Shuzhao Li

List of Publications by Year
in descending order

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67 papers	11,952 citations	136740 32 h-index	102304 66 g-index
73 all docs	73 docs citations	73 times ranked	19308 citing authors

#	Article	IF	Citations
1	Evaluating Coâ€occurrence as a Criterion for Identification of Undocumented Xenobiotic Exposures in Human Metabolomics. FASEB Journal, 2022, 36, .	0.2	0
2	A Practical Guide to Metabolomics Software Development. Analytical Chemistry, 2021, 93, 1912-1923.	3.2	30
3	Enzymeâ€Based Chemical Identification for Metabolomics. FASEB Journal, 2021, 35, .	0.2	2
4	Pooling Strategies to Improve Throughput of High Resolution Mass Spectrometryâ€Based Analysis of Xenobiotic Metabolites Generated from Huh7 Human Hepatoma Cell Lines Transduced with P450 Enzymes. FASEB Journal, 2021, 35, .	0.2	0
5	MetaboAnalyst 5.0: narrowing the gap between raw spectra and functional insights. Nucleic Acids Research, 2021, 49, W388-W396.	6.5	2,221
6	Large scale enzyme based xenobiotic identification for exposomics. Nature Communications, 2021, 12, 5418.	5.8	18
7	Clinical recovery of Macaca fascicularis infected with Plasmodium knowlesi. Malaria Journal, 2021, 20, 486.	0.8	8
8	Metabolome Wide Association Study of serum DDT and DDE in Pregnancy and Early Postpartum. Reproductive Toxicology, 2020, 92, 129-137.	1.3	25
9	Regulating colonic dendritic cells by commensal glycosylated large surface layer protein A to sustain gut homeostasis against pathogenic inflammation. Mucosal Immunology, 2020, 13, 34-46.	2.7	15
10	Understanding mixed environmental exposures using metabolomics via a hierarchical community network model in a cohort of California women in 1960â€™s. Reproductive Toxicology, 2020, 92, 57-65.	1.3	26
11	Transcriptomic and Metabolic Responses to a Live-Attenuated Francisella tularensis Vaccine. Vaccines, 2020, 8, 412.	2.1	17
12	Addressing the batch effect issue for LC/MS metabolomics data in data preprocessing. Scientific Reports, 2020, 10, 13856.	1.6	28
13	MetaboAnalystR 3.0: Toward an Optimized Workflow for Global Metabolomics. Metabolites, 2020, 10, 186.	1.3	359
14	Cloudâ€based archived metabolomics data: A resource for inâ€source fragmentation/annotation, metaâ€analysis and systems biology. Analytical Science Advances, 2020, 1, 70-80.	1.2	3
15	Early Pregnancy Serum Metabolite Profiles Associated with Hypertensive Disorders of Pregnancy in African American Women: A Pilot Study. Journal of Pregnancy, 2020, 2020, 1-13.	1.1	8
16	Metabolites and metabolic pathways associated with glucocorticoid resistance in pregnant African-American women. Comprehensive Psychoneuroendocrinology, 2020, 1-2, 100001.	0.7	5
17	Reprint of â€œMetabolome Wide Association Study of Serum Poly and Perfluoroalkyl Substances (PFASs) in Pregnancy and Early Postpartumâ€. Reproductive Toxicology, 2020, 92, 120-128.	1.3	7
18	The Essential Toolbox of Data Science: Python, R, Git, and Docker. Methods in Molecular Biology, 2020, 2104, 265-311.	0.4	11

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19	Pathway Analysis for Targeted and Untargeted Metabolomics. Methods in Molecular Biology, 2020, 2104, 387-400.	0.4	35
20	Network-Based Approaches for Multi-omics Integration. Methods in Molecular Biology, 2020, 2104, 469-487.	0.4	38
21	Tryptophan catabolism reflects disease activity in human tuberculosis. JCI Insight, 2020, 5, .	2.3	44
22	A Bioinformatics Primer to Data Science, with Examples for Metabolomics. Methods in Molecular Biology, 2020, 2104, 245-263.	0.4	6
23	Distinct amino acid and lipid perturbations characterize acute versus chronic malaria. JCI Insight, 2019, 4, .	2.3	46
24	Antibiotics-Driven Gut Microbiome Perturbation Alters Immunity to Vaccines in Humans. Cell, 2019, 178, 1313-1328.e13.	13.5	402
25	Metabolic perturbations in classic galactosemia beyond the Leloir pathway: Insights from an untargeted metabolomic study. Journal of Inherited Metabolic Disease, 2019, 42, 254-263.	1.7	10
26	The Effect of Anticoagulants, Temperature, and Time on the Human Plasma Metabolome and Lipidome from Healthy Donors as Determined by Liquid Chromatography-Mass Spectrometry. Biomolecules, 2019, 9, 200.	1.8	33
27	Metabolome Wide Association Study of Serum Poly and Perfluoroalkyl Substances (PFASs) in Pregnancy and Early Postpartum. Reproductive Toxicology, 2019, 87, 70-78.	1.3	30
28	Neonatal intestinal immune regulation by the commensal bacterium, P. UF1. Mucosal Immunology, 2019, 12, 434-444.	2.7	17
29	Integrative metabolomics and transcriptomics signatures of clinical tolerance to Plasmodium vivax reveal activation of innate cell immunity and T cell signaling. Redox Biology, 2018, 17, 158-170.	3.9	59
30	Integrative Analysis of Transcriptomic and Metabolomic Data via Sparse Canonical Correlation Analysis with Incorporation of Biological Information. Biometrics, 2018, 74, 300-312.	0.8	19
31	MetaboAnalyst 4.0: towards more transparent and integrative metabolomics analysis. Nucleic Acids Research, 2018, 46, W486-W494.	6.5	3,199
32	Metabolomics, Complex Exposures, and Multi-Omics Integration. ISEE Conference Abstracts, 2018, 2018, .	0.0	0
33	Plasma metabolomics in adults with cystic fibrosis during a pulmonary exacerbation: A pilot randomized study of high-dose vitamin D 3 administration. Metabolism: Clinical and Experimental, 2017, 70, 31-41.	1.5	50
34	Metabolic Phenotypes of Response to Vaccination in Humans. Cell, 2017, 169, 862-877.e17.	13.5	234
35	Bioinformatics Tools for the Interpretation of Metabolomics Data. Current Pharmacology Reports, 2017, 3, 374-383.	1.5	34
36	Metabolome-wide association study of peripheral parasitemia in Plasmodium vivax malaria. International Journal of Medical Microbiology, 2017, 307, 533-541.	1.5	25

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37	One Step Forward for Reducing False Positive and False Negative Compound Identifications from Mass Spectrometry Metabolomics Data: New Algorithms for Constructing Extracted Ion Chromatograms and Detecting Chromatographic Peaks. Analytical Chemistry, 2017, 89, 8696-8703.	3.2	275
38	Detailed Investigation and Comparison of the XCMS and MZmine 2 Chromatogram Construction and Chromatographic Peak Detection Methods for Preprocessing Mass Spectrometry Metabolomics Data. Analytical Chemistry, 2017, 89, 8689-8695.	3.2	146
39	Low-level maternal exposure to nicotine associates with significant metabolic perturbations in second-trimester amniotic fluid. Environment International, 2017, 107, 227-234.	4.8	15
40	mTOR regulates metabolic adaptation of APCs in the lung and controls the outcome of allergic inflammation. Science, 2017, 357, 1014-1021.	6.0	98
41	Commensal Propionibacterium strain UF1 mitigates intestinal inflammation via Th17 cell regulation. Journal of Clinical Investigation, 2017, 127, 3970-3986.	3.9	67
42	Low-dose oral cadmium increases airway reactivity and lung neuronal gene expression in mice. Physiological Reports, 2016, 4, e12821.	0.7	30
43	Computational Metabolomics: A Framework for the Million Metabolome. Chemical Research in Toxicology, 2016, 29, 1956-1975.	1.7	191
44	Training in metabolomics research. I. Designing the experiment, collecting and extracting samples and generating metabolomics data. Journal of Mass Spectrometry, 2016, 51, 461-475.	0.7	64
45	Training in metabolomics research. II. Processing and statistical analysis of metabolomics data, metabolite identification, pathway analysis, applications of metabolomics and its future. Journal of Mass Spectrometry, 2016, 51, 535-548.	0.7	49
46	Correlation of the lung microbiota with metabolic profiles in bronchoalveolar lavage fluid in HIV infection. Microbiome, 2016, 4, 3.	4.9	83
47	Blood transcriptomics and metabolomics for personalized medicine. Computational and Structural Biotechnology Journal, 2016, 14, 1-7.	1.9	73
48	The amino acid sensor GCN2 controls gut inflammation by inhibiting inflammasome activation. Nature, 2016, 531, 523-527.	13.7	221
49	Amino Acid Metabolism is Altered in Adolescents with Nonalcoholic Fatty Liver Diseaseâ€"An Untargeted, High Resolution Metabolomics Study. Journal of Pediatrics, 2016, 172, 14-19.e5.	0.9	73
50	High-Resolution Metabolomics. Biological Research for Nursing, 2016, 18, 12-22.	1.0	26
51	Autophagy is essential for effector CD8+ T cell survival and memory formation. Nature Immunology, 2014, 15, 1152-1161.	7.0	367
52	Molecular signatures of antibody responses derived from a systems biology study of five human vaccines. Nature Immunology, 2014, 15, 195-204.	7.0	672
53	Vaccine Activation of the Nutrient Sensor GCN2 in Dendritic Cells Enhances Antigen Presentation. Science, 2014, 343, 313-317.	6.0	181
54	Effects of age, sex, and genotype on highâ€sensitivity metabolomic profiles in the fruit fly, <scp>D</scp>rosophila melanogaster. Aging Cell, 2014, 13, 596-604.	3.0	107

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55	Systems biological approaches to measure and understand vaccine immunity in humans. Seminars in Immunology, 2013, 25, 209-218.	2.7	58
56	Hybrid Feature Detection and Information Accumulation Using High-Resolution LCâ€"MS Metabolomics Data. Journal of Proteome Research, 2013, 12, 1419-1427.	1.8	81
57	Predicting Network Activity from High Throughput Metabolomics. PLoS Computational Biology, 2013, 9, e1003123.	1.5	697
58	An open-ended plea for the development of a global database of HIV vaccine responses. Current Opinion in HIV and AIDS, 2012, 7, 10-16.	1.5	1
59	Detailed Mitochondrial Phenotyping by High Resolution Metabolomics. PLoS ONE, 2012, 7, e33020.	1.1	44
60	Systems vaccinology: learning to compute the behavior of vaccine induced immunity. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 193-205.	6.6	78
61	Systems biology of vaccination for seasonal influenza in humans. Nature Immunology, 2011, 12, 786-795.	7.0	749
62	Systems Vaccinology. Immunity, 2010, 33, 516-529.	6.6	343
63	Linking probe thermodynamics to microarray quantification. Physical Biology, 2010, 7, 048001.	0.8	3
64	Constructing a fish metabolic network model. Genome Biology, 2010, 11, R115.	13.9	47
65	A microarray screen for direct targets of Zic1 identifies an aquaporin gene, aqpâ€3b, expressed in the neural folds. Developmental Dynamics, 2009, 238, 1179-1194.	0.8	17
66	A competitive hybridization model predicts probe signal intensity on high density DNA microarrays. Nucleic Acids Research, 2008, 36, 6585-6591.	6.5	19
67	The Xfeb gene is directly upregulated by Zic1 during early neural development. Developmental Dynamics, 2006, 235, 2817-2827.	0.8	7