

Rupasri Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

10,783
citations

159358

30
h-index

128067

60
g-index

63
all docs

63
docs citations

63
times ranked

18404
citing authors

#	ARTICLE	IF	CITATIONS
1	HMDB 3.0â€”The Human Metabolome Database in 2013. <i>Nucleic Acids Research</i> , 2012, 41, D801-D807.	6.5	2,564
2	HMDB: a knowledgebase for the human metabolome. <i>Nucleic Acids Research</i> , 2009, 37, D603-D610.	6.5	1,649
3	The Human Serum Metabolome. <i>PLoS ONE</i> , 2011, 6, e16957.	1.1	1,378
4	The Human Urine Metabolome. <i>PLoS ONE</i> , 2013, 8, e73076.	1.1	1,125
5	MetaboAnalyst 2.0—a comprehensive server for metabolomic data analysis. <i>Nucleic Acids Research</i> , 2012, 40, W127-W133.	6.5	1,058
6	Exome Sequencing and the Management of Neurometabolic Disorders. <i>New England Journal of Medicine</i> , 2016, 374, 2246-2255.	13.9	254
7	Accurate, Fully-Automated NMR Spectral Profiling for Metabolomics. <i>PLoS ONE</i> , 2015, 10, e0124219.	1.1	206
8	The human saliva metabolome. <i>Metabolomics</i> , 2015, 11, 1864-1883.	1.4	195
9	YMDB: the Yeast Metabolome Database. <i>Nucleic Acids Research</i> , 2012, 40, D815-D820.	6.5	162
10	Metabolomic Fingerprint of Heart Failure with Preserved Ejection Fraction. <i>PLoS ONE</i> , 2015, 10, e0124844.	1.1	150
11	Chemical Composition of Commercial Cowâ€™s Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4897-4914.	2.4	139
12	The Bovine Ruminal Fluid Metabolome. <i>Metabolomics</i> , 2013, 9, 360-378.	1.4	130
13	ECMDB: The E. coli Metabolome Database. <i>Nucleic Acids Research</i> , 2012, 41, D625-D630.	6.5	122
14	Cancer Metabolomics and the Human Metabolome Database. <i>Metabolites</i> , 2016, 6, 10.	1.3	116
15	Multi-platform characterization of the human cerebrospinal fluid metabolome: a comprehensive and quantitative update. <i>Genome Medicine</i> , 2012, 4, 38.	3.6	113
16	Metabolomics and first-trimester prediction of early-onset preeclampsia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 1840-1847.	0.7	101
17	Interaction of Oxaliplatin, Cisplatin, and Carboplatin with Hemoglobin and the Resulting Release of a Heme Group. <i>Chemical Research in Toxicology</i> , 2004, 17, 1391-1397.	1.7	98
18	Metabolomics Profiling of Critically Ill Coronavirus Disease 2019 Patients: Identification of Diagnostic and Prognostic Biomarkers. , 2020, 2, e0272.		92

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19	The Metabolomic Profile of Umbilical Cord Blood in Neonatal Hypoxic Ischaemic Encephalopathy. <i>PLoS ONE</i> , 2012, 7, e50520.	1.1	84
20	Microbiome and metabolome modifying effects of several cardiovascular disease interventions in apo-E ^{-/-} /A ^{-/-} mice. <i>Microbiome</i> , 2017, 5, 30.	4.9	83
21	The Bovine Metabolome. <i>Metabolites</i> , 2020, 10, 233.	1.3	77
22	First-trimester metabolomic detection of late-onset preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 208, 58.e1-58.e7.	0.7	60
23	Clinical phenotype clustering in cardiovascular risk patients for the identification of responsive metabolotypes after red wine polyphenol intake. <i>Journal of Nutritional Biochemistry</i> , 2016, 28, 114-120.	1.9	53
24	Metabolome analysis of 20 taxonomically related benzylisoquinoline alkaloid-producing plants. <i>BMC Plant Biology</i> , 2015, 15, 220.	1.6	49
25	Metabolomic prediction of fetal congenital heart defect in the first trimester. <i>American Journal of Obstetrics and Gynecology</i> , 2014, 211, 240.e1-240.e14.	0.7	48
26	Metabolomic analysis for first-trimester Down syndrome prediction. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 208, 371.e1-371.e8.	0.7	39
27	Comprehensive Targeted Metabolomic Assay for Urine Analysis. <i>Analytical Chemistry</i> , 2020, 92, 10627-10634.	3.2	39
28	Comparison of the metabolomic profiles of irritable bowel syndrome patients with ulcerative colitis patients and healthy controls: new insights into pathophysiology and potential biomarkers. <i>Alimentary Pharmacology and Therapeutics</i> , 2019, 49, 723-732.	1.9	37
29	Studies of cisplatin and hemoglobin interactions using nanospray mass spectrometry and liquid chromatography with inductively-coupled plasma mass spectrometry. <i>Analyst</i> , 2003, 128, 629.	1.7	33
30	Characterization of Intact Hemoglobin and Oxaliplatin Interaction by Nanoelectrospray Ionization Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2005, 51, 2274-2281.	1.5	33
31	Intact human holo-transferrin interaction with oxaliplatin. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1956-1962.	0.7	31
32	Mass spectrometric studies of cisplatin-induced changes of hemoglobin. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2748-2754.	0.7	28
33	Dietary and metabolomic determinants of relapse in ulcerative colitis patients: A pilot prospective cohort study. <i>World Journal of Gastroenterology</i> , 2017, 23, 3890.	1.4	28
34	Urinary Metabolomics for Noninvasive Detection of Antibody-Mediated Rejection in Children After Kidney Transplantation. <i>Transplantation</i> , 2017, 101, 2553-2561.	0.5	26
35	A Distinctive Urinary Metabolomic Fingerprint Is Linked With Endoscopic Postoperative Disease Recurrence in Crohn's Disease Patients. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 861-870.	0.9	24
36	Metabolomic prediction of endometrial cancer. <i>Metabolomics</i> , 2018, 14, 6.	1.4	24

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37	Mass spectrometry study of hemoglobin-oxaliplatin complexes in colorectal cancer patients and potential association with chemotherapeutic responses. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2533-2538.	0.7	22
38	Serum metabolomic markers for traumatic brain injury: a mouse model. <i>Metabolomics</i> , 2016, 12, 1.	1.4	22
39	Direct evidence for co-binding of cisplatin and cadmium to a native zinc- and cadmium-containing metallothionein. <i>Applied Organometallic Chemistry</i> , 2003, 17, 675-681.	1.7	21
40	The Urinary Metabolome of Healthy Newborns. <i>Metabolites</i> , 2020, 10, 165.	1.3	20
41	Metabolomic analysis for first-trimester trisomy 18 detection. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 209, 65.e1-65.e9.	0.7	19
42	Detecting Renal Allograft Inflammation Using Quantitative Urine Metabolomics and CXCL10. <i>Transplantation Direct</i> , 2016, 2, e78.	0.8	19
43	Top-down characterization of proteins and drug-protein complexes using nanoelectrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 48-52.	0.7	18
44	Identification of candidate biomarkers of brain damage in a mouse model of closed head injury: a metabolomic pilot study. <i>Metabolomics</i> , 2016, 12, 1.	1.4	15
45	Targeted Metabolic Profiling of Post-Mortem Brain from Infants Who Died from Sudden Infant Death Syndrome. <i>Journal of Proteome Research</i> , 2017, 16, 2587-2596.	1.8	15
46	The role of the Human Metabolome Database in inborn errors of metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 329-336.	1.7	15
47	Evolution of renal function and urinary biomarker indicators of inflammation on serial kidney biopsies in pediatric kidney transplant recipients with and without rejection. <i>Pediatric Transplantation</i> , 2018, 22, e13202.	0.5	15
48	Investigation of interaction between human hemoglobin A ₀ and platinum anticancer drugs by capillary isoelectric focusing with whole column imaging detection. <i>Journal of Separation Science</i> , 2008, 31, 1803-1809.	1.3	14
49	Metabolomic Analysis of Cold Acclimation of Arctic Mesorhizobium sp. Strain N33. <i>PLoS ONE</i> , 2013, 8, e84801.	1.1	13
50	Mass-spec-based urinary metabotyping around parturition identifies screening biomarkers for subclinical mastitis in dairy cows. <i>Research in Veterinary Science</i> , 2020, 129, 39-52.	0.9	12
51	A Multi-Platform Metabolomics Approach Identifies Urinary Metabolite Signatures That Differentiate Ketotic From Healthy Dairy Cows. <i>Frontiers in Veterinary Science</i> , 2021, 8, 595983.	0.9	12
52	Identification of serum metabolites associated with the risk of metritis in transition dairy cows. <i>Canadian Journal of Animal Science</i> , 2018, 98, 525-537.	0.7	10
53	Milk Metabotyping Identifies Metabolite Alterations in the Whole Raw Milk of Dairy Cows with Lameness. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4507-4514.	2.4	10
54	Urinary Metabolomics around Parturition Identifies Metabolite Alterations in Dairy Cows Affected Postpartum by Lameness: Preliminary Study. <i>Dairy</i> , 2020, 1, 2.	0.7	9

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55	Serum metabolomics identifies metabolite panels that differentiate lame dairy cows from healthy ones. <i>Metabolomics</i> , 2020, 16, 73.	1.4	6
56	A Targeted Serum Metabolomics GC-MS Approach Identifies Predictive Blood Biomarkers for Retained Placenta in Holstein Dairy Cows. <i>Metabolites</i> , 2021, 11, 633.	1.3	5
57	Identification of Serum-Predictive Biomarkers for Subclinical Mastitis in Dairy Cows and New Insights into the Pathobiology of the Disease. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1724-1746.	2.4	5
58	Metallotyping of ketotic dairy cows reveals major alterations preceding, associating, and following the disease occurrence. <i>Metabolomics</i> , 2017, 13, 1.	1.4	4
59	CpG-ODN induced antimicrobial immunity in neonatal chicks involves a substantial shift in serum metabolic profiles. <i>Scientific Reports</i> , 2021, 11, 9028.	1.6	3
60	Growth of Malignant Non-CNS Tumors Alters Brain Metabolome. <i>Frontiers in Genetics</i> , 2018, 9, 41.	1.1	2
61	Metabolomic Fingerprint of Behavioral Changes in Response to Full-Spectrum Cannabis Extracts. <i>Frontiers in Pharmacology</i> , 2022, 13, 831052.	1.6	2
62	Urinary Organic Acids Increase After Clinical Stabilization of Hospitalized Children With Severe Acute Malnutrition. <i>Food and Nutrition Bulletin</i> , 2019, 40, 532-543.	0.5	0