

Jong Hyun Kim

List of Publications by Year in descending order

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14
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | Glucose-dependent control of leucine metabolism by leucyl-tRNA synthetase 1. <i>Science</i> , 2020, 367, 205-210. | 12.6 | 56 |
| 5 | 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 |
| 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 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | Structure of the ArgRS-GlnRS-ALMP1 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 |
| 14 | Protein-Protein Interactions and Multi-component Complexes of Aminoacyl-tRNA Synthetases. <i>Topics in Current Chemistry</i> , 2013, 344, 119-144. | 4.0 | 35 |