

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
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63
all docs

63
docs citations

63
times ranked

18404
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomic Fingerprint of Behavioral Changes in Response to Full-Spectrum Cannabis Extracts. <i>Frontiers in Pharmacology</i> , 2022, 13, 831052.	3.5	2
2	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
3	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
4	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
5	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
6	Mass-spec-based urinary metabolotyping around parturition identifies screening biomarkers for subclinical mastitis in dairy cows. <i>Research in Veterinary Science</i> , 2020, 129, 39-52.	1.9	12
7	Metabolomics Profiling of Critically Ill Coronavirus Disease 2019 Patients: Identification of Diagnostic and Prognostic Biomarkers. , 2020, 2, e0272.		92
8	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
9	The Bovine Metabolome. <i>Metabolites</i> , 2020, 10, 233.	2.9	77
10	Serum metabolomics identifies metabolite panels that differentiate lame dairy cows from healthy ones. <i>Metabolomics</i> , 2020, 16, 73.	3.0	6
11	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
12	Comprehensive Targeted Metabolomic Assay for Urine Analysis. <i>Analytical Chemistry</i> , 2020, 92, 10627-10634.	6.5	39
13	The Urinary Metabolome of Healthy Newborns. <i>Metabolites</i> , 2020, 10, 165.	2.9	20
14	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
15	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.	3.7	37
16	Chemical Composition of Commercial Cowâ€™s Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4897-4914.	5.2	139
17	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
18	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

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19	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.	1.9	24
20	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
21	Metabolomic prediction of endometrial cancer. <i>Metabolomics</i> , 2018, 14, 6.	3.0	24
22	Growth of Malignant Non-CNS Tumors Alters Brain Metabolome. <i>Frontiers in Genetics</i> , 2018, 9, 41.	2.3	2
23	Urinary Metabolomics for Noninvasive Detection of Antibody-Mediated Rejection in Children After Kidney Transplantation. <i>Transplantation</i> , 2017, 101, 2553-2561.	1.0	26
24	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
25	Microbiome and metabolome modifying effects of several cardiovascular disease interventions in apoE ^{-/-} mice. <i>Microbiome</i> , 2017, 5, 30.	11.1	83
26	Metallotyping of ketotic dairy cows reveals major alterations preceding, associating, and following the disease occurrence. <i>Metabolomics</i> , 2017, 13, 1.	3.0	4
27	Dietary and metabolomic determinants of relapse in ulcerative colitis patients: A pilot prospective cohort study. <i>World Journal of Gastroenterology</i> , 2017, 23, 3890.	3.3	28
28	Cancer Metabolomics and the Human Metabolome Database. <i>Metabolites</i> , 2016, 6, 10.	2.9	116
29	Exome Sequencing and the Management of Neurometabolic Disorders. <i>New England Journal of Medicine</i> , 2016, 374, 2246-2255.	27.0	254
30	Serum metabolomic markers for traumatic brain injury: a mouse model. <i>Metabolomics</i> , 2016, 12, 1.	3.0	22
31	Detecting Renal Allograft Inflammation Using Quantitative Urine Metabolomics and CXCL10. <i>Transplantation Direct</i> , 2016, 2, e78.	1.6	19
32	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.	4.2	53
33	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
34	Accurate, Fully-Automated NMR Spectral Profiling for Metabolomics. <i>PLoS ONE</i> , 2015, 10, e0124219.	2.5	206
35	Metabolome analysis of 20 taxonomically related benzylisoquinoline alkaloid-producing plants. <i>BMC Plant Biology</i> , 2015, 15, 220.	3.6	49
36	The human saliva metabolome. <i>Metabolomics</i> , 2015, 11, 1864-1883.	3.0	195

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37	Metabolomic Fingerprint of Heart Failure with Preserved Ejection Fraction. PLoS ONE, 2015, 10, e0124844.	2.5	150
38	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
39	The Bovine Ruminal Fluid Metabolome. Metabolomics, 2013, 9, 360-378.	3.0	130
40	Metabolomic analysis for first-trimester trisomy 18 detection. American Journal of Obstetrics and Gynecology, 2013, 209, 65.e1-65.e9.	1.3	19
41	Metabolomic analysis for first-trimester Down syndrome prediction. American Journal of Obstetrics and Gynecology, 2013, 208, 371.e1-371.e8.	1.3	39
42	First-trimester metabolomic detection of late-onset preeclampsia. American Journal of Obstetrics and Gynecology, 2013, 208, 58.e1-58.e7.	1.3	60
43	The Human Urine Metabolome. PLoS ONE, 2013, 8, e73076.	2.5	1,125
44	Metabolomic Analysis of Cold Acclimation of Arctic Mesorhizobium sp. Strain N33. PLoS ONE, 2013, 8, e84801.	2.5	13
45	ECMDB: The E. coli Metabolome Database. Nucleic Acids Research, 2012, 41, D625-D630.	14.5	122
46	Metabolomics and first-trimester prediction of early-onset preeclampsia. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1840-1847.	1.5	101
47	YMDB: the Yeast Metabolome Database. Nucleic Acids Research, 2012, 40, D815-D820.	14.5	162
48	HMDB 3.0â€”The Human Metabolome Database in 2013. Nucleic Acids Research, 2012, 41, D801-D807.	14.5	2,564
49	MetaboAnalyst 2.0—a comprehensive server for metabolomic data analysis. Nucleic Acids Research, 2012, 40, W127-W133.	14.5	1,058
50	Multi-platform characterization of the human cerebrospinal fluid metabolome: a comprehensive and quantitative update. Genome Medicine, 2012, 4, 38.	8.2	113
51	The Metabolomic Profile of Umbilical Cord Blood in Neonatal Hypoxic Ischaemic Encephalopathy. PLoS ONE, 2012, 7, e50520.	2.5	84
52	The Human Serum Metabolome. PLoS ONE, 2011, 6, e16957.	2.5	1,378
53	HMDB: a knowledgebase for the human metabolome. Nucleic Acids Research, 2009, 37, D603-D610.	14.5	1,649
54	Investigation of interaction between human hemoglobin A₀ and platinum anticancer drugs by capillary isoelectric focusing with whole column imaging detection. Journal of Separation Science, 2008, 31, 1803-1809.	2.5	14

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55	Top-down characterization of proteins and drug-protein complexes using nanoelectrospray tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2006, 20, 48-52.	1.5	18
56	Mass spectrometry study of hemoglobin-oxaliplatin complexes in colorectal cancer patients and potential association with chemotherapeutic responses. Rapid Communications in Mass Spectrometry, 2006, 20, 2533-2538.	1.5	22
57	Intact human holo-transferrin interaction with oxaliplatin. Rapid Communications in Mass Spectrometry, 2005, 19, 1956-1962.	1.5	31
58	Characterization of Intact Hemoglobin and Oxaliplatin Interaction by Nanoelectrospray Ionization Tandem Mass Spectrometry. Clinical Chemistry, 2005, 51, 2274-2281.	3.2	33
59	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
60	Direct evidence for co-binding of cisplatin and cadmium to a native zinc- and cadmium-containing metallothionein. Applied Organometallic Chemistry, 2003, 17, 675-681.	3.5	21
61	Mass spectrometric studies of cisplatin-induced changes of hemoglobin. Rapid Communications in Mass Spectrometry, 2003, 17, 2748-2754.	1.5	28
62	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