

Drupad K Trivedi

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,163
citations

516215

16
h-index

610482

24
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all docs

28
docs citations

28
times ranked

1965
citing authors

#	ARTICLE	IF	CITATIONS
1	New cofactor supports $\hat{1},\hat{2}$ -unsaturated acid decarboxylation via 1,3-dipolar cycloaddition. <i>Nature</i> , 2015, 522, 497-501.	13.7	197
2	UbiX is a flavin prenyltransferase required for bacterial ubiquinone biosynthesis. <i>Nature</i> , 2015, 522, 502-506.	13.7	168
3	Taking your breath away: metabolomics breathes life in to personalized medicine. <i>Trends in Biotechnology</i> , 2014, 32, 538-548.	4.9	132
4	Electronic cigarette exposure triggers neutrophil inflammatory responses. <i>Respiratory Research</i> , 2016, 17, 56.	1.4	117
5	Meat, the metabolites: an integrated metabolite profiling and lipidomics approach for the detection of the adulteration of beef with pork. <i>Analyst, The</i> , 2016, 141, 2155-2164.	1.7	106
6	Quantitative Online Liquid Chromatographyâ€”Surface-Enhanced Raman Scattering (LC-SERS) of Methotrexate and its Major Metabolites. <i>Analytical Chemistry</i> , 2017, 89, 6702-6709.	3.2	63
7	Rapid, Accurate, and Quantitative Detection of Propranolol in Multiple Human Biofluids via Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2016, 88, 10884-10892.	3.2	52
8	Chicken, beams, and Campylobacter: rapid differentiation of foodborne bacteria via vibrational spectroscopy and MALDI-mass spectrometry. <i>Analyst, The</i> , 2016, 141, 111-122.	1.7	39
9	Two Glycerol-3-Phosphate Dehydrogenases from <i>Chlamydomonas</i> Have Distinct Roles in Lipid Metabolism. <i>Plant Physiology</i> , 2017, 174, 2083-2097.	2.3	36
10	High-throughput metabolic screening of microalgae genetic variation in response to nutrient limitation. <i>Metabolomics</i> , 2016, 12, 9.	1.4	35
11	The Application of SIMCA P+ in Shotgun Metabolomics Analysis of ZICâ€”HILIC-MS Spectra of Human Urine - Experience with the Shimadzu IT-T of and Profiling Solutions Data Extraction Software. <i>Journal of Chromatography & Separation Techniques</i> , 2012, 03, .	0.2	28
12	Shotgun metabolomic profiles in maternal urine identify potential mass spectral markers of abnormal fetal biochemistry â€” dihydrouracil and progesterone in the metabolism of Down syndrome. <i>Biomedical Chromatography</i> , 2015, 29, 1173-1183.	0.8	23
13	Do not just do it, do it right: urinary metabolomics â€” establishing clinically relevant baselines. <i>Biomedical Chromatography</i> , 2014, 28, 1491-1501.	0.8	22
14	HILICâ€”MSâ€”based shotgun metabolomic profiling of maternal urine at 9â€”23 weeks of gestation â€” establishing the baseline changes in the maternal metabolome. <i>Biomedical Chromatography</i> , 2015, 29, 240-245.	0.8	19
15	Metabolomics investigation of recombinant mTNF $\hat{1}$ production in <i>Streptomyces lividans</i> . <i>Microbial Cell Factories</i> , 2015, 14, 157.	1.9	18
16	Classification of Bacillus and Brevibacillus species using rapid analysis of lipids by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7865-7878.	1.9	17
17	A systematic analysis of TCA <i>Escherichia coli</i> mutants reveals suitable genetic backgrounds for enhanced hydrogen and ethanol production using glycerol as main carbon source. <i>Biotechnology Journal</i> , 2015, 10, 1750-1761.	1.8	16
18	Metabolomic analysis of riboswitch containing E. coli recombinant expression system. <i>Molecular BioSystems</i> , 2016, 12, 350-361.	2.9	16

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19	Multiomics implicate gut microbiota in altered lipid and energy metabolism in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2022, 8, 39.	2.5	12
20	Fractional Factorial Design of MALDI-TOF-MS Sample Preparations for the Optimized Detection of Phospholipids and Acylglycerols. <i>Analytical Chemistry</i> , 2016, 88, 6301-6308.	3.2	11
21	Metabolomics Analysis Reveals the Participation of Efflux Pumps and Ornithine in the Response of <i>Pseudomonas putida</i> DOT-T1E Cells to Challenge with Propranolol. <i>PLoS ONE</i> , 2016, 11, e0156509.	1.1	11
22	Development of Zwitterionic Hydrophilic Liquid Chromatography (ZIC-HILIC-MS) Metabolomics Method for Shotgun Analysis of Human Urine. <i>Journal of Chromatography & Separation Techniques</i> , 2012, 03, .	0.2	11
23	Metabolic analysis of the response of <i>Pseudomonas putida</i> DOT-T1E strains to toluene using Fourier transform infrared spectroscopy and gas chromatography mass spectrometry. <i>Metabolomics</i> , 2016, 12, 112.	1.4	9
24	Characterization of native protein structure with ion mobility mass spectrometry, multiplexed fragmentation strategies and multivariate analysis. <i>International Journal of Mass Spectrometry</i> , 2021, 464, 116588.	0.7	5
25	PWE-199 Metabolomic profiling in acute pancreatitis; in search of new biomarkers. <i>Gut</i> , 2015, 64, A299.2-A300.	6.1	0
26	PWE-200 Metabolomic profiling in pancreatic cancer; in search of new biomarkers. <i>Gut</i> , 2015, 64, A300.1-A300.	6.1	0
27	PTU-093 Metabolomic profiling in inflammatory bowel disease. <i>Gut</i> , 2015, 64, A102.1-A102.	6.1	0
28	Metabolic Fingerprinting of <i>Pseudomonas putida</i> DOT-T1E Strains: Understanding the Influence of Divalent Cations in Adaptation Mechanisms Following Exposure to Toluene. <i>Metabolites</i> , 2016, 6, 14.	1.3	0