

# Xiaosong Hu

## List of Publications by Year in descending order

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20  
papers

383  
citations

933447

10  
h-index

794594

19  
g-index

21  
all docs

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.	13.8	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.	7.8	47
3	Conformational Populations of $\beta$ -(1 $\rightarrow$ 4) $\alpha$ -D-Glucopyranosyl Glycosidic Linkages Using Redundant NMR $^1$ H- $^1$ J-Couplings and Circular Statistics. <i>Journal of Physical Chemistry B</i> , 2017, 121, 3042-3058.	2.6	39
4	Amide $\alpha$ -D-Glucopyranosyl Isomerization in Aqueous Solutions of Methyl $\alpha$ -D-Glucopyranosyl- $\alpha$ -D-Glucosaminides and Methyl $\alpha$ -D-Glucopyranosyl- $\alpha$ -D-Glucosaminides: Chemical Equilibria and Exchange Kinetics. <i>Journal of the American Chemical Society</i> , 2010, 132, 4641-4652.	13.7	38
5	Informing Saccharide Structural NMR Studies with Density Functional Theory Calculations. <i>Methods in Molecular Biology</i> , 2015, 1273, 289-331.	0.9	24
6	$\alpha$ -D-Glucopyranosyl Side-Chains in Saccharides: NMR $^1$ H- $^1$ J-Coupling Equations Sensitive to CH $\alpha$ -NH and NH $\alpha$ -CO Bond Conformations in 2-Acetamido-2-deoxy-aldohexopyranosyl Rings. <i>Journal of Organic Chemistry</i> , 2010, 75, 4899-4910.	3.2	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.	5.4	19
8	A new synthetic protocol for coumarin amino acid. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 254-259.	2.2	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.	3.9	16
10	Methyl 4- $\alpha$ -D-Galactopyranosyl $\beta$ -D-Mannopyranoside methanol 0.375-solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o67-o70.	0.4	11
11	Methyl [13C]Glucopyranosiduronic Acids: Effect of COOH Ionization and Exocyclic Structure on NMR Spin-Couplings. <i>Journal of Organic Chemistry</i> , 2012, 77, 9521-9534.	3.2	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.	3.6	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.	3.7	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.	5.5	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.	3.6	6
16	A sandwich-type photoelectrochemical aptasensor using Au/BiVO <sub>4</sub> and CdS quantum dots for carcinoembryonic antigen assay. <i>Analyst</i> , 2021, 146, 5904-5912.	3.5	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.	3.5	5
18	Ultrasensitive electrochemical sensor for mercury ion detection based on molybdenum selenide and Au nanoparticles $\alpha$ -thymine-Hg <sup>2+</sup> - $\alpha$ -thymine coordination. <i>Analytical Methods</i> , 2022, 14, 278-285.	2.7	5

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19	Methyl 2-acetamido-2-deoxy- $\beta$ -D-glucopyranoside dihydrate and methyl 2-formamido-2-deoxy- $\beta$ -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.	3.7	2