

Alla Karnovsky

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28 papers	1,344 citations	16 h-index	32 g-index
32 ext. papers	1,727 ext. citations	5 avg, IF	4.61 L-index

#	Paper	IF	Citations
28	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. <i>Bioinformatics</i> , 2012 , 28, 373-80	7.2	288
27	Metscape: a Cytoscape plug-in for visualizing and interpreting metabolomic data in the context of human metabolic networks. <i>Bioinformatics</i> , 2010 , 26, 971-3	7.2	148
26	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	5.8	122
25	Metabolomics and diabetes: analytical and computational approaches. <i>Diabetes</i> , 2015 , 64, 718-32	0.9	110
24	Intrinsic Mitochondrial Nutrient Utilization May Underlie the Association of Metabolite Levels with BMIz and Insulin Resistance (FS03-02-19). <i>Current Developments in Nutrition</i> , 2019 , 3,	0.4	78
23	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, 506-506	0.4	78
22	Glycolytic Enzymes Coalesce in G Bodies under Hypoxic Stress. <i>Cell Reports</i> , 2017 , 20, 895-908	10.6	77
21	Metabolomics and Its Application to Acute Lung Diseases. <i>Frontiers in Immunology</i> , 2016 , 7, 44	8.4	70
20	Sparse network modeling and metscape-based visualization methods for the analysis of large-scale metabolomics data. <i>Bioinformatics</i> , 2017 , 33, 1545-1553	7.2	55
19	Lipidomic Signature of Progression of Chronic Kidney Disease in the Chronic Renal Insufficiency Cohort. <i>Kidney International Reports</i> , 2016 , 1, 256-268	4.1	50
18	Pharmacometabolomics of l-carnitine treatment response phenotypes in patients with septic shock. <i>Annals of the American Thoracic Society</i> , 2015 , 12, 46-56	4.7	48
17	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by ¹ H-NMR Spectroscopy: Implications for Sepsis Metabolomics. <i>Shock</i> , 2015 , 44, 200-8	3.4	46
16	Signal intensities derived from different NMR probes and parameters contribute to variations in quantification of metabolites. <i>PLoS ONE</i> , 2014 , 9, e85732	3.7	30
15	Lipidomics and Biomarker Discovery in Kidney Disease. <i>Seminars in Nephrology</i> , 2018 , 38, 127-141	4.8	25
14	Deep annotation of untargeted LC-MS metabolomics data with Binner. <i>Bioinformatics</i> , 2020 , 36, 1801-1806	10.6	21
13	MetDisease--connecting metabolites to diseases via literature. <i>Bioinformatics</i> , 2014 , 30, 2239-41	7.2	17
12	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. <i>Bioinformatics</i> , 2019 , 35, 3441-3452	7.2	15

11	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. <i>Shock</i> , 2018 , 49, 412-419	3.4	15
10	Pathway Analysis for Targeted and Untargeted Metabolomics. <i>Methods in Molecular Biology</i> , 2020 , 2104, 387-400	1.4	13
9	ConceptMetab: exploring relationships among metabolite sets to identify links among biomedical concepts. <i>Bioinformatics</i> , 2016 , 32, 1536-43	7.2	9
8	Atypical Antipsychotic Exposure May Not Differentiate Metabolic Phenotypes of Patients with Schizophrenia. <i>Pharmacotherapy</i> , 2018 , 38, 638-650	5.8	7
7	Mitochondrial Nutrient Utilization Underlying the Association Between Metabolites and Insulin Resistance in Adolescents. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	6
6	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. <i>Shock</i> , 2021 , 56, 65-72	3.4	5
5	Using l-Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. <i>Pharmacotherapy</i> , 2020 , 40, 913-923	5.8	4
4	: Paired Untargeted LC-HRMS Metabolomics Feature Matching and Concatenation of Disparately Acquired Data Sets. <i>Analytical Chemistry</i> , 2021 , 93, 5028-5036	7.8	3
3	Application of Differential Network Enrichment Analysis for Deciphering Metabolic Alterations. <i>Metabolites</i> , 2020 , 10,	5.6	1
2	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	5	0
1	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	3.3	