

Peddinti V Gopalacharyulu

List of Publications by Year in descending order

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39
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3,452
citations

257450

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41
all docs

41
docs citations

41
times ranked

7818
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterizing the Quality of Insight by Interactions: A Case Study. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 3410-3424.	4.4	7
2	Production of Endotoxin-Free Microbial Biomass for Food Applications by Gas Fermentation of Gram-Positive H ₂ -Oxidizing Bacteria. ACS Food Science & Technology, 2021, 1, 470-479.	2.7	16
3	Allostatic hypermetabolic response in PGC1 α / β heterozygote mouse despite mitochondrial defects. FASEB Journal, 2021, 35, e21752.	0.5	2
4	Deficient Endoplasmic Reticulum-Mitochondrial Phosphatidylserine Transfer Causes Liver Disease. Cell, 2019, 177, 881-895.e17.	28.9	209
5	1-Hour Post-OGTT Glucose Improves the Early Prediction of Type 2 Diabetes by Clinical and Metabolic Markers. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 1131-1140.	3.6	53
6	Drug Target Commons: A Community Effort to Build a Consensus Knowledge Base for Drug-Target Interactions. Cell Chemical Biology, 2018, 25, 224-229.e2.	5.2	124
7	Diacetyl control during brewery fermentation via adaptive laboratory engineering of the lager yeast <i>Saccharomyces pastorianus</i> . Journal of Industrial Microbiology and Biotechnology, 2018, 45, 1103-1112.	3.0	29
8	Validation and Automation of a High-Throughput Multitargeted Method for Semiquantification of Endogenous Metabolites from Different Biological Matrices Using Tandem Mass Spectrometry. Metabolites, 2018, 8, 44.	2.9	19
9	One-Hour Post-OGTT Glucose Improves the Early Prediction of Type 2 Diabetes beyond Metabolic Markers. Diabetes, 2018, 67, .	0.6	2
10	Early metabolic markers identify potential targets for the prevention of type 2 diabetes. Diabetologia, 2017, 60, 1740-1750.	6.3	96
11	A Community Challenge for Inferring Genetic Predictors of Gene Essentialities through Analysis of a Functional Screen of Cancer Cell Lines. Cell Systems, 2017, 5, 485-497.e3.	6.2	19
12	Seed-effect modeling improves the consistency of genome-wide loss-of-function screens and identifies synthetic lethal vulnerabilities in cancer cells. Genome Medicine, 2017, 9, 51.	8.2	12
13	C-SPADE: a web-tool for interactive analysis and visualization of drug screening experiments through compound-specific bioactivity dendrograms. Nucleic Acids Research, 2017, 45, W495-W500.	14.5	18
14	Prediction of overall survival for patients with metastatic castration-resistant prostate cancer: development of a prognostic model through a crowdsourced challenge with open clinical trial data. Lancet Oncology, The, 2017, 18, 132-142.	10.7	124
15	Metabolite profiling of the carnivorous pitcher plants <i>Darlingtonia</i> and <i>Sarracenia</i> . PLoS ONE, 2017, 12, e0171078.	2.5	17
16	Crowdsourced assessment of common genetic contribution to predicting anti-TNF treatment response in rheumatoid arthritis. Nature Communications, 2016, 7, 12460.	12.8	73
17	Noninvasive Detection of Nonalcoholic Steatohepatitis Using Clinical Markers and Circulating Levels of Lipids and Metabolites. Clinical Gastroenterology and Hepatology, 2016, 14, 1463-1472.e6.	4.4	120
18	Accumulated Metabolites of Hydroxybutyric Acid Serve as Diagnostic and Prognostic Biomarkers of Ovarian High-Grade Serous Carcinomas. Cancer Research, 2016, 76, 796-804.	0.9	74

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19	From drug response profiling to target addiction scoring in cancer cell models. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1255-1264.	2.4	13
20	Circulating Triacylglycerol Signatures in Nonalcoholic Fatty Liver Disease Associated With the I148M Variant in PNPLA3 and With Obesity. <i>Diabetes</i> , 2014, 63, 312-322.	0.6	58
21	Prediction of non-alcoholic fatty-liver disease and liver fat content by serum molecular lipids. <i>Diabetologia</i> , 2013, 56, 2266-2274.	6.3	129
22	Characterization of microbial metabolism of Syrah grape products in an in vitro colon model using targeted and non-targeted analytical approaches. <i>European Journal of Nutrition</i> , 2013, 52, 833-846.	3.9	60
23	Cord Serum Lipidome in Prediction of Islet Autoimmunity and Type 1 Diabetes. <i>Diabetes</i> , 2013, 62, 3268-3274.	0.6	81
24	Insulin Signaling Regulates Fatty Acid Catabolism at the Level of CoA Activation. <i>PLoS Genetics</i> , 2012, 8, e1002478.	3.5	93
25	Mitofusin 2 (Mfn2) links mitochondrial and endoplasmic reticulum function with insulin signaling and is essential for normal glucose homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5523-5528.	7.1	544
26	Enterovirus-induced gene expression profile is critical for human pancreatic islet destruction. <i>Diabetologia</i> , 2012, 55, 3273-3283.	6.3	43
27	Heterogeneous Biological Network Visualization System: Case Study in Context of Medical Image Data. <i>Advances in Experimental Medicine and Biology</i> , 2012, 736, 95-118.	1.6	0
28	Metabolome in progression to Alzheimer's disease. <i>Translational Psychiatry</i> , 2011, 1, e57-e57.	4.8	238
29	Drug metabolome of the Simvastatin formed by human intestinal microbiota in vitro. <i>Molecular BioSystems</i> , 2011, 7, 437-446.	2.9	44
30	Algorithms and tools for the preprocessing of LC-MS metabolomics data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 108, 23-32.	3.5	138
31	MPEA metabolite pathway enrichment analysis. <i>Bioinformatics</i> , 2011, 27, 1878-1879.	4.1	85
32	Metabolic Regulation in Progression to Autoimmune Diabetes. <i>PLoS Computational Biology</i> , 2011, 7, e1002257.	3.2	74
33	Association of Lipidome Remodeling in the Adipocyte Membrane with Acquired Obesity in Humans. <i>PLoS Biology</i> , 2011, 9, e1000623.	5.6	213
34	The gut microbiota modulates host energy and lipid metabolism in mice. <i>Journal of Lipid Research</i> , 2010, 51, 1101-1112.	4.2	508
35	Dietary carbohydrate modification alters serum metabolic profiles in individuals with the metabolic syndrome. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2010, 20, 249-257.	2.6	50
36	Detection of Molecular Paths Associated with Insulinitis and Type 1 Diabetes in Non-Obese Diabetic Mouse. <i>PLoS ONE</i> , 2009, 4, e7323.	2.5	19

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37	Dynamic network topology changes in functional modules predict responses to oxidative stress in yeast. <i>Molecular BioSystems</i> , 2009, 5, 276.	2.9	12
38	An integrative approach for biological data mining and visualisation. <i>International Journal of Data Mining and Bioinformatics</i> , 2008, 2, 54.	0.1	14
39	Data integration and visualization system for enabling conceptual biology. <i>Bioinformatics</i> , 2005, 21, i177-i185.	4.1	21