

Shaoning Yu

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

4,520
citations

393982

19
h-index

102304

66
g-index

70
all docs

70
docs citations

70
times ranked

7351
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourier Transform Infrared Spectroscopic Analysis of Protein Secondary Structures. <i>Acta Biochimica Et Biophysica Sinica</i> , 2007, 39, 549-559.	0.9	2,565
2	Obtaining information about protein secondary structures in aqueous solution using Fourier transform IR spectroscopy. <i>Nature Protocols</i> , 2015, 10, 382-396.	5.5	819
3	Microfluidic Raman biochip detection of exosomes: a promising tool for prostate cancer diagnosis. <i>Lab on A Chip</i> , 2020, 20, 4632-4637.	3.1	80
4	Probing the binding affinity of plasma proteins adsorbed on Au nanoparticles. <i>Nanoscale</i> , 2017, 9, 4787-4792.	2.8	77
5	Progress in infrared spectroscopy as an efficient tool for predicting protein secondary structure. <i>International Journal of Biological Macromolecules</i> , 2022, 206, 175-187.	3.6	64
6	Probing the mechanism of plasma protein adsorption on Au and Ag nanoparticles with FT-IR spectroscopy. <i>Nanoscale</i> , 2015, 7, 15191-15196.	2.8	63
7	Thuricinâ€¦Z: A Narrowâ€¦Spectrum Sactibiotic that Targets the Cell Membrane. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18793-18797.	7.2	42
8	Solution Structure and Structural Dynamics of Envelope Protein Domain III of Mosquito- and Tick-Borne Flavivirusesâ€¦. <i>Biochemistry</i> , 2004, 43, 9168-9176.	1.2	38
9	FTIR-assisted MALDI-TOF MS for the identification and typing of bacteria. <i>Analytica Chimica Acta</i> , 2020, 1111, 75-82.	2.6	37
10	Dissecting the Mechanism of Epac Activation via Hydrogenâ€¦Deuterium Exchange FT-IR and Structural Modelingâ€¦. <i>Biochemistry</i> , 2006, 45, 15318-15326.	1.2	35
11	The Secondary Structure of Calcineurin Regulatory Region and Conformational Change Induced by Calcium/Calmodulin Binding. <i>Journal of Biological Chemistry</i> , 2008, 283, 11407-11413.	1.6	34
12	Calcium-induced changes in calmodulin structural dynamics and thermodynamics. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1011-1017.	3.6	33
13	Serum albumin adsorbed on Au nanoparticles: structural changes over time induced by Sâ€¦Au interaction. <i>Chemical Communications</i> , 2015, 51, 3634-3636.	2.2	33
14	Identification of pathogenic bacteria in human blood using IgG-modified Fe3O4 magnetic beads as a sorbent and MALDI-TOF MS for profiling. <i>Mikrochimica Acta</i> , 2018, 185, 542.	2.5	33
15	Biosynthetic Insights into Linaridin Natural Products from Genome Mining and Precursor Peptide Mutagenesis. <i>ACS Chemical Biology</i> , 2017, 12, 1484-1488.	1.6	31
16	Role of Residue 138 in the Interdomain Hinge Region in Transmitting Allosteric Signals for DNA Binding in Escherichia colicAMP Receptor Proteinâ€¦. <i>Biochemistry</i> , 2004, 43, 4662-4669.	1.2	26
17	Conformational-transited protein corona regulated cell-membrane penetration and induced cytotoxicity of ultrasmall Au nanoparticles. <i>RSC Advances</i> , 2019, 9, 4435-4444.	1.7	23
18	Convergent evolution of the Cys decarboxylases involved in aminovinylâ€¦cysteine (AviCys) biosynthesis. <i>FEBS Letters</i> , 2019, 593, 573-580.	1.3	23

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19	Effects of metabolites on the structural dynamics of rabbit muscle pyruvate kinase. <i>Biophysical Chemistry</i> , 2003, 103, 1-11.	1.5	21
20	SERS-based immunocapture and detection of pathogenic bacteria using a boronic acid-functionalized polydopamine-coated Au@Ag nanoprobe. <i>Mikrochimica Acta</i> , 2020, 187, 290.	2.5	20
21	The Competitive Dynamic Binding of Some Blood Proteins Adsorbed on Gold Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800257.	1.2	19
22	The strategy for correcting interference from water in Fourier transform infrared spectrum based bacterial typing. <i>Talanta</i> , 2020, 208, 120347.	2.9	19
23	Detailed insight into the formation of protein corona: Conformational change, stability and aggregation. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 1114-1122.	3.6	18
24	Ultrasensitive Analysis of Exosomes Using a 3D Self-Assembled Nanostructured SiO ₂ Microfluidic Chip. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14693-14702.	4.0	18
25	Solid-film sampling method for the determination of protein secondary structure by Fourier transform infrared spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4459-4465.	1.9	17
26	Fluorescent polymer dots and graphene oxide based nanocomplexes for off-on detection of metalloproteinase-9. <i>Nanoscale</i> , 2019, 11, 20903-20909.	2.8	17
27	Highly efficient synergistic biocatalysis driven by stably loaded enzymes within hierarchically porous iron/cobalt metal-organic framework via biomimetic mineralization. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1553-1560.	2.9	15
28	Probing cAMP-Dependent Protein Kinase Holoenzyme Complexes I [±] and II ² by FT-IR and Chemical Protein Footprinting. <i>Biochemistry</i> , 2004, 43, 1908-1920.	1.2	14
29	Rapid and specific detection nanoplatfrom of serum exosomes for prostate cancer diagnosis. <i>Mikrochimica Acta</i> , 2021, 188, 283.	2.5	14
30	The chirality determination of amino acids by forming complexes with cyclodextrins and metal ions using ion mobility spectrometry, and a DFT calculation. <i>Talanta</i> , 2022, 243, 123363.	2.9	14
31	The N-terminal Capping Propensities of the D-helix Modulate the Allosteric Activation of the Escherichia coli cAMP Receptor Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 39402-39411.	1.6	13
32	A versatile biomimetic multienzyme cascade nanoplatfrom based on boronic acid-modified metal-organic framework for colorimetric biosensing. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3444-3451.	2.9	12
33	Probing the Ca ²⁺ /CaM-induced secondary structural and conformational changes in calcineurin. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 453-457.	3.6	11
34	Labeled-protein corona-coated Bi ₂ S ₃ nanorods targeted to lysosomes for bioimaging and efficient photothermal cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 196, 111291.	2.5	11
35	Releasing bacteria from functional magnetic beads is beneficial to MALDI-TOF MS based identification. <i>Talanta</i> , 2021, 225, 121968.	2.9	11
36	Novel Facile One-Pot Synthesis of Bi ₂ S ₃ @BiOCl Ultrathin Hetero-nanosheets for Selective Alcohol Oxidation. <i>ChemCatChem</i> , 2021, 13, 2293-2302.	1.8	11

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37	Direct distinction of ibuprofen and flurbiprofen enantiomers by ion mobility mass spectrometry of their ternary complexes with metal cations and cyclodextrins in the gas phase. <i>Journal of Separation Science</i> , 2021, 44, 2474-2482.	1.3	11
38	Evaluation of prostate cancer based on MALDI-TOF MS fingerprinting of nanoparticle-treated serum proteins/peptides. <i>Talanta</i> , 2020, 220, 121331.	2.9	10
39	CaCO ₃ -Encapsulated Au Nanoparticles Modulate Macrophages toward M1-like Phenotype. <i>ACS Applied Bio Materials</i> , 2021, 4, 3214-3223.	2.3	10
40	Cross-Linked Polyamide Chains Enhanced the Fluorescence of Polymer Carbon Dots. <i>ACS Omega</i> , 2020, 5, 8219-8229.	1.6	9
41	Direct and simultaneous recognition of the positional isomers of aminobenzenesulfonic acid by TIMS-TOF-MS. <i>Talanta</i> , 2021, 226, 122085.	2.9	9
42	Evolution of the protein corona affects macrophage polarization. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 192-200.	3.6	9
43	Roles of hinge region, loops 3 and 4 in the activation of Escherichia coli cyclic AMP receptor protein. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1-6.	3.6	8
44	Overestimated accuracy of circular dichroism in determining protein secondary structure. <i>European Biophysics Journal</i> , 2013, 42, 455-461.	1.2	8
45	Rapid identification of bacterial mixtures in urine using MALDI-TOF MS-based algorithm profiling coupled with magnetic enrichment. <i>Analyst</i> , 2022, 147, 443-449.	1.7	8
46	Movements of the Substrate-Binding Clamp of Cypemycin Decarboxylase CypD. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2924-2929.	2.5	7
47	Protein FT-IR amide bands are beneficial to bacterial typing. <i>International Journal of Biological Macromolecules</i> , 2022, 207, 358-364.	3.6	7
48	The conformational change of rabbit muscle pyruvate kinase induced by activating cations and its substrates. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 228-232.	3.6	6
49	Calcium-dependent conformational transition of calmodulin determined by Fourier transform infrared spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2013, 56, 57-61.	3.6	6
50	Binding of calmodulin changes the calcineurin regulatory region to a less dynamic conformation. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 235-239.	3.6	6
51	4-Hydrazinoquinazoline acting as a reactive matrix for the rapid and sensitive analysis of neutral and sialylated glycans using MALDI MS. <i>Analyst</i> , 2021, 146, 6840-6845.	1.7	6
52	Discrimination of Aminobiphenyl Isomers in the Gas Phase and Investigation of Their Complex Conformations. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 716-724.	1.2	6
53	Rapid identification of bacteria directly from blood cultures by Co-magnetic bead enrichment and MALDI-TOF MS profiling. <i>Talanta</i> , 2021, 233, 122472.	2.9	6
54	The role of loops 3 and 4 in the interdomains and intersubunits communication of E. coli cAMP receptor protein. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 372-379.	3.6	5

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55	Simultaneous enrichment and analysis of benzimidazole by in-tube SPME-MS based on poly (3-Acrylamidophenylboronic acid-co-divinylbenzene-co-N,N-dimethylmethacrylamide) monolithic column. <i>Talanta</i> , 2021, 224, 121402.	2.9	5
56	Application of MALDI-TOF MS Profiling Coupled With Functionalized Magnetic Enrichment for Rapid Identification of Pathogens in a Patient With Open Fracture. <i>Frontiers in Chemistry</i> , 2021, 9, 672744.	1.8	5
57	MALDI-TOF MS method for differentiation of methicillin-sensitive and methicillin-resistant <i>Staphylococcus aureus</i> using (E)-Propyl 4-cyano-4-Hydroxyl cinnamate. <i>Talanta</i> , 2022, 244, 123405.	2.9	5
58	Probing the catalytic allosteric mechanism of rabbit muscle pyruvate kinase by tryptophan fluorescence quenching. <i>European Biophysics Journal</i> , 2012, 41, 607-614.	1.2	4
59	Protein Binding on the Surface of Magnetic Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900072.	1.2	4
60	Enantioselective separation of pregabalin by ternary complexation using trapped ion mobility spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e9052.	0.7	4
61	Structural dynamic and thermodynamic analysis of calcineurin B subunit induced by calcium/magnesium binding. <i>International Journal of Biological Macromolecules</i> , 2013, 60, 122-127.	3.6	2
62	Mitochondrial Targeting Strategy for Enhanced Photothermal Cancer Therapy. <i>ChemNanoMat</i> , 2021, 7, 457-466.	1.5	2
63	Enzyme-assisted ReMALDI-MS assay for quantification of cholesterol in food. <i>Food Chemistry</i> , 2022, 383, 132444.	4.2	2
64	Efficient Classification of <i>Escherichia coli</i> and <i>Shigella</i> using FT-IR Spectroscopy and Multivariate Analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, , 121369.	2.0	2
65	Quantifying Non-covalent Binding Interactions between Tobacco Alkaloids and Cyclodextrin Using Mass Spectrometry and the Application in Cigarette Smoke. <i>ChemistrySelect</i> , 2020, 5, 6658-6665.	0.7	1
66	Effective discrimination of <i>Yersinia pestis</i> and <i>Yersinia pseudotuberculosis</i> by MALDI-TOF MS using multivariate analysis. <i>Talanta</i> , 2021, 234, 122640.	2.9	1
67	Fc-MBL-modified Fe ₃ O ₄ magnetic bead enrichment and fixation in Gram stain for rapid detection of low-concentration bacteria. <i>Mikrochimica Acta</i> , 2022, 189, 169.	2.5	1
68	Effects of activating cations and inhibitor on the allosteric regulation of rabbit muscle pyruvate kinase. <i>International Journal of Biological Macromolecules</i> , 2013, 60, 219-225.	3.6	0