

Alla Karnovsky

List of Publications by Year in descending order

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Version: 2024-02-01

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	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. <i>Bioinformatics</i> , 2012, 28, 373-380.	4.1	392
2	Metscape: a Cytoscape plug-in for visualizing and interpreting metabolomic data in the context of human metabolic networks. <i>Bioinformatics</i> , 2010, 26, 971-973.	4.1	196
3	Metabolic consequences of sepsis-induced acute lung injury revealed by plasma ¹ H-nuclear magnetic resonance quantitative metabolomics and computational analysis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L4-L11.	2.9	152
4	Sparse network modeling and metscape-based visualization methods for the analysis of large-scale metabolomics data. <i>Bioinformatics</i> , 2017, 33, 1545-1553.	4.1	150
5	Metabolomics and Diabetes: Analytical and Computational Approaches. <i>Diabetes</i> , 2015, 64, 718-732.	0.6	146
6	Glycolytic Enzymes Coalesce in G Bodies under Hypoxic Stress. <i>Cell Reports</i> , 2017, 20, 895-908.	6.4	139
7	Metabolomics and Its Application to Acute Lung Diseases. <i>Frontiers in Immunology</i> , 2016, 7, 44.	4.8	94
8	Lipidomic Signature of Progression of Chronic Kidney Disease in the Chronic Renal Insufficiency Cohort. <i>Kidney International Reports</i> , 2016, 1, 256-268.	0.8	69
9	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by 1H-NMR Spectroscopy. <i>Shock</i> , 2015, 44, 200-208.	2.1	61
10	Pharmacometabolomics of L-Carnitine Treatment Response Phenotypes in Patients with Septic Shock. <i>Annals of the American Thoracic Society</i> , 2015, 12, 46-56.	3.2	57
11	Deep annotation of untargeted LC-MS metabolomics data with <i>Binner</i> . <i>Bioinformatics</i> , 2020, 36, 1801-1806.	4.1	43
12	Signal Intensities Derived from Different NMR Probes and Parameters Contribute to Variations in Quantification of Metabolites. <i>PLoS ONE</i> , 2014, 9, e85732.	2.5	38
13	Lipidomics and Biomarker Discovery in Kidney Disease. <i>Seminars in Nephrology</i> , 2018, 38, 127-141.	1.6	38
14	Pathway Analysis for Targeted and Untargeted Metabolomics. <i>Methods in Molecular Biology</i> , 2020, 2104, 387-400.	0.9	35
15	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. <i>Bioinformatics</i> , 2019, 35, 3441-3452.	4.1	26
16	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. <i>Shock</i> , 2018, 49, 412-419.	2.1	25
17	Metabolomics identifies shared lipid pathways in independent amyotrophic lateral sclerosis cohorts. <i>Brain</i> , 2022, 145, 4425-4439.	7.6	22
18	MetDiseaseâ€”connecting metabolites to diseases via literature. <i>Bioinformatics</i> , 2014, 30, 2239-2241.	4.1	18

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19	Mitochondrial Nutrient Utilization Underlying the Association Between Metabolites and Insulin Resistance in Adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2442-2455.	3.6	13
20	<i>metabCombiner</i> : Paired Untargeted LC-HRMS Metabolomics Feature Matching and Concatenation of Disparately Acquired Data Sets. <i>Analytical Chemistry</i> , 2021, 93, 5028-5036.	6.5	13
21	Atypical Antipsychotic Exposure May Not Differentiate Metabolic Phenotypes of Patients with Schizophrenia. <i>Pharmacotherapy</i> , 2018, 38, 638-650.	2.6	11
22	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. <i>Shock</i> , 2021, 56, 65-72.	2.1	11
23	ConceptMetab: exploring relationships among metabolite sets to identify links among biomedical concepts. <i>Bioinformatics</i> , 2016, 32, 1536-1543.	4.1	10
24	Using α -Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. <i>Pharmacotherapy</i> , 2020, 40, 913-923.	2.6	10
25	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. <i>Nutrients</i> , 2021, 13, 3365.	4.1	7
26	Application of Differential Network Enrichment Analysis for Deciphering Metabolic Alterations. <i>Metabolites</i> , 2020, 10, 479.	2.9	5
27	Genetic and Metabolite Variability in One-Carbon Metabolism Applied to an Insulin Resistance Model in Patients With Schizophrenia Receiving Atypical Antipsychotics. <i>Frontiers in Psychiatry</i> , 2021, 12, 623143.	2.6	2
28	Pharmacologic modulation of brain metabolism by valproic acid can induce a neuroprotective environment. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 90, 507-514.	2.1	2
29	Trichloroethylene modifies energy metabolites in the amniotic fluid of Wistar rats. <i>Reproductive Toxicology</i> , 2022, 109, 80-92.	2.9	2
30	Intrinsic Mitochondrial Nutrient Utilization May Underlie the Association of Metabolite Levels with BMI _z and Insulin Resistance (FS03-02-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz046.FS03-02-19.	0.3	0
31	Metabolomic Profiling in Response to an Oral Glucose Tolerance Test Reveals Pathways Associated With Obesity and Insulin Resistance During the Pubertal Transition. <i>Current Developments in Nutrition</i> , 2021, 5, 506.	0.3	0