Alla Karnovsky

List of Publications by Year
in descending order

31 papers	1,787 citations	471509 17 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	3393 citing authors

#	Article	IF	Citations
1	Metabolomics identifies shared lipid pathways in independent amyotrophic lateral sclerosis cohorts. Brain, 2022, 145, 4425-4439.	7.6	22
2	Trichloroethylene modifies energy metabolites in the amniotic fluid of Wistar rats. Reproductive Toxicology, 2022, 109, 80-92.	2.9	2
3	metabCombiner: Paired Untargeted LC-HRMS Metabolomics Feature Matching and Concatenation of Disparately Acquired Data Sets. Analytical Chemistry, 2021, 93, 5028-5036.	6.5	13
4	Genetic and Metabolite Variability in One-Carbon Metabolism Applied to an Insulin Resistance Model in Patients With Schizophrenia Receiving Atypical Antipsychotics. Frontiers in Psychiatry, 2021, 12, 623143.	2.6	2
5	Metabolomic Profiling in Response to an Oral Glucose Tolerance Test Reveals Pathways Associated With Obesity and Insulin Resistance During the Pubertal Transition. Current Developments in Nutrition, 2021, 5, 506.	0.3	0
6	Comparing the Fasting and Random-Fed Metabolome Response to an Oral Glucose Tolerance Test in Children and Adolescents: Implications of Sex, Obesity, and Insulin Resistance. Nutrients, 2021, 13, 3365.	4.1	7
7	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. Shock, 2021, 56, 65-72.	2.1	11
8	Pharmacologic modulation of brain metabolism by valproic acid can induce a neuroprotective environment. Journal of Trauma and Acute Care Surgery, 2021, 90, 507-514.	2.1	2
9	Deep annotation of untargeted LC-MS metabolomics data with Binner. Bioinformatics, 2020, 36, 1801-1806.	4.1	43
10	Using <scp>l</scp>â€Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. Pharmacotherapy, 2020, 40, 913-923.	2.6	10
11	Application of Differential Network Enrichment Analysis for Deciphering Metabolic Alterations. Metabolites, 2020, 10, 479.	2.9	5
12	Mitochondrial Nutrient Utilization Underlying the Association Between Metabolites and Insulin Resistance in Adolescents. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 2442-2455.	3.6	13
13	Pathway Analysis for Targeted and Untargeted Metabolomics. Methods in Molecular Biology, 2020, 2104, 387-400.	0.9	35
14	Intrinsic Mitochondrial Nutrient Utilization May Underlie the Association of Metabolite Levels with BMIz and Insulin Resistance (FS03-02-19). Current Developments in Nutrition, 2019, 3, nzz046.FS03-02-19.	0.3	0
15	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. Bioinformatics, 2019, 35, 3441-3452.	4.1	26
16	Lipidomics and Biomarker Discovery in Kidney Disease. Seminars in Nephrology, 2018, 38, 127-141.	1.6	38
17	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. Shock, 2018, 49, 412-419.	2.1	25
18	Atypical Antipsychotic Exposure May Not Differentiate Metabolic Phenotypes of Patients with Schizophrenia. Pharmacotherapy, 2018, 38, 638-650.	2.6	11

#	Article	IF	Citations
19	Sparse network modeling and metscape-based visualization methods for the analysis of large-scale metabolomics data. Bioinformatics, 2017, 33, 1545-1553.	4.1	150
20	Glycolytic Enzymes Coalesce in G Bodies under Hypoxic Stress. Cell Reports, 2017, 20, 895-908.	6.4	139
21	Metabolomics and Its Application to Acute Lung Diseases. Frontiers in Immunology, 2016, 7, 44.	4.8	94
22	Lipidomic Signature of Progression of Chronic Kidney Disease in the Chronic Renal Insufficiency Cohort. Kidney International Reports, 2016, 1, 256-268.	0.8	69
23	ConceptMetab: exploring relationships among metabolite sets to identify links among biomedical concepts. Bioinformatics, 2016, 32, 1536-1543.	4.1	10
24	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by 1H-NMR Spectroscopy. Shock, 2015, 44, 200-208.	2.1	61
25	Pharmacometabolomics of <scp>l</scp>-Carnitine Treatment Response Phenotypes in Patients with Septic Shock. Annals of the American Thoracic Society, 2015, 12, 46-56.	3.2	57
26	Metabolomics and Diabetes: Analytical and Computational Approaches. Diabetes, 2015, 64, 718-732.	0.6	146
27	Signal Intensities Derived from Different NMR Probes and Parameters Contribute to Variations in Quantification of Metabolites. PLoS ONE, 2014, 9, e85732.	2.5	38
28	MetDiseaseâ€"connecting metabolites to diseases via literature. Bioinformatics, 2014, 30, 2239-2241.	4.1	18
29	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. Bioinformatics, 2012, 28, 373-380.	4.1	392
30	Metabolic consequences of sepsis-induced acute lung injury revealed by plasma ¹H-nuclear magnetic resonance quantitative metabolomics and computational analysis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L4-L11.	2.9	152
31	Metscape: a Cytoscape plug-in for visualizing and interpreting metabolomic data in the context of human metabolic networks. Bioinformatics, 2010, 26, 971-973.	4.1	196