Matthew J Kolar

List of Publications by Year
in descending order

17 papers	2,251 citations	516561 16 h-index	839398 18 g-index
18 all docs	18 docs citations	18 times ranked	4272 citing authors

#	Article	IF	Citations
1	FGF1 and insulin control lipolysis by convergent pathways. Cell Metabolism, 2022, 34, 171-183.e6.	7.2	36
2	Serine restriction alters sphingolipid diversity to constrain tumour growth. Nature, 2020, 586, 790-795.	13.7	166
3	Stereochemistry of Linoleic Acid Esters of Hydroxy Linoleic Acids. Organic Letters, 2019, 21, 8080-8084.	2.4	7
4	Linoleic acid esters of hydroxy linoleic acids are anti-inflammatory lipids found in plants and mammals. Journal of Biological Chemistry, 2019, 294, 10698-10707.	1.6	76
5	Palmitic Acid Hydroxystearic Acids Activate GPR40, Which Is Involved in Their Beneficial Effects on Glucose Homeostasis. Cell Metabolism, 2018, 27, 419-427.e4.	7.2	127
6	Blocking Zika virus vertical transmission. Scientific Reports, 2018, 8, 1218.	1.6	55
7	Pharmacological activation of REV-ERBs is lethal in cancer and oncogene-induced senescence. Nature, 2018, 553, 351-355.	13.7	273
8	Faster Protocol for Endogenous Fatty Acid Esters of Hydroxy Fatty Acid (FAHFA) Measurements. Analytical Chemistry, 2018, 90, 5358-5365.	3.2	39
9	Metformin Inhibits Hepatic mTORC1 Signaling via Dose-Dependent Mechanisms Involving AMPK and the TSC Complex. Cell Metabolism, 2017, 25, 463-471.	7.2	281
10	Stereochemistry of Endogenous Palmitic Acid Ester of 9-Hydroxystearic Acid and Relevance of Absolute Configuration to Regulation. Journal of the American Chemical Society, 2017, 139, 4943-4947.	6.6	53
11	SREBP1 Contributes to Resolution of Pro-inflammatory TLR4 Signaling by Reprogramming Fatty Acid Metabolism. Cell Metabolism, 2017, 25, 412-427.	7.2	263
12	Gpr132 sensing of lactate mediates tumorâ€“macrophage interplay to promote breast cancer metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 580-585.	3.3	296
13	Stapled peptide inhibitors of RAB25 target context-specific phenotypes in cancer. Nature Communications, 2017, 8, 660.	5.8	44
14	Branched Fatty Acid Esters of Hydroxy Fatty Acids Are Preferred Substrates of the MODY8 Protein Carboxyl Ester Lipase. Biochemistry, 2016, 55, 4636-4641.	1.2	54
15	Inhibition of acetyl-CoA carboxylase suppresses fatty acid synthesis and tumor growth of non-small-cell lung cancer in preclinical models. Nature Medicine, 2016, 22, 1108-1119.	15.2	357
16	A LC-MSâ€“based workflow for measurement of branched fatty acid esters of hydroxy fatty acids. Nature Protocols, 2016, 11, 747-763.	5.5	58
17	AIG1 and ADTRP are atypical integral membrane hydrolases that degrade bioactive FAHFAs. Nature Chemical Biology, 2016, 12, 367-372.	3.9	62