

Juan Li

List of Publications by Year in descending order

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90
papers

12,402
citations

218677

26
h-index

45317

90
g-index

90
all docs

90
docs citations

90
times ranked

24860
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic characterisation and epidemiology of 2019 novel coronavirus: implications for virus origins and receptor binding. <i>Lancet, The</i> , 2020, 395, 565-574.	13.7	9,430
2	Functional nucleic acid-based hydrogels for bioanalytical and biomedical applications. <i>Chemical Society Reviews</i> , 2016, 45, 1410-1431.	38.1	416
3	Molecular Diagnosis of COVID-19: Challenges and Research Needs. <i>Analytical Chemistry</i> , 2020, 92, 10196-10209.	6.5	294
4	Isothermal Amplification and Ambient Visualization in a Single Tube for the Detection of SARS-CoV-2 Using Loop-Mediated Amplification and CRISPR Technology. <i>Analytical Chemistry</i> , 2020, 92, 16204-16212.	6.5	172
5	CRISPR technology incorporating amplification strategies: molecular assays for nucleic acids, proteins, and small molecules. <i>Chemical Science</i> , 2021, 12, 4683-4698.	7.4	145
6	Development of a low-cost paper-based ELISA method for rapid <i>Escherichia coli</i> O157:H7 detection. <i>Analytical Biochemistry</i> , 2018, 542, 58-62.	2.4	144
7	Immune Checkpoint Blockade Mediated by a Small Molecule Nanoinhibitor Targeting the PD-1/PD-L1 Pathway Synergizes with Photodynamic Therapy to Elicit Antitumor Immunity and Antimetastatic Effects on Breast Cancer. <i>Small</i> , 2019, 15, e1903881.	10.0	124
8	An Assembled Nanocomplex for Improving both Therapeutic Efficiency and Treatment Depth in Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7759-7763.	13.8	104
9	An ABA triblock copolymer strategy for intrinsically stretchable semiconductors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3599-3606.	5.5	93
10	CRISPR/Cas12a-mediated gold nanoparticle aggregation for colorimetric detection of SARS-CoV-2. <i>Chemical Communications</i> , 2021, 57, 6871-6874.	4.1	70
11	Development of a self-priming PDMS/paper hybrid microfluidic chip using mixed-dye-loaded loop-mediated isothermal amplification assay for multiplex foodborne pathogens detection. <i>Analytica Chimica Acta</i> , 2018, 1040, 81-89.	5.4	63
12	Colorimetric immunoassay for <i>Listeria monocytogenes</i> by using core gold nanoparticles, silver nanoclusters as oxidase mimetics, and aptamer-conjugated magnetic nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 360.	5.0	57
13	Colorimetric immunoassay for rapid detection of <i>Staphylococcus aureus</i> based on etching-enhanced peroxidase-like catalytic activity of gold nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 504.	5.0	46
14	Selective turn-on fluorescence detection of <i>Vibrio parahaemolyticus</i> in food based on charge-transfer between CdSe/ZnS quantum dots and gold nanoparticles. <i>Food Control</i> , 2017, 80, 380-387.	5.5	45
15	Rapid and Specific Detection of <i>Listeria monocytogenes</i> With an Isothermal Amplification and Lateral Flow Strip Combined Method That Eliminates False-Positive Signals From Primer Dimers. <i>Frontiers in Microbiology</i> , 2019, 10, 2959.	3.5	45
16	Colorimetric Immunoassay for Rapid Detection of <i>Vibrio parahemolyticus</i> Based on Mn ²⁺ Mediates the Assembly of Gold Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9516-9521.	5.2	44
17	A multicolorimetric assay for rapid detection of <i>Listeria monocytogenes</i> based on the etching of gold nanorods. <i>Analytica Chimica Acta</i> , 2019, 1048, 154-160.	5.4	44
18	Colorimetric immunoassay for rapid detection of <i>Vibrio parahaemolyticus</i> . <i>Mikrochimica Acta</i> , 2017, 184, 4785-4792.	5.0	40

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19	A novel multi-epitope recombinant protein for diagnosis of human brucellosis. BMC Infectious Diseases, 2016, 16, 219.	2.9	35
20	Rapid and Quantitative Detection of <i>Vibrio parahaemolyticus</i> by the Mixed-Dye-Based Loop-Mediated Isothermal Amplification Assay on a Self-Priming Compartmentalization Microfluidic Chip. Journal of Agricultural and Food Chemistry, 2017, 65, 11312-11319.	5.2	35
21	A novel visual-mixed-dye for LAMP and its application in the detection of foodborne pathogens. Analytical Biochemistry, 2019, 574, 1-6.	2.4	35
22	Heteropolymolybdate-amine amino acid complexes: synthesis, characterization and biological activity. Journal of Coordination Chemistry, 2004, 57, 1309-1319.	2.2	32
23	Synthesis, cytotoxicity and antitumour mechanism investigations of polyoxometalate doped silica nanospheres on breast cancer MCF-7 cells. PLoS ONE, 2017, 12, e0181018.	2.5	32
24	Polyethyleneimine-interlayered silica-core quantum dot-shell nanocomposites for sensitive detection of <i>Salmonella typhimurium</i> via a lateral flow immunoassay. RSC Advances, 2020, 10, 2483-2489.	3.6	29
25	A novel fluorescence method for the rapid and effective detection of <i>Listeria monocytogenes</i> using aptamer-conjugated magnetic nanoparticles and aggregation-induced emission dots. Analyst, The, 2020, 145, 3857-3863.	3.5	29
26	A sandwich immunoassay for brucellosis diagnosis based on immune magnetic beads and quantum dots. Journal of Pharmaceutical and Biomedical Analysis, 2017, 141, 79-86.	2.8	28
27	A Rapid Detection Method of Brucella with Quantum Dots and Magnetic Beads Conjugated with Different Polyclonal Antibodies. Nanoscale Research Letters, 2017, 12, 179.	5.7	28
28	A novel recombinant multi-epitope protein against Brucella melitensis infection. Immunology Letters, 2016, 175, 1-7.	2.5	25
29	Rapid visualized isothermal nucleic acid testing of <i>Vibrio parahaemolyticus</i> by polymerase spiral reaction. Analytical and Bioanalytical Chemistry, 2020, 412, 93-101.	3.7	25
30	An improved recombinase polymerase amplification assay for visual detection of <i>Vibrio parahaemolyticus</i> with lateral flow strips. Journal of Food Science, 2020, 85, 1834-1844.	3.1	25
31	An Assembled Nanocomplex for Improving both Therapeutic Efficiency and Treatment Depth in Photodynamic Therapy. Angewandte Chemie, 2018, 130, 7885-7889.	2.0	24
32	Curcumin upregulates S100 expression and improves regeneration of the sciatic nerve following its complete amputation in mice. Neural Regeneration Research, 2016, 11, 1304.	3.0	24
33	Bone morphogenetic protein-2 sustained delivery by hydrogels with microspheres repairs rabbit mandibular defects. Tissue Engineering and Regenerative Medicine, 2016, 13, 750-761.	3.7	23
34	One-step colorimetric detection of Staphylococcus aureus based on target-induced shielding against the peroxidase mimicking activity of aptamer-functionalized gold-coated iron oxide nanocomposites. Talanta, 2021, 232, 122448.	5.5	23
35	In vitro and in vivo antifungal activities and mechanism of heteropolytungstates against Candida species. Scientific Reports, 2017, 7, 16942.	3.3	22
36	Intraparticle FRET for Enhanced Efficiency of Two-Photon Activated Photodynamic Therapy. Advanced Healthcare Materials, 2018, 7, e1701357.	7.6	22

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37	Paper chip-based colorimetric assay for detection of <i>Salmonella typhimurium</i> by combining aptamer-modified Fe ₃ O ₄ @Ag nanoprobe and urease activity inhibition. <i>Mikrochimica Acta</i> , 2020, 187, 554.	5.0	21
38	A concise detection strategy of <i>Staphylococcus aureus</i> using N-Succinyl-Chitosan-doped bacteria-imprinted composite film and AIE fluorescence sensor. <i>Journal of Hazardous Materials</i> , 2022, 423, 126934.	12.4	21
39	Self-Assembly and Antitumor Activity of a Polyoxovanadate-Based Coordination Nanocage. <i>Chemistry - A European Journal</i> , 2019, 25, 15326-15332.	3.3	20
40	Determination of Eleven Organophosphorus Pesticide Residues in Textiles by Using HPLC-HRMS. <i>Analytical Sciences</i> , 2017, 33, 1027-1032.	1.6	19
41	Colorimetric Immunoassay for the Detection of <i>Staphylococcus aureus</i> by Using Magnetic Carbon Dots and Silver Nanoclusters as o-Phenylenediamine-Oxidase Mimetics. <i>Food Analytical Methods</i> , 2020, 13, 833-838.	2.6	19
42	Colorimetric detection of <i>Staphylococcus aureus</i> using gold nanorods labeled with yolk immunoglobulin and urease, magnetic beads, and a phenolphthalein impregnated test paper. <i>Mikrochimica Acta</i> , 2019, 186, 611.	5.0	18
43	Simultaneous detection of three zoonotic pathogens based on phage display peptide and multicolor quantum dots. <i>Analytical Biochemistry</i> , 2020, 608, 113854.	2.4	18
44	Antileukemic activity of an arsenomolybdate in the human HL-60 and U937 leukemia cells. <i>Journal of Inorganic Biochemistry</i> , 2017, 168, 67-75.	3.5	17
45	<i>Brucella</i> TIR-like protein TcpB/Btp1 specifically targets the host adaptor protein MAL/TIRAP to promote infection. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 509-514.	2.1	15
46	Design and preparation of a new polyurea-polysiloxane-polyether copolymer with a block soft segment prepared by utilizing aza-Michael addition reaction. <i>Polymer Chemistry</i> , 2018, 9, 869-877.	3.9	15
47	Coupling anodic/cathodic energy storage through <i>in situ</i> heterostructure regulation of ordered microporous carbon for sodium-ion hybrid capacitors. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3360-3368.	10.3	15
48	A multicolor sensing system for simultaneous detection of four foodborne pathogenic bacteria based on Fe ₃ O ₄ /MnO ₂ nanocomposites and the etching of gold nanorods. <i>Food and Chemical Toxicology</i> , 2021, 149, 112035.	3.6	15
49	Facile method for CLSM imaging unfunctionalized Au nanoparticles through fluorescent channels. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1219-1225.	1.9	14
50	Inhibition of TLR4 signaling by <i>Brucella</i> TIR-containing protein TcpB-derived decoy peptides. <i>International Journal of Medical Microbiology</i> , 2016, 306, 391-400.	3.6	13
51	Triple network hydrogels (TN gels) prepared by a one-pot, two-step method with high mechanical properties. <i>RSC Advances</i> , 2018, 8, 6789-6797.	3.6	13
52	Synthesis, structural characterization and biological activity of polyoxometallate-containing protonated amantadine as a cation. <i>Journal of Coordination Chemistry</i> , 2004, 57, 715-721.	2.2	12
53	Enzyme-free and label-free detection of <i>Staphylococcus aureus</i> based on target-inhibited fluorescence signal recovery. <i>Food and Chemical Toxicology</i> , 2021, 150, 112071.	3.6	12
54	Label-Free Detection of <i>Staphylococcus aureus</i> Based on Bacteria-Imprinted Polymer and Turn-on Fluorescence Probes. <i>ACS Applied Bio Materials</i> , 2021, 4, 420-427.	4.6	12

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55	Pharmacokinetics of Anti-HBV Polyoxometalate in Rats. <i>PLoS ONE</i> , 2014, 9, e98292.	2.5	12
56	Detection of four foodborne pathogens based on magnetic separation multiplex PCR and capillary electrophoresis. <i>Biotechnology Journal</i> , 2022, 17, e2100335.	3.5	12
57	Rapid detection of <i>Vibrio parahaemolyticus</i> using magnetic nanobead-based immunoseparation and quantum dot-based immunofluorescence. <i>RSC Advances</i> , 2021, 11, 38638-38647.	3.6	12
58	Knockdown of Nogo gene by short hairpin RNA interference promotes functional recovery of spinal cord injury in a rat model. <i>Molecular Medicine Reports</i> , 2016, 13, 4431-4436.	2.4	11
59	Multifunctional Tetracene/Pentacene Host/Guest Nanorods for Enhanced Upconversion Photodynamic Tumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37479-37490.	8.0	11
60	Fluorescence signal amplification assay for the detection of <i>B. melitensis</i> 16M, based on peptide-mediated magnetic separation technology and a AuNP-mediated bio-barcode assembled by quantum dot technology. <i>Analyst</i> , 2019, 144, 2704-2715.	3.5	11
61	Multi-functional MnO ₂ -doped Fe ₃ O ₄ nanoparticles as an artificial enzyme for the colorimetric detection of bacteria. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3135-3140.	3.7	11
62	Rapid and selective recognition of <i>Vibrio parahaemolyticus</i> assisted by perfluorinated alkoxy silane modified molecularly imprinted polymer film. <i>RSC Advances</i> , 2020, 10, 14305-14312.	3.6	11
63	Applications of hybridization chain reaction optical detection incorporating nanomaterials: A review. <i>Analytica Chimica Acta</i> , 2022, 1190, 338930.	5.4	11
64	Antiviral effects of a niobium-substituted heteropolytungstate on hepatitis B virus-transgenic mice. <i>Drug Development Research</i> , 2019, 80, 1062-1070.	2.9	10
65	A colorimetric sensor for <i>Staphylococcus aureus</i> detection based on controlled click chemical-induced aggregation of gold nanoparticles and immunomagnetic separation. <i>Mikrochimica Acta</i> , 2022, 189, 104.	5.0	10
66	Design of a ZnO@Plant Polyphenol/Poly(vinyl alcohol) Film via Plant Polyphenol-Induced Cross-Linking and Its Enhanced UV Shielding and Antibacterial Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9369-9380.	6.7	10
67	On-Site Viral Inactivation and RNA Preservation of Gargle and Saliva Samples Combined with Direct Analysis of SARS-CoV-2 RNA on Magnetic Beads. <i>ACS Measurement Science Au</i> , 2022, 2, 224-232.	4.4	9
68	A new inorganic-organic hybrid compound constructed from polyoxoanions and rare earth coordination complexes. <i>Transition Metal Chemistry</i> , 2006, 31, 770-775.	1.4	8
69	Colorimetric determination of <i>Listeria monocytogenes</i> using aptamer and urease dual-labeled magnetic nanoparticles and cucurbit[7]uril-mediated supramolecular assembly of gold nanoparticle. <i>Mikrochimica Acta</i> , 2022, 189, 41.	5.0	8
70	A Chlorine-Based Redox Electrochemical Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24396-24403.	8.0	8
71	A 3-D pillar-layered coordination polymer {[EuCu(C ₂ O ₄) ₂ (na) ₂]·2H ₂ O}·nH ₂ O: synthesis, structure and photoluminescent properties. <i>Journal of Coordination Chemistry</i> , 2008, 61, 2876-2883.	2.2	7
72	Genotoxicity and acute and subchronic toxicity studies of a bioactive polyoxometalate in Wistar rats. <i>BMC Pharmacology & Toxicology</i> , 2017, 18, 26.	2.4	7

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73	Preparation and identification of chicken egg yolk immunoglobulins against human enterovirus 71 for diagnosis of hand-foot-and-mouth disease. <i>Analytical Biochemistry</i> , 2019, 573, 44-50.	2.4	6
74	Appropriate Body Mass Index and Waist-hip Ratio Cutoff Points for Overweight and Obesity in Adults of Northeast China. <i>Iranian Journal of Public Health</i> , 2017, 46, 1038-1045.	0.5	6
75	Synthesis, crystal structure and magnetic properties of 2D bi-layered coordination polymer. <i>Journal of Coordination Chemistry</i> , 2006, 59, 1641-1647.	2.2	5
76	Immune dysfunction induced by 2,6-dichloro-1,4-benzoquinone, an emerging water disinfection byproduct, due to the defects of host-microbiome interactions. <i>Chemosphere</i> , 2022, 294, 133777.	8.2	5
77	Self-assembly of a 3-D self-catenated framework based on [V ₄ O ₁₂] ⁴⁻ polyoxoanions and cobalt-organic polymer. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1228-1237.	2.2	4
78	Increased histone deacetylase activity in peripheral blood mononuclear cells of patients with schizophrenia. <i>Psychiatry Research</i> , 2016, 245, 105-107.	3.3	4
79	Development and Assessment of a Paper-based Enzyme-linked Immunosorbent Assay for the Colorimetric Diagnosis of Human Brucellosis. <i>Analytical Letters</i> , 2019, 52, 1614-1628.	1.8	4
80	A Reverse Transcription-Polymerase Spiral Reaction (RT-PSR)-Based Rapid Coxsackievirus A16 Detection Method and Its Application in the Clinical Diagnosis of Hand, Foot, and Mouth Disease. <i>Frontiers in Microbiology</i> , 2020, 11, 734.	3.5	4
81	Multi-functional magnetic molecular imprinting probe for visual detection of IgY antibodies. <i>Mikrochimica Acta</i> , 2021, 188, 378.	5.0	4
82	Rapid qualitative and quantitative detection of <i>Salmonella typhimurium</i> using a single-step dual photometric/fluorometric assay. <i>Mikrochimica Acta</i> , 2022, 189, 218.	5.0	4
83	Smoking cessation in late life is associated with increased risk of all-cause mortality amongst oldest old people: a community-based prospective cohort study. <i>Age and Ageing</i> , 2021, 50, 1298-1305.	1.6	3
84	A four-in-one pure nanomedicine for synergistic multi-target therapy against breast cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8809-8822.	5.8	3
85	Association Between Schizophrenia and DNA Demethylase Activity in Human Peripheral Blood Mononuclear Cells. <i>Clinical Laboratory</i> , 2018, 64, 1031-1035.	0.5	3
86	In Vitro Antitumor Activity of a Keggin Vanadium-Substituted Polyoxomolybdate and Its ctDNA Binding Properties. <i>Journal of Chemistry</i> , 2015, 2015, 1-6.	1.9	2
87	Feasibility Study on Facile and One-step Colorimetric Determination of Glutathione by Exploiting Oxidase-like Activity of Fe ₃ O ₄ -MnO ₂ Nanocomposites. <i>Analytical Sciences</i> , 2021, 37, 1355-1360.	1.6	2
88	Two pillared-helical-layer frameworks based on spiral chainlike metavanadate and [M(bt _x)] ₂ ⁺ complexes. <i>Journal of Coordination Chemistry</i> , 2015, 68, 743-751.	2.2	1
89	A novel recombinant multi-epitope protein candidate for the diagnosis of brucellosis: A pilot study. <i>Journal of Microbiological Methods</i> , 2020, 174, 105964.	1.6	1
90	Effect of honokiol on exotoxin proteins listeriolysin O and p60 secreted by <i>Listeria monocytogenes</i> . <i>Journal of Medical Microbiology</i> , 2015, 64, 1474-1480.	1.8	1