

Jong Hyun Kim

List of Publications by Year in descending order

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14
papers

374
citations

933447

10
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of leucine-dependent mTORC1 pathway through chemical intervention of leucyl-tRNA synthetase and RagD interaction. <i>Nature Communications</i> , 2017, 8, 732.	12.8	71
2	Coordination of the leucine-sensing Rag GTPase cycle by leucyl-tRNA synthetase in the mTORC1 signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5279-E5288.	7.1	60
3	Glucose-dependent control of leucine metabolism by leucyl-tRNA synthetase 1. <i>Science</i> , 2020, 367, 205-210.	12.6	56
4	Structure of the ArgRS-GlnRS-AIMP1 complex and its implications for mammalian translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15084-15089.	7.1	50
5	Protein-Protein Interactions and Multi-component Complexes of Aminoacyl-tRNA Synthetases. <i>Topics in Current Chemistry</i> , 2013, 344, 119-144.	4.0	35
6	Nontranslational function of leucyl-tRNA synthetase regulates myogenic differentiation and skeletal muscle regeneration. <i>Journal of Clinical Investigation</i> , 2019, 129, 2088-2093.	8.2	22
7	Discovery of (S)-4-isobutyloxazolidin-2-one as a novel leucyl-tRNA synthetase (LRS)-targeted mTORC1 inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3038-3041.	2.2	16
8	Discovery of simplified leucyladenylate sulfamates as novel leucyl-tRNA synthetase (LRS)-targeted mammalian target of rapamycin complex 1 (mTORC1) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4145-4152.	3.0	16
9	Discovery of Leucyladenylate Sulfamates as Novel Leucyl-tRNA Synthetase (LRS)-Targeted Mammalian Target of Rapamycin Complex 1 (mTORC1) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10322-10328.	6.4	15
10	Discovery of novel leucyladenylate sulfamate surrogates as leucyl-tRNA synthetase (LRS)-targeted mammalian target of rapamycin complex 1 (mTORC1) inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4073-4079.	3.0	11
11	Oridonin Attenuates Cisplatin-Induced Acute Kidney Injury via Inhibiting Oxidative Stress, Apoptosis, and Inflammation in Mice. <i>BioMed Research International</i> , 2022, 2022, 1-10.	1.9	10
12	Structure-activity relationship of leucyladenylate sulfamate analogues as leucyl-tRNA synthetase (LRS)-targeting inhibitors of Mammalian target of rapamycin complex 1 (mTORC1). <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1099-1109.	3.0	6
13	O-GlcNAc modification of leucyl-tRNA synthetase 1 integrates leucine and glucose availability to regulate mTORC1 and the metabolic fate of leucine. <i>Nature Communications</i> , 2022, 13, .	12.8	5
14	Leucyl-tRNA synthetase 1 is required for proliferation of TSC-null cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 571, 159-166.	2.1	1