Albert Gerding

List of Publications by Year
in descending order

27 papers	1,415 citations	687363 13 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	2442 citing authors

#	Article	IF	Citations
1	Short-Chain Fatty Acids Protect Against High-Fat Dietâ€“Induced Obesity via a PPARÎ³-Dependent Switch From Lipogenesis to Fat Oxidation. Diabetes, 2015, 64, 2398-2408.	0.6	734
2	Malnutrition-associated liver steatosis and ATP depletion is caused by peroxisomal and mitochondrial dysfunction. Journal of Hepatology, 2016, 65, 1198-1208.	3.7	133
3	Protection against the Metabolic Syndrome by Guar Gum-Derived Short-Chain Fatty Acids Depends on Peroxisome Proliferator-Activated Receptor Î³ and Glucagon-Like Peptide-1. PLoS ONE, 2015, 10, e0136364.	2.5	97
4	The Short-Chain Fatty Acid Uptake Fluxes by Mice on a Guar Gum Supplemented Diet Associate with Amelioration of Major Biomarkers of the Metabolic Syndrome. PLoS ONE, 2014, 9, e107392.	2.5	63
5	SK2 channels regulate mitochondrial respiration and mitochondrial Ca2+ uptake. Cell Death and Differentiation, 2017, 24, 761-773.	11.2	48
6	Quantitative analysis of amino acid metabolism in liver cancer links glutamate excretion to nucleotide synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10294-10304.	7.1	45
7	Targeting pathogen metabolism without collateral damage to the host. Scientific Reports, 2017, 7, 40406.	3.3	42
8	Renal temperature reduction progressively favors mitochondrial ROS production over respiration in hypothermic kidney preservation. Journal of Translational Medicine, 2019, 17, 265.	4.4	38
9	The hepatocyte IKK:NF-ÎºB axis promotes liver steatosis by stimulating de novo lipogenesis and cholesterol synthesis. Molecular Metabolism, 2021, 54, 101349.	6.5	28
10	Living on the edge: substrate competition explains loss of robustness in mitochondrial fatty-acid oxidation disorders. BMC Biology, 2016, 14, 107.	3.8	27
11	Inhibition of the succinyl dehydrogenase complex in acute myeloid leukemia leads to a lactate-fuelled respiratory metabolic vulnerability. Nature Communications, 2022, 13, 2013.	12.8	22
12	Mechanism of biliary lipid secretion in the rat: A role for bile acidâ€“independent bile flow?. Hepatology, 1993, 17, 1074-1080.	7.3	20
13	Male apoE*3-Leiden.CETP mice on high-fat high-cholesterol diet exhibit a biphasic dyslipidemic response, mimicking the changes in plasma lipids observed through life in men. Physiological Reports, 2017, 5, e13376.	1.7	19
14	Shortâ€term protein restriction at advanced age stimulates FGF21 signalling, energy expenditure and browning of white adipose tissue. FEBS Journal, 2021, 288, 2257-2277.	4.7	18
15	Impaired <scp>Veryâ€Lowâ€Density Lipoprotein</scp> catabolism links hypoglycemia to hypertriglyceridemia in Glycogen Storage Disease typeÂIa. Journal of Inherited Metabolic Disease, 2021, 44, 879-892.	3.6	13
16	Age-related susceptibility to insulin resistance arises from a combination of CPT1B decline and lipid overload. BMC Biology, 2021, 19, 154.	3.8	12
17	Simultaneous Quantification of the Concentration and Carbon Isotopologue Distribution of Polar Metabolites in a Single Analysis by Gas Chromatography and Mass Spectrometry. Analytical Chemistry, 2021, 93, 8248-8256.	6.5	11
18	The Effects of Butyrate on Induced Metabolic-Associated Fatty Liver Disease in Precision-Cut Liver Slices. Nutrients, 2021, 13, 4203.	4.1	10

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19	Effects of an early life diet containing large phospholipid-coated lipid globules on hepatic lipid metabolism in mice. Scientific Reports, 2020, 10, 16128.	3.3	9
20	A toolbox for the comprehensive analysis of small volume human intestinal samples that can be used with gastrointestinal sampling capsules. Scientific Reports, 2021, 11, 8133.	3.3	9
21	Fibroblastâ€specific genomeâ€scale modelling predicts an imbalance in amino acid metabolism in Refsum disease. FEBS Journal, 2020, 287, 5096-5113.	4.7	8
22	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. PLoS ONE, 2020, 15, e0232069.	2.5	6
23	Transcriptome analysis suggests a compensatory role of the cofactors coenzyme A and NAD+ in medium-chain acyl-CoA dehydrogenase knockout mice. Scientific Reports, 2019, 9, 14539.	3.3	3
24	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
25	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
26	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
27	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0