

Alex Chao

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

385
citations

840776

11
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the environmental prenatal exposome and its relationship to maternal and fetal health. <i>Reproductive Toxicology</i> , 2020, 98, 1-12.	2.9	67
2	Using prepared mixtures of ToxCast chemicals to evaluate non-targeted analysis (NTA) method performance. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 835-851.	3.7	54
3	Crystallographic and Spectroscopic Insights into Heme Degradation by <i>Mycobacterium tuberculosis</i> MhuD. <i>Inorganic Chemistry</i> , 2014, 53, 5931-5940.	4.0	52
4	Pharmacological Inhibition of Host Heme Oxygenase-1 Suppresses <i>Mycobacterium tuberculosis</i> Infection <i>In Vivo</i> by a Mechanism Dependent on T Lymphocytes. <i>MBio</i> , 2016, 7, .	4.1	44
5	In silico MS/MS spectra for identifying unknowns: a critical examination using CFM-ID algorithms and ENTACT mixture samples. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1303-1315.	3.7	31
6	Examining NTA performance and potential using fortified and reference house dust as part of EPA's Non-Targeted Analysis Collaborative Trial (ENTACT). <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4221-4233.	3.7	22
7	Uncertainty estimation strategies for quantitative non-targeted analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4919-4933.	3.7	20
8	Expanded coverage of non-targeted LC-HRMS using atmospheric pressure chemical ionization: a case study with ENTACT mixtures. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4931-4939.	3.7	15
9	Site-specific phosphorylation of protein phosphatase 1 regulatory subunit 12A stimulated or suppressed by insulin. <i>Journal of Proteomics</i> , 2012, 75, 3342-3350.	2.4	13
10	A Single Mutation in the <i>Mycobacterium tuberculosis</i> Heme-Degrading Protein, MhuD, Results in Different Products. <i>Biochemistry</i> , 2019, 58, 489-492.	2.5	13
11	Revisiting Five Years of CASMI Contests with EPA Identification Tools. <i>Metabolites</i> , 2020, 10, 260.	2.9	12
12	Predicting compound amenability with liquid chromatography-mass spectrometry to improve non-targeted analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7495-7508.	3.7	12
13	The affinity of MhuD for heme is consistent with a heme degrading function <i>in vivo</i> . <i>Metallomics</i> , 2018, 10, 1560-1563.	2.4	11
14	Insulin-stimulated phosphorylation of protein phosphatase 1 regulatory subunit 12B revealed by HPLC-ESI-MS/MS. <i>Proteome Science</i> , 2012, 10, 52.	1.7	10
15	Integrative exposomic, transcriptomic, epigenomic analyses of human placental samples links understudied chemicals to preeclampsia. <i>Environment International</i> , 2022, 167, 107385.	10.0	6
16	Structure of a <i>Mycobacterium tuberculosis</i> Heme-Degrading Protein, MhuD, Variant in Complex with Its Product. <i>Biochemistry</i> , 2019, 58, 4610-4620.	2.5	3