

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
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84
all docs

84
docs citations

84
times ranked

1944
citing authors

#	ARTICLE	IF	CITATIONS
1	An ultrasensitive surface-enhanced Raman scattering sensor for the detection of hydrazine via the Schiff base reaction. <i>Journal of Hazardous Materials</i> , 2022, 424, 127303.	12.4	22
2	Sulfite-triggered surface plasmon-catalyzed reduction of p-nitrothiophenol to p,p'-dimercaptoazobenzene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120282.	3.9	3
3	Sources of ambient non-methane hydrocarbon compounds and their impacts on O ₃ formation during autumn, Beijing. <i>Journal of Environmental Sciences</i> , 2022, 114, 85-97.	6.1	10
4	Porous Au/β-AlOOH Nanoflowers for Surface-Enhanced Raman Scattering Detection of Aromatic Acid Compounds. <i>ACS Applied Nano Materials</i> , 2022, 5, 852-861.	5.0	3
5	Synthesis of a 3D Ag-Decorated Chitosan Film As a Simple and Stable Flexible SERS Substrate for the Detection of Pesticides in Food. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 323-329.	2.3	2
6	A sensitive surface-enhanced resonance Raman scattering sensor with bifunctional negatively charged gold nanoparticles for the determination of Cr(VI). <i>Science of the Total Environment</i> , 2022, 830, 154598.	8.0	10
7	Pyrene-Based Fluorescent Porous Organic Polymers for Recognition and Detection of Pesticides. <i>Molecules</i> , 2022, 27, 126.	3.8	11
8	Novel Clarification of Surface Plasmon Coupling Reactions of Aromatic Alkynamine and Nitro Compounds. <i>ACS Omega</i> , 2022, 7, 1165-1172.	3.5	1
9	Fine-regulating ultramicropores in porous carbon via a self-sacrificial template route for high-performance supercapacitors. <i>Nanoscale</i> , 2021, 13, 1961-1969.	5.6	19
10	Efficient charge separation and transfer of a TaON/BiVO ₄ heterojunction for photoelectrochemical water splitting. <i>RSC Advances</i> , 2021, 11, 13269-13273.	3.6	12
11	Ag-ZnO Nanocomposites Are Used for SERS Substrates and Promote the Coupling Reaction of PATP. <i>Materials</i> , 2021, 14, 922.	2.9	6
12	Dual-wavelength spectroscopic real-time monitoring of the reduction reaction between aristolochic acid I and Fe ²⁺ and its bioapplication. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4194.	1.9	1
13	A Carbazole-Functionalized Porous Aromatic Framework for Enhancing Volatile Iodine Capture via Lewis Electron Pairing. <i>Molecules</i> , 2021, 26, 5263.	3.8	7
14	Thermally responsive reduced graphene oxide with electroactive functionality for controllable electroanalysis. <i>Talanta</i> , 2021, 231, 122368.	5.5	1
15	Surface Plasmon-Induced Hot Electrons as the Racemate to Regulate Ionization. <i>Journal of Physical Chemistry C</i> , 2021, 125, 757-764.	3.1	2
16	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. <i>Materials</i> , 2021, 14, 5750.	2.9	10
17	Examples in the detection of heavy metal ions based on surface-enhanced Raman scattering spectroscopy. <i>Nanophotonics</i> , 2021, 10, 4419-4445.	6.0	26
18	Dimensionality Control of 1D Coupling Reaction for the Facile Preparation of Porous Carbon Nanofibers. <i>Inorganic Chemistry</i> , 2021, 60, 18058-18064.	4.0	1

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19	Ionic liquid-based liposome for selective SERS detection. RSC Advances, 2021, 11, 37443-37448.	3.6	2
20	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
21	MXene-Supported FeCo-LDHs as Highly Efficient Catalysts for Enhanced Electrocatalytic Oxygen Evolution Reaction. ChemNanoMat, 2020, 6, 154-159.	2.8	57
22	Surface plasmon-catalyzed oxidation of 4-aminodiphenyl disulfide for determination of Ag ⁺ ion in aqueous samples. Mikrochimica Acta, 2020, 187, 462.	5.0	8
23	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
24	One-Step Synthesis of Gold Nanoparticles Using Liquid Crystal Molecules for Surface-Enhanced Raman Scattering Detection. Plasmonics, 2020, 15, 1675-1681.	3.4	1
25	Conversion of PATP to DMAB based on Ag ⁺ -induced catalytic oxidation. Journal of Raman Spectroscopy, 2020, 51, 838-843.	2.5	4
26	The Efficient Ionization Reaction of DTBA Achieved by Surface Plasmon Catalysis Effect. Plasmonics, 2020, 15, 1525-1532.	3.4	1
27	In-situ generation of g-C ₃ N ₄ on BiVO ₄ photoanode for highly efficient photoelectrochemical water oxidation. Applied Surface Science, 2020, 523, 146441.	6.1	15
28	Iridium-catalyzed diastereoselective amination of alcohols with chiral <i>tert</i> -butanesulfinamide by the use of a borrowing hydrogen methodology. Organic and Biomolecular Chemistry, 2019, 17, 7651-7654.	2.8	16
29	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
30	Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie - International Edition, 2019, 58, 14082-14088.	13.8	52
31	Constructing "breathing"-dynamic skeletons with extra π -conjugated adsorption sites for iodine capture. RSC Advances, 2019, 9, 20852-20856.	3.6	14
32	Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie, 2019, 131, 14220-14226.	2.0	22
33	Frontispiece: Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. Angewandte Chemie - International Edition, 2019, 58, .	13.8	0
34	Immobilization of a molecular cobalt cubane catalyst on porous BiVO ₄ via electrochemical polymerization for efficient and stable photoelectrochemical water oxidation. Chemical Communications, 2019, 55, 1414-1417.	4.1	23
35	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
36	Isomerization of <i>p</i> , <i>p'</i> -Diiodoazobenzene Controlled by the Surface Plasmon-Assisted Reaction. ACS Omega, 2019, 4, 7076-7081.	3.5	3

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37	Solvent-controlled plasmon-assisted surface catalysis reaction of 4-aminothiophenol dimerizing to p,p'-dimercaptoazobenzene on Ag nanoparticles. <i>Heliyon</i> , 2019, 5, e01545.	3.2	11
38	Frontispiz: Stereoconvergent, Redox-Neutral Access to Tetrahydroquinoxalines through Relay Epoxide Opening/Amination of Alcohols. <i>Angewandte Chemie</i> , 2019, 131, .	2.0	0
39	PdZn alloy nanoparticles encapsulated within a few layers of graphene for efficient semi-hydrogenation of acetylene. <i>Chemical Communications</i> , 2019, 55, 14693-14696.	4.1	27
40	A carbonized porous aromatic framework to achieve customized nitrogen atoms for enhanced supercapacitor performance. <i>New Journal of Chemistry</i> , 2019, 43, 18158-18164.	2.8	12
41	Temperature-Responsive Electrocatalysis Based on Poly(<i>N</i> -isopropylacrylamide)-Modified Graphene Oxide (PNIPAM-GO). <i>Chemistry - A European Journal</i> , 2019, 25, 1535-1542.	3.3	18
42	Boosting Photoelectrochemical Water Oxidation with Cobalt Phosphide Nanosheets on Porous BiVO ₄ . <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 769-778.	6.7	36
43	Gold- and rhodium-catalyzed formal regiodivergent C-H alkynylation of 1-arylpyrazolones. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2860-2864.	2.8	24
44	Molecular cobalt salophen catalyst-integrated BiVO ₄ as stable and robust photoanodes for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10761-10768.	10.3	54
45	Distance-regulating surface plasmon catalyzed coupling reaction of <i>p</i> -nitrophenyl disulfide. <i>RSC Advances</i> , 2018, 8, 35646-35650.	3.6	3
46	Efficient photoelectrochemical water oxidation using a TiO ₂ nanosphere-decorated BiVO ₄ heterojunction photoanode. <i>RSC Advances</i> , 2018, 8, 41439-41444.	3.6	17
47	Steam treatment: a facile and effective process for the removal of PVP from shape-controlled palladium nanoparticles. <i>Nanoscale</i> , 2018, 10, 11992-11996.	5.6	9
48	Plasmon-driven surface catalytic reaction of 4-ethynylaniline in a liquid environment. <i>RSC Advances</i> , 2018, 8, 20499-20504.	3.6	2
49	Effect of Intermolecular Distance on Surface-Plasmon-Assisted Catalysis. <i>Langmuir</i> , 2018, 34, 7240-7247.	3.5	10
50	Regulate the coupling reaction of 4-nitrothiophenol to 4,4'-dimercaptoazobenzene by organic alkali. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1395-1401.	2.5	4
51	New Insight into the Synthesis of Aromatic Azo Compounds Assisted by Surface Plasmon Resonance. <i>Plasmonics</i> , 2017, 12, 611-620.	3.4	6
52	Immobilising a cobalt cubane catalyst on a dye-sensitised TiO ₂ photoanode via electrochemical polymerisation for light-driven water oxidation. <i>RSC Advances</i> , 2017, 7, 4102-4107.	3.6	10
53	Construction of light-harvesting system for enhanced catalytic performance of Pd nanoframes toward Suzuki coupling reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10150-10153.	10.3	10
54	Enhanced Interfacial Charge Transfer on a Tungsten Trioxide Photoanode with Immobilized Molecular Iridium Catalyst. <i>ChemSusChem</i> , 2017, 10, 3268-3275.	6.8	22

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55	A new strategy for effective distance regulation of the surface plasmon assisted coupling reaction of p-nitrothiophenol to p,p'-dimercaptoazobenzene. <i>Chemical Communications</i> , 2017, 53, 9582-9585.	4.1	14
56	Spectral proof for the 4-aminophenyl disulfide plasma assisted catalytic reaction. <i>Scientific Reports</i> , 2017, 7, 4358.	3.3	7
57	Catalytic Emulsion Based on Janus Nanosheets for Ultra-Deep Desulfurization. <i>Chemistry - A European Journal</i> , 2017, 23, 1920-1929.	3.3	41
58	Ionic liquid based polymeric liposomes: A stable and biocompatible soft platform for bioelectrochemistry. <i>Bioelectrochemistry</i> , 2016, 111, 41-48.	4.6	9
59	Charge Distribution Dependent Spectral Analysis of the Oxidized Diferrocenyl-Oligothiophylene-Vinylene Molecular Wires. <i>Scientific Reports</i> , 2016, 6, 35726.	3.3	2
60	A biocompatible cerasome based platform for direct electrochemistry of cholesterol oxidase and cholesterol sensing. <i>RSC Advances</i> , 2016, 6, 70781-70790.	3.6	9
61	Direct electrochemistry of cholesterol oxidase and biosensing of cholesterol based on PSS/polymeric ionic liquid-graphene nanocomposite. <i>RSC Advances</i> , 2016, 6, 59487-59496.	3.6	19
62	Highly efficient and selective hydrogenation of chloronitrobenzenes to chloroanilines by H_2 over confined silver nanoparticles. <i>RSC Advances</i> , 2016, 6, 31871-31875.	3.6	8
63	Detailed theoretical investigation of excited-state intramolecular proton transfer mechanism of a new chromophore II. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 154, 130-134.	3.9	9
64	The excited-state multiple proton transfer mechanism of the 7-hydroxyquinoline-(CH ₃ OH) ₃ cluster. <i>New Journal of Chemistry</i> , 2015, 39, 9910-9917.	2.8	38
65	Facile Synthesis of Micron-Sized Hollow Silver Spheres as Substrates for Surface-Enhanced Raman Scattering. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-7.	2.5	2
66	Unusual Raman spectra of para-nitroaniline by sequential Fermi resonances. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 616-620.	3.9	2
67	High-Efficient Oxidation-Extraction Desulfurization Process by Ionic Liquid 1-Butyl-3-methyl-imidazolium Trifluoroacetic Acid. <i>Energy & Fuels</i> , 2014, 28, 6677-6682.	5.1	37
68	Remote Excited Raman Optical Activity of Adenine Along Ag Plasmonic Waveguide. <i>Plasmonics</i> , 2014, 9, 673-676.	3.4	5
69	Visualized method of chemical enhancement mechanism on SERS and TERS. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 533-540.	2.5	107
70	Templated high-yield synthesis of Pt nanorods enclosed by high-index {311} facets for methanol selective oxidation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7316.	10.3	32
71	Visualizations of charge transfer for the model of poly(3,4-alkylenedioxythiophene)s in neutral and various oxidation states. <i>RSC Advances</i> , 2012, 2, 12983.	3.6	8
72	Preparation of High SERS-Active Silver Films in an Aqueous Solution of Room Temperature Ionic Liquids. <i>Integrated Ferroelectrics</i> , 2012, 135, 62-70.	0.7	1

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73	Selective reduction of nitroaromatic compounds on silver nanoparticles by visible light. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1024-1028.	2.5	7
74	The pH-Controlled Plasmon-Assisted Surface Photocatalysis Reaction of 4-Aminothiophenol to 4,4'-Dithiobis(2-mercaptoazobenzene) on Au, Ag, and Cu Colloids. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9629-9636.	3.1	149
75	Synthesis of hollow polypyrrole-platinum complex spheres and their successful application as a catalyst for decomposition of hydrogen peroxide. <i>Kinetics and Catalysis</i> , 2011, 52, 716-722.	1.0	1
76	Is 4-mercaptobenzenethiol converted to 4,4'-dithiobis(2-mercaptoazobenzene) or 4-aminothiophenol by surface photochemistry reaction?. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1205-1206.	2.5	119
77	Adjustment and control of SERS activity of metal substrates by pressure. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 398-405.	2.5	10
78	Interfacial behavior of phase transfer catalysis of the reaction between potassium thiocyanate and p-nitrobenzyl bromide with crown ethers as catalysts. <i>Kinetics and Catalysis</i> , 2010, 51, 69-74.	1.0	3
79	Directed Calcium Chloride Coalescence Method for Preparation of Silver Nanocubes. <i>Applied Spectroscopy</i> , 2010, 64, 867-870.	2.2	1
80	Microwave-Assisted Chemical Demulsification of Water-in-Crude-Oil Emulsions. <i>Journal of Dispersion Science and Technology</i> , 2010, 31, 1574-1578.	2.4	14
81	Facile synthesis of micron-sized hollow copper spheres with ZSM-5 molecular sieve as a template. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 876-880.	2.5	12
82	Microwave-assisted synthesis of sensitive silver substrate for surface-enhanced Raman scattering spectroscopy. <i>Journal of Chemical Physics</i> , 2008, 129, 134703.	3.0	26
83	AgNPs Functionalized with Dithizone for the Detection of Hg ²⁺ Based on Surface-enhanced Raman Scattering Spectroscopy. <i>Plasmonics</i> , 0, , 1.	3.4	2
84	Bio-inspired Fabrication of Porous Aromatic Framework-Coated Fabric for Achieving Durable Superhydrophobic Applications. <i>Advanced Materials Interfaces</i> , 0, , 2101994.	3.7	3