

Xiaosong Hu

List of Publications by Year in descending order

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20
papers

383
citations

932766

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794141

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21
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21
docs citations

21
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	A Covalent Approach for Site-Specific RNA Labeling in Mammalian Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4597-4602.	7.2	69
2	Nitrogen and sulfur co-doped carbon with three-dimensional ordered macroporosity: An efficient metal-free oxygen reduction catalyst derived from ionic liquid. <i>Journal of Power Sources</i> , 2016, 323, 90-96.	4.0	47
3	Conformational Populations of $^2\text{-}(1\text{'4)} \text{ } ^\text{O}$ -Glycosidic Linkages Using Redundant NMR $\text{ } ^\text{J}$ -Couplings and Circular Statistics. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3042-3058.	1.2	39
4	Amide $\text{Cis} \sim \text{Trans}$ Isomerization in Aqueous Solutions of Methyl N -Formyl- D -glucosaminides and Methyl N -Acetyl- D -glucosaminides: Chemical Equilibria and Exchange Kinetics. <i>Journal of the American Chemical Society</i> , 2010, 132, 4641-4652.	6.6	38
5	Informing Saccharide Structural NMR Studies with Density Functional Theory Calculations. <i>Methods in Molecular Biology</i> , 2015, 1273, 289-331.	0.4	24
6	N -Acetyl Side-Chains in Saccharides: NMR $\text{ } ^\text{J}$ -Coupling Equations Sensitive to $\text{CH} \sim \text{NH}$ and $\text{NH} \sim \text{CO}$ Bond Conformations in 2-Acetamido-2-deoxy-aldohexopyranosyl Rings. <i>Journal of Organic Chemistry</i> , 2010, 75, 4899-4910.	1.7	21
7	Highly sensitive method for aldehydes detection: Application to furfurals analysis in raisin and bovine milk powder. <i>Analytica Chimica Acta</i> , 2017, 987, 47-55.	2.6	19
8	A new synthetic protocol for coumarin amino acid. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 254-259.	1.3	17
9	Highly efficient electrochemical detection of lead ion using metal-organic framework and graphene as platform based on DNAzyme. <i>Synthetic Metals</i> , 2019, 254, 164-171.	2.1	16
10	Methyl 4- O - $^2\text{-D}$ -galactopyranosyl $^1\text{-D}$ -mannopyranoside methanol 0.375-solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o67-o70.	0.4	11
11	Methyl ^{13}C Glucopyranosiduronic Acids: Effect of COOH Ionization and Exocyclic Structure on NMR Spin-Couplings. <i>Journal of Organic Chemistry</i> , 2012, 77, 9521-9534.	1.7	9
12	The synthesis of two long-chain N-hydroxy amino coumarin compounds and their applications in the analysis of aldehydes. <i>RSC Advances</i> , 2017, 7, 19707-19716.	1.7	9
13	Reductive oxyamination: a method for the qualitative and quantitative analysis of monosaccharides with a new aminoxy reagent using high-performance liquid chromatography with fluorescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 79-89.	1.9	9
14	Nitrone formation: A new strategy for the derivatization of aldehydes and its application on the determination of furfurals in foods by high performance liquid chromatography with fluorescence detection. <i>Talanta</i> , 2018, 178, 834-841.	2.9	8
15	Determination of biogenic amines in alcoholic beverages using a novel fluorogenic compound as derivatizing reagent. <i>RSC Advances</i> , 2021, 11, 19541-19550.	1.7	6
16	A sandwich-type photoelectrochemical aptasensor using Au/BiVO_4 and CdS quantum dots for carcinoembryonic antigen assay. <i>Analyst</i> , 2021, 146, 5904-5912.	1.7	6
17	The determination of trace free acid content in lithium-ion battery electrolytes by coulometric titration in non-aqueous media. <i>Analyst</i> , 2020, 145, 582-587.	1.7	5
18	Ultrasensitive electrochemical sensor for mercury ion detection based on molybdenum selenide and Au nanoparticles via thymine-Hg ²⁺ -thymine coordination. <i>Analytical Methods</i> , 2022, 14, 278-285.	1.3	5

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19	Methyl 2-acetamido-2-deoxy-β-D-glucopyranoside dihydrate and methyl 2-formamido-2-deoxy-β-D-glucopyranoside. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, o146-o150.	0.4	3
20	Highly sensitive analysis of low-molecular-mass aldehydes in beverages using a hydroxylamine reagent by high-performance liquid chromatography with fluorescence detection. Analytical and Bioanalytical Chemistry, 2022, 414, 5009-5022.	1.9	2