Drupad K Trivedi

List of Publications by Year
in descending order

28 papers	1,163 citations	516710 16 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	1965 citing authors

#	Article	IF	Citations
1	Multiomics implicate gut microbiota in altered lipid and energy metabolism in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2022, 8, 39.	5.3	12
2	Characterization of native protein structure with ion mobility mass spectrometry, multiplexed fragmentation strategies and multivariant analysis. International Journal of Mass Spectrometry, 2021, 464, 116588.	1.5	5
3	Two Glycerol-3-Phosphate Dehydrogenases from Chlamydomonas Have Distinct Roles in Lipid Metabolism. Plant Physiology, 2017, 174, 2083-2097.	4.8	36
4	Quantitative Online Liquid Chromatographyâ€“Surface-Enhanced Raman Scattering (LC-SERS) of Methotrexate and its Major Metabolites. Analytical Chemistry, 2017, 89, 6702-6709.	6.5	63
5	Metabolic Fingerprinting of Pseudomonas putida DOT-T1E Strains: Understanding the Influence of Divalent Cations in Adaptation Mechanisms Following Exposure to Toluene. Metabolites, 2016, 6, 14.	2.9	0
6	Fractional Factorial Design of MALDI-TOF-MS Sample Preparations for the Optimized Detection of Phospholipids and Acylglycerols. Analytical Chemistry, 2016, 88, 6301-6308.	6.5	11
7	Classification of Bacillus and Brevibacillus species using rapid analysis of lipids by mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 7865-7878.	3.7	17
8	Rapid, Accurate, and Quantitative Detection of Propranolol in Multiple Human Biofluids via Surface-Enhanced Raman Scattering. Analytical Chemistry, 2016, 88, 10884-10892.	6.5	52
9	Electronic cigarette exposure triggers neutrophil inflammatory responses. Respiratory Research, 2016, 17, 56.	3.6	117
10	Metabolic analysis of the response of Pseudomonas putida DOT-T1E strains to toluene using Fourier transform infrared spectroscopy and gas chromatography mass spectrometry. Metabolomics, 2016, 12, 112.	3.0	9
11	Meat, the metabolites: an integrated metabolite profiling and lipidomics approach for the detection of the adulteration of beef with pork. Analyst, The, 2016, 141, 2155-2164.	3.5	106
12	High-throughput metabolic screening of microalgae genetic variation in response to nutrient limitation. Metabolomics, 2016, 12, 9.	3.0	35
13	Metabolomic analysis of riboswitch containing E. coli recombinant expression system. Molecular BioSystems, 2016, 12, 350-361.	2.9	16
14	Chicken, beams, and Campylobacter: rapid differentiation of foodborne bacteria via vibrational spectroscopy and MALDI-mass spectrometry. Analyst, The, 2016, 141, 111-122.	3.5	39
15	Metabolomics Analysis Reveals the Participation of Efflux Pumps and Ornithine in the Response of Pseudomonas putida DOT-T1E Cells to Challenge with Propranolol. PLoS ONE, 2016, 11, e0156509.	2.5	11
16	PWE-199ÂMetabolomic profiling in acute pancreatitis; in search of new biomarkers. Gut, 2015, 64, A299.2-A300.	12.1	0
17	PWE-200ÂMetabolomic profiling in pancreatic cancer; in search of new biomarkers. Gut, 2015, 64, A300.1-A300.	12.1	0
18	Metabolomics investigation of recombinant mTNFÎ± production in Streptomyces lividans. Microbial Cell Factories, 2015, 14, 157.	4.0	18

#	Article	IF	Citations
19	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. Biomedical Chromatography, 2015, 29, 1173-1183.	1.7	23
20	A systematic analysis of TCA Escherichia coli mutants reveals suitable genetic backgrounds for enhanced hydrogen and ethanol production using glycerol as main carbon source. Biotechnology Journal, 2015, 10, 1750-1761.	3.5	16
21	PTU-093ÂMetabolomic profiling in inflammatory bowel disease. Gut, 2015, 64, A102.1-A102.	12.1	0
22	UbiX is a flavin prenyltransferase required for bacterial ubiquinone biosynthesis. Nature, 2015, 522, 502-506.	27.8	168
23	New cofactor supports Î±,Î²-unsaturated acid decarboxylation via 1,3-dipolar cycloaddition. Nature, 2015, 522, 497-501.	27.8	197
24	HILICâ€MSâ€based shotgun metabolomic profiling of maternal urine at 9â€“23 weeks of gestation â€“ establishing the baseline changes in the maternal metabolome. Biomedical Chromatography, 2015, 29, 240-245.	1.7	19
25	Do not just do it, do it right: urinary metabolomics â€“establishing clinically relevant baselines. Biomedical Chromatography, 2014, 28, 1491-1501.	1.7	22
26	Taking your breath away: metabolomics breathes life in to personalized medicine. Trends in Biotechnology, 2014, 32, 538-548.	9.3	132
27	Development of Zwitterionic Hydrophilic Liquid Chromatography (ZICâ€‡HILIC-MS) Metabolomics Method for Shotgun Analysis of Human Urine. Journal of Chromatography & Separation Techniques, 2012, 03, .	0.2	11
28	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. Journal of Chromatography & Separation Techniques, 2012, 03, .	0.2	28