

# Arjun Sengupta

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,611  
citations

394421

19  
h-index

377865

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2900  
citing authors

#	ARTICLE	IF	CITATIONS
1	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. <i>Cell Reports</i> , 2016, 17, 1037-1052.	6.4	282
2	MYC Disrupts the Circadian Clock and Metabolism in Cancer Cells. <i>Cell Metabolism</i> , 2015, 22, 1009-1019.	16.2	217
3	Clock Regulation of Metabolites Reveals Coupling between Transcription and Metabolism. <i>Cell Metabolism</i> , 2017, 25, 961-974.e4.	16.2	162
4	<i>Candida albicans</i> stimulates <i>Streptococcus mutans</i> microcolony development via cross-kingdom biofilm-derived metabolites. <i>Scientific Reports</i> , 2017, 7, 41332.	3.3	148
5	Oxalic acid and diacylglycerol 36:3 are cross-species markers of sleep debt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2569-2574.	7.1	121
6	Metabolic Fingerprints of Serum, Brain, and Liver Are Distinct for Mice with Cerebral and Noncerebral Malaria: A <sup>1</sup> H NMR Spectroscopy-Based Metabonomic Study. <i>Journal of Proteome Research</i> , 2012, 11, 4992-5004.	3.7	60
7	ACSS2-mediated acetyl-CoA synthesis from acetate is necessary for human cytomegalovirus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1528-E1535.	7.1	57
8	Identification of biochemical differences between different forms of male infertility by nuclear magnetic resonance (NMR) spectroscopy. <i>Journal of Assisted Reproduction and Genetics</i> , 2014, 31, 1195-1204.	2.5	53
9	A stromal Integrated Stress Response activates perivascular cancer-associated fibroblasts to drive angiogenesis and tumour progression. <i>Nature Cell Biology</i> , 2022, 24, 940-953.	10.3	52
10	Global host metabolic response to <i>Plasmodium vivax</i> infection: a <sup>1</sup> H NMR based urinary metabonomic study. <i>Malaria Journal</i> , 2011, 10, 384.	2.3	34
11	Single episode of mild murine malaria induces neuroinflammation, alters microglial profile, impairs adult neurogenesis, and causes deficits in social and anxiety-like behavior. <i>Brain, Behavior, and Immunity</i> , 2014, 42, 123-137.	4.1	32
12	Altered diurnal states in insomnia reflect peripheral hyperarousal and metabolic desynchrony: a preliminary study. <i>Sleep</i> , 2018, 41, .	1.1	30
13	Independent Effects of <sup>13</sup> C-Aminobutyric Acid Transaminase (GABAT) on Metabolic and Sleep Homeostasis. <i>Journal of Biological Chemistry</i> , 2015, 290, 20407-20416.	3.4	29
14	Host metabolic responses to <i>Plasmodium falciparum</i> infections evaluated by <sup>1</sup> H NMR metabolomics. <i>Molecular BioSystems</i> , 2016, 12, 3324-3332.	2.9	27
15	Early prediction of cerebral malaria by <sup>1</sup> H NMR based metabolomics. <i>Malaria Journal</i> , 2016, 15, 198.	2.3	25
16	Sleep restriction induced energy, methylation and lipogenesis metabolic switches in rat liver. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 93, 129-135.	2.8	25
17	Time is ripe: maturation of metabolomics in chronobiology. <i>Current Opinion in Biotechnology</i> , 2017, 43, 70-76.	6.6	24
18	Deciphering the Duality of Clock and Growth Metabolism in a Cell Autonomous System Using NMR Profiling of the Secretome. <i>Metabolites</i> , 2016, 6, 23.	2.9	20

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19	Multivariate modelling with <sup>1</sup> H NMR of pleural effusion in murine cerebral malaria. <i>Malaria Journal</i> , 2011, 10, 330.	2.3	18
20	Metabolic Perturbations of Kidney and Spleen in Murine Cerebral Malaria: <sup>1</sup> H NMR-Based Metabolomic Study. <i>PLoS ONE</i> , 2013, 8, e73113.	2.5	17
21	SOFAST-HMQC—“an efficient tool for metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6731-6738.	3.7	17
22	Quantitative metabolic profiling of NMR spectral signatures of branched chain amino acids in blood serum. <i>Amino Acids</i> , 2015, 47, 2229-2236.	2.7	16
23	<sup>1</sup> H NMR Metabonomics Indicates Continued Metabolic Changes and Sexual Dimorphism Post-Parasite Clearance in Self-Limiting Murine Malaria Model. <i>PLoS ONE</i> , 2013, 8, e66954.	2.5	16
24	Liver Metabolic Alterations and Changes in Host Intercompartmental Metabolic Correlation during Progression of Malaria. <i>Journal of Parasitology Research</i> , 2011, 2011, 1-14.	1.2	13
25	Metabolomic changes in vertebrate host during malaria disease progression. <i>Cytokine</i> , 2018, 112, 32-43.	3.2	13
26	NMR Spectroscopy—Based Metabolic Profiling of Biospecimens. <i>Current Protocols in Protein Science</i> , 2019, 98, e98.	2.8	11
27	Early Perturbations in Glucose Utilization in Malaria-Infected Murine Erythrocytes, Liver and Brain Observed by Metabolomics. <i>Metabolites</i> , 2020, 10, 277.	2.9	11
28	Metabolomic analysis of urine samples of vivax malaria in-patients for biomarker identification. <i>Metabolomics</i> , 2015, 11, 1351-1362.	3.0	9
29	Metabolism of sleep and aging: Bridging the gap using metabolomics. <i>Nutrition and Healthy Aging</i> , 2019, 5, 167-184.	1.1	7
30	Metabolites as Prognostic Markers for Metastatic Non-Small Cell Lung Cancer (NSCLC) Patients Treated with First-Line Platinum-Doublet Chemotherapy. <i>Cancers</i> , 2020, 12, 1926.	3.7	7
31	Effect of Nanoparticle Synthetic Conditions on Ligand Coating Integrity and Subsequent Nano-Biointeractions. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58401-58410.	8.0	7
32	A Urine <sup>1</sup> H NMR based metabonomic approach to understand the host metabolic response towards Plasmodium vivax infection. , 2010, , .		2
33	Brain and Hepatic Glucose Utilization in Malarial Infection Does Not Depend on Cerebral Symptoms of the Disease. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2019, 2019, 1-7.	0.5	1
34	NMR Spectroscopy of Urine. <i>New Developments in NMR</i> , 2018, , 39-84.	0.1	1
35	Treatment of Insomnia with Zaleplon in HIV+ Significantly Improves Sleep and Depression. <i>Psychopharmacology Bulletin</i> , 2021, 51, 50-64.	0.0	0
36	0426 Shallower sleep depth in the laboratory is not related to insomnia severity. <i>Sleep</i> , 2022, 45, A189-A190.	1.1	0