

Rutan Zhang

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	LiPydomics: A Python Package for Comprehensive Prediction of Lipid Collision Cross Sections and Retention Times and Analysis of Ion Mobility-Mass Spectrometry-Based Lipidomics Data. <i>Analytical Chemistry</i> , 2020, 92, 14967-14975.	6.5	40
2	TiO ₂ -Assisted Laser Desorption/Ionization Mass Spectrometry for Rapid Profiling of Candidate Metabolite Biomarkers from Antimicrobial-Resistant Bacteria. <i>Analytical Chemistry</i> , 2018, 90, 3863-3870.	6.5	38
3	Identification of pathogenic bacteria in human blood using IgG-modified Fe ₃ O ₄ magnetic beads as a sorbent and MALDI-TOF MS for profiling. <i>Mikrochimica Acta</i> , 2018, 185, 542.	5.0	33
4	Mass spectrometry-based metabolomics approach to reveal differential compounds in pufferfish soups: Flavor, nutrition, and safety. <i>Food Chemistry</i> , 2019, 301, 125261.	8.2	21
5	The Competitive Dynamic Binding of Some Blood Proteins Adsorbed on Gold Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800257.	2.3	19
6	Lanosterol Synthase Pathway Alleviates Lens Opacity in Age-Related Cortical Cataract. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-9.	1.3	18
7	Development and Application of a Peroxyl Radical Clock Approach for Measuring Both Hydrogen-Atom Transfer and Peroxyl Radical Addition Rate Constants. <i>Journal of Organic Chemistry</i> , 2021, 86, 153-168.	3.2	17
8	Electrostatic Spray Ionization-Mass Spectrometry for Direct and Fast Wine Characterization. <i>ACS Omega</i> , 2018, 3, 17881-17887.	3.5	12
9	A urinary metabolomics study of the metabolic dysfunction and the regulation effect of citalopram in rats exposed to chronic unpredictable mild stress. <i>RSC Advances</i> , 2015, 5, 69800-69812.	3.6	8
10	Synergy Between Beta-Lactams and Lipo-, Glyco-, and Lipoglycopeptides, Is Independent of the Seesaw Effect in Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 688357.	3.5	7
11	Discovery of coordinately regulated pathways that provide innate protection against interbacterial antagonism. <i>ELife</i> , 2022, 11, .	6.0	6
12	Evolution of <i>Enterococcus faecium</i> in Response to a Combination of Daptomycin and Fosfomycin Reveals Distinct and Diverse Adaptive Strategies. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0233321.	3.2	6
13	A metabolomics-based approach for ranking the depressive level in a chronic unpredictable mild stress rat model. <i>RSC Advances</i> , 2016, 6, 25751-25765.	3.6	5