

# 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  
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 Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2022, 8, 39.	2.5	12
2	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
3	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
4	Quantitative Online Liquid Chromatography-Surface-Enhanced Raman Scattering (LC-SERS) of Methotrexate and its Major Metabolites. <i>Analytical Chemistry</i> , 2017, 89, 6702-6709.	3.2	63
5	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
6	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
7	Classification of <i>Bacillus</i> and <i>Brevibacillus</i> species using rapid analysis of lipids by mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7865-7878.	1.9	17
8	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
9	Electronic cigarette exposure triggers neutrophil inflammatory responses. <i>Respiratory Research</i> , 2016, 17, 56.	1.4	117
10	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
11	Meat, the metabolites: an integrated metabolite profiling and lipidomics approach for the detection of the adulteration of beef with pork. <i>Analyst</i> , The, 2016, 141, 2155-2164.	1.7	106
12	High-throughput metabolic screening of microalgae genetic variation in response to nutrient limitation. <i>Metabolomics</i> , 2016, 12, 9.	1.4	35
13	Metabolomic analysis of riboswitch containing <i>E. coli</i> recombinant expression system. <i>Molecular BioSystems</i> , 2016, 12, 350-361.	2.9	16
14	Chicken, beams, and <i>Campylobacter</i> : rapid differentiation of foodborne bacteria via vibrational spectroscopy and MALDI-mass spectrometry. <i>Analyst</i> , The, 2016, 141, 111-122.	1.7	39
15	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
16	PWE-199-Metabolomic profiling in acute pancreatitis; in search of new biomarkers. <i>Gut</i> , 2015, 64, A299.2-A300.	6.1	0
17	PWE-200-Metabolomic profiling in pancreatic cancer; in search of new biomarkers. <i>Gut</i> , 2015, 64, A300.1-A300.	6.1	0
18	Metabolomics investigation of recombinant mTNF $\alpha$ production in <i>Streptomyces lividans</i> . <i>Microbial Cell Factories</i> , 2015, 14, 157.	1.9	18

#	ARTICLE	IF	CITATIONS
19	Shotgun metabolomic profiles in maternal urine identify potential mass spectral markers of abnormal fetal biochemistry – dihydrouracil and progesterone in the metabolism of Down syndrome. <i>Biomedical Chromatography</i> , 2015, 29, 1173-1183.	0.8	23
20	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
21	PTU-093 – Metabolomic profiling in inflammatory bowel disease. <i>Gut</i> , 2015, 64, A102.1-A102.	6.1	0
22	UbiX is a flavin prenyltransferase required for bacterial ubiquinone biosynthesis. <i>Nature</i> , 2015, 522, 502-506.	13.7	168
23	New cofactor supports $\hat{\pm}, \hat{1}^2$ -unsaturated acid decarboxylation via 1,3-dipolar cycloaddition. <i>Nature</i> , 2015, 522, 497-501.	13.7	197
24	HILIC – MS – based shotgun metabolomic profiling of maternal urine at 9 – 23 weeks of gestation – establishing the baseline changes in the maternal metabolome. <i>Biomedical Chromatography</i> , 2015, 29, 240-245.	0.8	19
25	Do not just do it, do it right: urinary metabolomics – establishing clinically relevant baselines. <i>Biomedical Chromatography</i> , 2014, 28, 1491-1501.	0.8	22
26	Taking your breath away: metabolomics breathes life in to personalized medicine. <i>Trends in Biotechnology</i> , 2014, 32, 538-548.	4.9	132
27	Development of Zwitterionic Hydrophilic Liquid Chromatography (ZIC – HILIC-MS) Metabolomics Method for Shotgun Analysis of Human Urine. <i>Journal of Chromatography &amp; Separation Techniques</i> , 2012, 03, .	0.2	11
28	The Application of SIMCA P+ in Shotgun Metabolomics Analysis of ZIC – HILIC-MS Spectra of Human Urine - Experience with the Shimadzu IT-T of and Profiling Solutions Data Extraction Software. <i>Journal of Chromatography &amp; Separation Techniques</i> , 2012, 03, .	0.2	28