

# Rupasri Mandal

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

10,783  
citations

159585

30  
h-index

128289

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. Nucleic Acids Research, 2012, 41, D801-D807.	14.5	2,564
2	HMDB: a knowledgebase for the human metabolome. Nucleic Acids Research, 2009, 37, D603-D610.	14.5	1,649
3	The Human Serum Metabolome. PLoS ONE, 2011, 6, e16957.	2.5	1,378
4	The Human Urine Metabolome. PLoS ONE, 2013, 8, e73076.	2.5	1,125
5	MetaboAnalyst 2.0--a comprehensive server for metabolomic data analysis. Nucleic Acids Research, 2012, 40, W127-W133.	14.5	1,058
6	Exome Sequencing and the Management of Neurometabolic Disorders. New England Journal of Medicine, 2016, 374, 2246-2255.	27.0	254
7	Accurate, Fully-Automated NMR Spectral Profiling for Metabolomics. PLoS ONE, 2015, 10, e0124219.	2.5	206
8	The human saliva metabolome. Metabolomics, 2015, 11, 1864-1883.	3.0	195
9	YMDB: the Yeast Metabolome Database. Nucleic Acids Research, 2012, 40, D815-D820.	14.5	162
10	Metabolomic Fingerprint of Heart Failure with Preserved Ejection Fraction. PLoS ONE, 2015, 10, e0124844.	2.5	150
11	Chemical Composition of Commercial Cowâ€™s Milk. Journal of Agricultural and Food Chemistry, 2019, 67, 4897-4914.	5.2	139
12	The Bovine Ruminal Fluid Metabolome. Metabolomics, 2013, 9, 360-378.	3.0	130
13	ECMDB: The E. coli Metabolome Database. Nucleic Acids Research, 2012, 41, D625-D630.	14.5	122
14	Cancer Metabolomics and the Human Metabolome Database. Metabolites, 2016, 6, 10.	2.9	116
15	Multi-platform characterization of the human cerebrospinal fluid metabolome: a comprehensive and quantitative update. Genome Medicine, 2012, 4, 38.	8.2	113
16	Metabolomics and first-trimester prediction of early-onset preeclampsia. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1840-1847.	1.5	101
17	Interaction of Oxaliplatin, Cisplatin, and Carboplatin with Hemoglobin and the Resulting Release of a Heme Group. Chemical Research in Toxicology, 2004, 17, 1391-1397.	3.3	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. PLoS ONE, 2012, 7, e50520.	2.5	84
20	Microbiome and metabolome modifying effects of several cardiovascular disease interventions in apo-E <sup>-/-</sup> /A <sup>-/-</sup> mice. Microbiome, 2017, 5, 30.	11.1	83
21	The Bovine Metabolome. Metabolites, 2020, 10, 233.	2.9	77
22	First-trimester metabolomic detection of late-onset preeclampsia. American Journal of Obstetrics and Gynecology, 2013, 208, 58.e1-58.e7.	1.3	60
23	Clinical phenotype clustering in cardiovascular risk patients for the identification of responsive metabolotypes after red wine polyphenol intake. Journal of Nutritional Biochemistry, 2016, 28, 114-120.	4.2	53
24	Metabolome analysis of 20 taxonomically related benzylisoquinoline alkaloid-producing plants. BMC Plant Biology, 2015, 15, 220.	3.6	49
25	Metabolomic prediction of fetal congenital heart defect in the first trimester. American Journal of Obstetrics and Gynecology, 2014, 211, 240.e1-240.e14.	1.3	48
26	Metabolomic analysis for first-trimester Down syndrome prediction. American Journal of Obstetrics and Gynecology, 2013, 208, 371.e1-371.e8.	1.3	39
27	Comprehensive Targeted Metabolomic Assay for Urine Analysis. Analytical Chemistry, 2020, 92, 10627-10634.	6.5	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. Alimentary Pharmacology and Therapeutics, 2019, 49, 723-732.	3.7	37
29	Studies of cisplatin and hemoglobin interactions using nanospray mass spectrometry and liquid chromatography with inductively-coupled plasma mass spectrometry. Analyst, The, 2003, 128, 629.	3.5	33
30	Characterization of Intact Hemoglobin and Oxaliplatin Interaction by Nanoelectrospray Ionization Tandem Mass Spectrometry. Clinical Chemistry, 2005, 51, 2274-2281.	3.2	33
31	Intact human holo-transferrin interaction with oxaliplatin. Rapid Communications in Mass Spectrometry, 2005, 19, 1956-1962.	1.5	31
32	Mass spectrometric studies of cisplatin-induced changes of hemoglobin. Rapid Communications in Mass Spectrometry, 2003, 17, 2748-2754.	1.5	28
33	Dietary and metabolomic determinants of relapse in ulcerative colitis patients: A pilot prospective cohort study. World Journal of Gastroenterology, 2017, 23, 3890.	3.3	28
34	Urinary Metabolomics for Noninvasive Detection of Antibody-Mediated Rejection in Children After Kidney Transplantation. Transplantation, 2017, 101, 2553-2561.	1.0	26
35	A Distinctive Urinary Metabolomic Fingerprint Is Linked With Endoscopic Postoperative Disease Recurrence in Crohn's Disease Patients. Inflammatory Bowel Diseases, 2018, 24, 861-870.	1.9	24
36	Metabolomic prediction of endometrial cancer. Metabolomics, 2018, 14, 6.	3.0	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.	1.5	22
38	Serum metabolomic markers for traumatic brain injury: a mouse model. <i>Metabolomics</i> , 2016, 12, 1.	3.0	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.	3.5	21
40	The Urinary Metabolome of Healthy Newborns. <i>Metabolites</i> , 2020, 10, 165.	2.9	20
41	Metabolomic analysis for first-trimester trisomy 18 detection. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 209, 65.e1-65.e9.	1.3	19
42	Detecting Renal Allograft Inflammation Using Quantitative Urine Metabolomics and CXCL10. <i>Transplantation Direct</i> , 2016, 2, e78.	1.6	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.	1.5	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.	3.0	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.	3.7	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.	3.6	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.	1.0	15
48	Investigation of interaction between human hemoglobin A <sub>0</sub> and platinum anticancer drugs by capillary isoelectric focusing with whole column imaging detection. <i>Journal of Separation Science</i> , 2008, 31, 1803-1809.	2.5	14
49	Metabolomic Analysis of Cold Acclimation of Arctic <i>Mesorhizobium</i> sp. Strain N33. <i>PLoS ONE</i> , 2013, 8, e84801.	2.5	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.	1.9	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.	2.2	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.	1.5	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.	5.2	10
54	Urinary Metabolomics around Parturition Identifies Metabolite Alterations in Dairy Cows Affected Postpartum by Lameness: Preliminary Study. <i>Dairy</i> , 2020, 1, 2.	2.0	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.	3.0	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.	2.9	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.	5.2	5
58	Metallotyping of ketotic dairy cows reveals major alterations preceding, associating, and following the disease occurrence. <i>Metabolomics</i> , 2017, 13, 1.	3.0	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.	3.3	3
60	Growth of Malignant Non-CNS Tumors Alters Brain Metabolome. <i>Frontiers in Genetics</i> , 2018, 9, 41.	2.3	2
61	Metabolomic Fingerprint of Behavioral Changes in Response to Full-Spectrum Cannabis Extracts. <i>Frontiers in Pharmacology</i> , 2022, 13, 831052.	3.5	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.	1.4	0