

Arun S Moorthy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Combining Fragment-Ion and Neutral-Loss Matching during Mass Spectral Library Searching: A New General Purpose Algorithm Applicable to Illicit Drug Identification. <i>Analytical Chemistry</i> , 2017, 89, 13261-13268.	6.5	71
2	Creation and Release of an Updated NIST DART-MS Forensics Database. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 685-689.	2.8	26
3	Estimating Thermodynamic Properties of Pure Triglyceride Systems Using the Triglyceride Property Calculator. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 187-199.	1.9	24
4	Mass spectral similarity mapping applied to fentanyl analogs. <i>Forensic Chemistry</i> , 2020, 19, 100237.	2.8	20
5	A Spatially Continuous Model of Carbohydrate Digestion and Transport Processes in the Colon. <i>PLoS ONE</i> , 2015, 10, e0145309.	2.5	17
6	A New Library-Search Algorithm for Mixture Analysis Using DART-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1725-1734.	2.8	15
7	A framework for the development of targeted gas chromatography mass spectrometry (GC-MS) methods: Synthetic cannabinoids. <i>Journal of Forensic Sciences</i> , 2021, 66, 1908-1918.	1.6	9
8	Updates to the Inverted Library Search Algorithm for Mixture Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 1260-1266.	2.8	9
9	compuGUT: An in silico platform for simulating intestinal fermentation. <i>SoftwareX</i> , 2017, 6, 237-242.	2.6	7
10	Development and evaluation of a synthetic opioid targeted gas chromatography mass spectrometry (GC-MS) method. <i>Journal of Forensic Sciences</i> , 2021, 66, 2369-2380.	1.6	7
11	Assessing the influence of reactor system design criteria on the performance of model colon fermentation units. <i>Journal of Bioscience and Bioengineering</i> , 2014, 117, 478-484.	2.2	6
12	Development and evaluation of a synthetic cathinone targeted gas chromatography mass spectrometry (GC-MS) method. <i>Journal of Forensic Sciences</i> , 2021, 66, 1919-1928.	1.6	6
13	The Min-Max Test: An Objective Method for Discriminating Mass Spectra. <i>Analytical Chemistry</i> , 2021, 93, 13319-13325.	6.5	6
14	Revisiting a model to predict pure triglyceride thermodynamic properties: parameter optimization and performance. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2021, 98, 837-850.	1.9	4
15	Pattern Similarity Measures Applied to Mass Spectra. <i>SEMA SIMAI Springer Series</i> , 2021, , 43-53.	0.7	4
16	The Hitchhiker's Guide to Quant Biology. <i>BioScience</i> , 2016, 66, 256-257.	4.9	0