon Resonance. Plasmonics, 2017, 12, 611-620.	3.4	6

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55	Agâ€“ZnO Nanocomposites Are Used for SERS Substrates and Promote the Coupling Reaction of PATP. Materials, 2021, 14, 922.	2.9	6
56	Remote Excited Raman Optical Activity of Adenine Along Ag Plasmonic Waveguide. Plasmonics, 2014, 9, 673-676.	3.4	5
57	Regulate the coupling reaction of 4â€²nitrothiophenol to 4,4â€²â€²dimercaptoazobenzene by organic alkali. Journal of Raman Spectroscopy, 2018, 49, 1395-1401.	2.5	4
58	Effect of Reaction Conditions on the Characterization of Plasmon-Driven Surface Catalytic Reduction Reaction for Para-nitroaniline in a Liquid Condition. Plasmonics, 2020, 15, 31-37.	3.4	4
59	Conversion of PATP to DMAB based on Ag⁺â€induced catalytic oxidation. Journal of Raman Spectroscopy, 2020, 51, 838-843.	2.5	4
60	Interfacial behavior of phase transfer catalysis of the reaction between potassium thiocyanate and p-nitrobenzyl bromide with crown ethers as catalysts. Kinetics and Catalysis, 2010, 51, 69-74.	1.0	3
61	Distance-regulating surface plasmon catalyzed coupling reaction of p-nitrophenyl disulfide. RSC Advances, 2018, 8, 35646-35650.	3.6	3
62	Isomerization ofp,pâ€²-Diiodoazobenzene Controlled by the Surface Plasmon-Assisted Reaction. ACS Omega, 2019, 4, 7076-7081.	3.5	3
63	Sulfite-triggered surface plasmon-catalyzed reduction of p-nitrothiophenol to p,pâ€²-dimercaptoazobenzene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 264, 120282.	3.9	3
64	Porous Au/Î³-AlOOH Nanoflowers for Surface-Enhanced Raman Scattering Detection of Aromatic Acid Compounds. ACS Applied Nano Materials, 2022, 5, 852-861.	5.0	3
65	Bioâ€inspired Fabrication of Porous Aromatic Frameworkâ€Coated Fabric for Achieving Durable Superhydrophobic Applications. Advanced Materials Interfaces, 0, , 2101994.	3.7	3
66	Facile Synthesis of Micron-Sized Hollow Silver Spheres as Substrates for Surface-Enhanced Raman Scattering. International Journal of Photoenergy, 2014, 2014, 1-7.	2.5	2
67	Unusual Raman spectra of para-nitroaniline by sequential Fermi resonances. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 616-620.	3.9	2
68	Charge Distribution Dependent Spectral Analysis of the Oxidized Diferrocenyl-Oligothienylene-Vinylene Molecular Wires. Scientific Reports, 2016, 6, 35726.	3.3	2
69	Plasmon-driven surface catalytic reaction of 4-ethynylaniline in a liquid environment. RSC Advances, 2018, 8, 20499-20504.	3.6	2
70	Surface Plasmon-Induced Hot Electrons as the Racemate to Regulate Ionization. Journal of Physical Chemistry C, 2021, 125, 757-764.	3.1	2
71	Ionic liquid-based liposome for selective SERS detection. RSC Advances, 2021, 11, 37443-37448.	3.6	2
72	Synthesis of a 3D Ag-Decorated Chitosan Film As a Simple and Stable Flexible SERS Substrate for the Detection of Pesticides in Food. ACS Agricultural Science and Technology, 2022, 2, 323-329.	2.3	2

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73	AgNPs Functionalized with Dithizone for the Detection of Hg2+ Based on Surface-enhanced Raman Scattering Spectroscopy. Plasmonics, 0, , 1.	3.4	2
74	Directed Calcium Chloride Coalescence Method for Preparation of Silver Nanocubes. Applied Spectroscopy, 2010, 64, 867-870.	2.2	1
75	Synthesis of hollow polypyrrole-platinum complex spheres and their successful application as a catalyst for decomposition of hydrogen peroxide. Kinetics and Catalysis, 2011, 52, 716-722.	1.0	1
76	Preparation of High SERS-Active Silver Films in an Aqueous Solution of Room Temperature Ionic Liquids. Integrated Ferroelectrics, 2012, 135, 62-70.	0.7	1
77	One-Step Synthesis of Gold Nanoparticles Using Liquid Crystal Molecules for Surface-Enhanced Raman Scattering Detection. Plasmonics, 2020, 15, 1675-1681.	3.4	1
78	The Efficient Ionization Reaction of DTBA Achieved by Surface Plasmon Catalysis Effect. Plasmonics, 2020, 15, 1525-1532.	3.4	1
79	Dualâ€spectroscopic realâ€time monitoring of the reduction reaction between aristolochic acid I and Fe 2+ and its bioâ€application. Journal of Physical Organic Chemistry, 2021, 34, e4194.	1.9	1
80	Thermally responsive reduced graphene oxide with electroactive functionality for controllable electroanalysis. Talanta, 2021, 231, 122368.	5.5	1
81	Dimensionality Control of 1D Coupling Reaction for the Facile Preparation of Porous Carbon Nanofibers. Inorganic Chemistry, 2021, 60, 18058-18064.	4.0	1
82	Novel Clarification of Surface Plasmon Coupling Reactions of Aromatic Alkynamine and Nitro Compounds. ACS Omega, 2022, 7, 1165-1172.	3.5	1
83	Frontispiece: Stereoconvergent, Redoxâ€Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie - International Edition, 2019, 58, .	13.8	0
84	Frontispiz: Stereoconvergent, Redoxâ€Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie, 2019, 131, .	2.0	0