

Charles R Evans

List of Publications by Year in descending order

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31
papers

2,067
citations

394390

19
h-index

454934

30
g-index

34
all docs

34
docs citations

34
times ranked

4315
citing authors

#	ARTICLE	IF	CITATIONS
1	An alternative food source for metabolism and longevity studies in <i>Caenorhabditis elegans</i> . <i>Communications Biology</i> , 2021, 4, 258.	4.4	28
2	Flavin-Containing Monooxygenases Are Conserved Regulators of Stress Resistance and Metabolism. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 630188.	3.7	21
3	<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
4	The molecular and metabolic program by which white adipocytes adapt to cool physiologic temperatures. <i>PLoS Biology</i> , 2021, 19, e3000988.	5.6	11
5	Modifying Chromatography Conditions for Improved Unknown Feature Identification in Untargeted Metabolomics. <i>Analytical Chemistry</i> , 2021, 93, 15840-15849.	6.5	13
6	Using L-Carnitine as a Pharmacologic Probe of the Interpatient and Metabolic Variability of Sepsis. <i>Pharmacotherapy</i> , 2020, 40, 913-923.	2.6	10
7	Untargeted Metabolomics Differentiates L-Carnitine Treated Septic Shock 1-Year Survivors and Nonsurvivors. <i>Journal of Proteome Research</i> , 2019, 18, 2004-2011.	3.7	11
8	Septic Shock Nonsurvivors Have Persistently Elevated Acylcarnitines Following Carnitine Supplementation. <i>Shock</i> , 2018, 49, 412-419.	2.1	25
9	Dimethyl Itaconate Is Not Metabolized into Itaconate Intracellularly. <i>Journal of Biological Chemistry</i> , 2017, 292, 4766-4769.	3.4	80
10	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
11	Evaluation of intensity drift correction strategies using MetaboDrift, a normalization tool for multi-batch metabolomics data. <i>Journal of Chromatography A</i> , 2017, 1523, 265-274.	3.7	59
12	Monitoring cell secretions on microfluidic chips using solid-phase extraction with mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 169-178.	3.7	25
13	RhoC GTPase Is a Potent Regulator of Glutamine Metabolism and N-Acetylaspartate Production in Inflammatory Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 13715-13729.	3.4	29
14	Systems Analysis of the Complement-Induced Priming Phase of Liver Regeneration. <i>Journal of Immunology</i> , 2016, 197, 2500-2508.	0.8	22
15	Impact of Anesthesia and Euthanasia on Metabolomics of Mammalian Tissues: Studies in a C57BL/6J Mouse Model. <i>PLoS ONE</i> , 2015, 10, e0117232.	2.5	103
16	Maximal Oxidative Capacity during Exercise Is Associated with Skeletal Muscle Fuel Selection and Dynamic Changes in Mitochondrial Protein Acetylation. <i>Cell Metabolism</i> , 2015, 21, 468-478.	16.2	165
17	Impact of storage conditions on metabolite profiles of sputum samples from persons with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2015, 14, 468-473.	0.7	11
18	Metabolomics Analysis Reveals that AICAR Affects Glycerolipid, Ceramide and Nucleotide Synthesis Pathways in INS-1 Cells. <i>PLoS ONE</i> , 2015, 10, e0129029.	2.5	17

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19	Quantitative H ₂ S-mediated protein sulfhydration reveals metabolic reprogramming during the integrated stress response. <i>ELife</i> , 2015, 4, e10067.	6.0	154
20	Increased Glucose Metabolism and Glycerolipid Formation by Fatty Acids and GPR40 Receptor Signaling Underlies the Fatty Acid Potentiation of Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2014, 289, 13575-13588.	3.4	51
21	Untargeted LC-MS Metabolomics of Bronchoalveolar Lavage Fluid Differentiates Acute Respiratory Distress Syndrome from Health. <i>Journal of Proteome Research</i> , 2014, 13, 640-649.	3.7	106
22	Artificial Sweeteners Stimulate Adipogenesis and Suppress Lipolysis Independently of Sweet Taste Receptors. <i>Journal of Biological Chemistry</i> , 2013, 288, 32475-32489.	3.4	110
23	Alterations in Lipid Signaling Underlie Lipodystrophy Secondary to AGPAT2 Mutations. <i>Diabetes</i> , 2012, 61, 2922-2931.	0.6	56
24	The Sedoheptulose Kinase CARKL Directs Macrophage Polarization through Control of Glucose Metabolism. <i>Cell Metabolism</i> , 2012, 15, 813-826.	16.2	493
25	Nrt1 and Tna1-Independent Export of NAD ⁺ Precursor Vitamins Promotes NAD ⁺ Homeostasis and Allows Engineering of Vitamin Production. <i>PLoS ONE</i> , 2011, 6, e19710.	2.5	33
26	Development and characterization of a "push-pull" sampling device with fast reaction quenching coupled to high-performance liquid chromatography for pharmaceutical process analytical technologies. <i>Journal of Chromatography A</i> , 2010, 1217, 7471-7477.	3.7	3
27	NAD ⁺ metabolite levels as a function of vitamins and calorie restriction: evidence for different mechanisms of longevity. <i>BMC Chemical Biology</i> , 2010, 10, 2.	1.6	69
28	Identification of Isn1 and Sdt1 as Glucose- and Vitamin-regulated Nicotinamide Mononucleotide and Nicotinic Acid Mononucleotide 5'-Nucleotidases Responsible for Production of Nicotinamide Riboside and Nicotinic Acid Riboside. <i>Journal of Biological Chemistry</i> , 2009, 284, 34861-34869.	3.4	51
29	Multidimensional LC-LC and LC-CE for high-resolution separations of biological molecules. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 1952-1961.	3.7	136
30	In Situ FT-IR Measurements of Competitive Vapor Adsorption into Porous Thin Films Containing Silica Nanoparticles. <i>Analytical Chemistry</i> , 2002, 74, 1157-1164.	6.5	10
31	Ultrahigh Pressure Multidimensional Liquid Chromatography. , 0, , 177-204.		1