

# Matthew J Kolar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1463484/publications.pdf>

Version: 2024-02-01

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