Alla Karnovsky

List of Publications by Year in Descending Order

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	Pharmacologic modulation of brain metabolism by valproic acid can induce a neuroprotective environment. *Journal of Trauma and Acute Care Surgery*, **2021**, 90, 507-514	3.3	
27	Serum Levels of Branched Chain Amino Acids Predict Duration of Cardiovascular Organ Failure in Septic Shock. *Shock*, **2021**, 56, 65-72	3.4	5
26	: Paired Untargeted LC-HRMS Metabolomics Feature Matching and Concatenation of Disparately Acquired Data Sets. *Analytical Chemistry*, **2021**, 93, 5028-5036	7.8	3
25	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	5	0
24	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, 506-506	0.4	78
23	Mitochondrial Nutrient Utilization Underlying the Association Between Metabolites and Insulin Resistance in Adolescents. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	6
22	Deep annotation of untargeted LC-MS metabolomics data with Binner. *Bioinformatics*, **2020**, 36, 1801-1806	7.6	21
21	Using l-Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. *Pharmacotherapy*, **2020**, 40, 913-923	5.8	4
20	Application of Differential Network Enrichment Analysis for Deciphering Metabolic Alterations. *Metabolites*, **2020**, 10,	5.6	1
19	Pathway Analysis for Targeted and Untargeted Metabolomics. *Methods in Molecular Biology*, **2020**, 2104, 387-400	1.4	13
18	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. *Bioinformatics*, **2019**, 35, 3441-3452	7.2	15
17	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,	0.4	78
16	Lipidomics and Biomarker Discovery in Kidney Disease. *Seminars in Nephrology*, **2018**, 38, 127-141	4.8	25
15	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. *Shock*, **2018**, 49, 412-419	3.4	15
14	Atypical Antipsychotic Exposure May Not Differentiate Metabolic Phenotypes of Patients with Schizophrenia. *Pharmacotherapy*, **2018**, 38, 638-650	5.8	7
13	Sparse network modeling and metscape-based visualization methods for the analysis of large-scale metabolomics data. *Bioinformatics*, **2017**, 33, 1545-1553	7.2	55
12	Glycolytic Enzymes Coalesce in G Bodies under Hypoxic Stress. *Cell Reports*, **2017**, 20, 895-908	10.6	77

List of Publications

11	ConceptMetab: exploring relationships among metabolite sets to identify links among biomedical concepts. *Bioinformatics*, **2016**, 32, 1536-43	7.2	9
10	Metabolomics and Its Application to Acute Lung Diseases. *Frontiers in Immunology*, **2016**, 7, 44	8.4	70
9	Lipidomic Signature of Progression of Chronic Kidney Disease in the Chronic Renal Insufficiency Cohort. *Kidney International Reports*, **2016**, 1, 256-268	4.1	50
8	Metabolomics and diabetes: analytical and computational approaches. *Diabetes*, **2015**, 64, 718-32	0.9	110
7	Whole Blood Reveals More Metabolic Detail of the Human Metabolome than Serum as Measured by 1H-NMR Spectroscopy: Implications for Sepsis Metabolomics. *Shock*, **2015**, 44, 200-8	3.4	46
6	Pharmacometabolomics of l-carnitine treatment response phenotypes in patients with septic shock. *Annals of the American Thoracic Society*, **2015**, 12, 46-56	4.7	48
5	MetDisease--connecting metabolites to diseases via literature. *Bioinformatics*, **2014**, 30, 2239-41	7.2	17
4	Signal intensities derived from different NMR probes and parameters contribute to variations in quantification of metabolites. *PLoS ONE*, **2014**, 9, e85732	3.7	30
3	Metscape 2 bioinformatics tool for the analysis and visualization of metabolomics and gene expression data. *Bioinformatics*, **2012**, 28, 373-80	7.2	288
2	Metabolic consequences of sepsis-induced acute lung injury revealed by plasma □H-nuclear magnetic resonance quantitative metabolomics and computational analysis. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2011**, 300, L4-L11	5.8	122
1	Metscape: a Cytoscape plug-in for visualizing and interpreting metabolomic data in the context of human metabolic networks. *Bioinformatics*, **2010**, 26, 971-3	7.2	148