

# Xinhua Guo

## List of Publications by Year in descending order

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36  
papers

531  
citations

567281

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h-index

677142

22  
g-index

36  
all docs

36  
docs citations

36  
times ranked

642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing the effect of intramolecular interactions on DNA SERS detection: SERS capability for structural analysis. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10311-10317.	2.8	5
2	Accurate assembly and direct characterization of DNA nanogels crosslinked by G-quadruplex, i-motif and duplex with surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121161.	3.9	3
3	Rapid and accurate profiling of oligosaccharides in beer by using a reactive matrix via MALDI-TOF MS. <i>Food Chemistry</i> , 2021, 340, 128208.	8.2	8
4	A stable uncompleted tetramolecular G-quadruplex formed by d(AGnA) under acidic condition. <i>International Journal of Biological Macromolecules</i> , 2021, 176, 66-71.	7.5	1
5	Adenine shares the plane with G-quartet detected by surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2021, 235, 122777.	5.5	3
6	A dual-mode reactive matrix for sensitive and quantitative analysis of carbohydrates by MALDI-TOF MS. <i>Talanta</i> , 2021, 235, 122792.	5.5	15
7	Re-exploring $\hat{\pm}$ -Cyano-4-Hydroxycinnamic Acid as a Reactive Matrix for Selective Detection of Glutathione via MALDI-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2837-2841.	2.8	2
8	Label-Free and Highly Sensitive Detection of Native Proteins by Ag IANPs via Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 14325-14329.	6.5	24
9	Rapidly quantitative analysis of $\hat{1}^3$ -glutamyltranspeptidase activity in the lysate and blood via a rational design of the molecular probe by matrix-assisted laser desorption ionization mass spectrometry. <i>Talanta</i> , 2019, 205, 120141.	5.5	5
10	Direct Approach toward Label-Free DNA Detection by Surface-Enhanced Raman Spectroscopy: Discrimination of a Single-Base Mutation in 50 Base-Paired Double Helices. <i>Analytical Chemistry</i> , 2019, 91, 7980-7984.	6.5	36
11	2-Phenyl-3-( <i>p</i> -aminophenyl) Acrylonitrile: A Reactive Matrix for Sensitive and Selective Analysis of Glycans by MALDI-MS. <i>Analytical Chemistry</i> , 2019, 91, 8801-8807.	6.5	24
12	Base-Pair Contents and Sequences of DNA Double Helices Differentiated by Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3013-3018.	4.6	19
13	A pyrene linked peptide probe for quantitative analysis of protease activity via MALDI-TOF-MS. <i>Talanta</i> , 2019, 200, 236-241.	5.5	6
14	Quantitation of Glutathione by Quinoline-5, 8-Dione-Based Tag Strategy Using MALDI Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 625-633.	2.8	9
15	DBDA as a Novel Matrix for the Analyses of Small Molecules and Quantification of Fatty Acids by Negative Ion MALDI-TOF MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 704-710.	2.8	19
16	Label-Free Detection of Tetramolecular i-Motifs by Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2018, 90, 2996-3000.	6.5	39
17	A high sensitive and contaminant tolerant matrix for facile detection of membrane proteins by matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 999, 114-122.	5.4	5
18	5â€²-(CGA) <sub>n</sub> sequence-assisted pH-controlled assembly of supramolecular DNA nanostructure. <i>Royal Society Open Science</i> , 2018, 5, 180123.	2.4	1

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19	Structural Features of DNA G-Quadruplexes Revealed by Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3245-3252.	4.6	41
20	A Surface Pattern on MALDI Steel Plate for One-Step In-Situ Self-Desalting and Enrichment of Peptides/Proteins. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 428-433.	2.8	10
21	Ionization characteristics of glycosides by direct analysis in real time quadrupole-time of flight mass spectrometry. <i>New Journal of Chemistry</i> , 2017, 41, 1103-1109.	2.8	3
22	Characteristic NH <sub>3</sub> <sup>+</sup> and CO losses from sodiated peptides terminated by glutamine residues. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 649-657.	1.5	3
23	A cool and high salt-tolerant ionic liquid matrix for preferential ionization of phosphopeptides by negative ion MALDI-MS. <i>New Journal of Chemistry</i> , 2017, 41, 12241-12249.	2.8	5
24	Construction of a junction DNA nanostructure and modulation of the junction switching to quadruplexes. <i>Royal Society Open Science</i> , 2017, 4, 171337.	2.4	3
25	Assembly of supramolecular DNA complexes containing both G-quadruplexes and i-motifs by enhancing the G-repeat-bearing capacity of i-motifs. <i>Nucleic Acids Research</i> , 2017, 45, 26-38.	14.5	17
26	Correlations between fluorescence emission and base stacks of nucleic acid G-quadruplexes. <i>RSC Advances</i> , 2016, 6, 94531-94538.	3.6	11
27	(E)-Propyl $\pm$ -Cyano-4-Hydroxyl Cinnamate: A High Sensitive and Salt Tolerant Matrix for Intact Protein Profiling by MALDI Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 709-718.	2.8	18
28	Sequence Effect on the Topology of 3 + 1 Interlocked Bimolecular DNA G-Quadruplexes. <i>Biochemistry</i> , 2016, 55, 2694-2703.	2.5	10
29	Structural varieties of selectively mixed G- and C-rich short DNA sequences studied with electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 931-937.	1.6	10
30	Investigation of c ions formed by N <sup>+</sup> -terminally charged peptides upon collision-induced dissociation. <i>Journal of Mass Spectrometry</i> , 2016, 51, 989-997.	1.6	3
31	On-plate glycoproteins/glycopeptides selective enrichment and purification based on surface pattern for direct MALDI MS analysis. <i>Analyst</i> , The, 2013, 138, 3032.	3.5	16
32	On-Plate Selective Enrichment and Self-Desalting of Peptides/Proteins for Direct MALDI MS Analysis. <i>Analytical Chemistry</i> , 2012, 84, 2118-2123.	6.5	26
33	Novel temperature- and pH-responsive graft copolymers composed of poly(L-glutamic acid) and poly(N-isopropylacrylamide). <i>Journal of Polymer Science Part A</i> , 2008, 46, 4140-4150.	2.3	59
34	Bimolecular quadruplexes and their transitions to higher-order molecular structures detected by ESI-FTICR-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1467-1476.	2.8	27
35	Structural Features of the Argininamide-Binding DNA Aptamer Studied with ESI-FTMS. <i>Analytical Chemistry</i> , 2006, 78, 7259-7266.	6.5	16
36	Secondary structural characterization of oligonucleotide strands using electrospray ionization mass spectrometry. <i>Nucleic Acids Research</i> , 2005, 33, 3659-3666.	14.5	29