

Min Jae Lee

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

5,644
citations

159585

30
h-index

106344

65
g-index

69
all docs

69
docs citations

69
times ranked

8203
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effects of mTORC1 inhibition on proteasome activity and levels.. BMB Reports, 2022, , . | 2.4 | 0 |
| 2 | Effects of mTORC1 inhibition on proteasome activity and levels. BMB Reports, 2022, 55, 161-165. | 2.4 | 3 |
| 3 | Evaluation of Immunoproteasome-Specific Proteolytic Activity Using Fluorogenic Peptide Substrates. Immune Network, 2022, 22, . | 3.6 | 2 |
| 4 | CHIP-mediated hyperubiquitylation of tau promotes its self-assembly into the insoluble tau filaments. Chemical Science, 2021, 12, 5599-5610. | 7.4 | 16 |
| 5 | The Antipsychotic Drug Clozapine Suppresses the RGS4 Polyubiquitylation and Proteasomal Degradation Mediated by the Arg/N-Degron Pathway. Neurotherapeutics, 2021, 18, 1768-1782. | 4.4 | 5 |
| 6 | Formation of Non-Nucleoplasmic Proteasome Foci during the Late Stage of Hyperosmotic Stress. Cells, 2021, 10, 2493. | 4.1 | 7 |
| 7 | Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 9.1 1,430 | 9.1 | 1,430 |
| 8 | Concept and application of circulating proteasomes. Experimental and Molecular Medicine, 2021, 53, 1539-1546. | 7.7 | 11 |
| 9 | Proteasomal adaptations underlying carfilzomib-resistance in human bone marrow plasma cells. American Journal of Transplantation, 2020, 20, 399-410. | 4.7 | 18 |
| 10 | Ternary Polypeptide Nanoparticles with Improved Encapsulation, Sustained Release, and Enhanced In Vitro Efficacy of Carfilzomib. Pharmaceutical Research, 2020, 37, 213. | 3.5 | 8 |
| 11 | Aggresomal sequestration and STUB1-mediated ubiquitylation during mammalian proteaphagy of inhibited proteasomes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19190-19200. | 7.1 | 50 |
| 12 | Pentaminomycins C&E: Cyclic Pentapeptides as Autophagy Inducers from a Mealworm Beetle Gut Bacterium. Microorganisms, 2020, 8, 1390. | 3.6 | 19 |
| 13 | Proteasome Activity in the Plasma as a Novel Biomarker in Mild Cognitive Impairment with Chronic Tinnitus. Journal of Alzheimer's Disease, 2020, 78, 195-205. | 2.6 | 9 |
| 14 | Docosahexaenoic Acid, a Potential Treatment for Sarcopenia, Modulates the Ubiquitin&E-Proteasome and the Autophagy&E-Lysosome Systems. Nutrients, 2020, 12, 2597. | 4.1 | 31 |
| 15 | ATP Kinetically Modulates Pathogenic Tau Fibrillations. ACS Chemical Neuroscience, 2020, 11, 3144-3152. | 3.5 | 17 |
| 16 | Reduced chronic restraint stress in mice overexpressing hyperactive proteasomes in the forebrain. Molecular Brain, 2020, 13, 4. | 2.6 | 5 |
| 17 | Negative-feedback coordination between proteasomal activity and autophagic flux. Autophagy, 2019, 15, 726-728. | 9.1 | 16 |
| 18 | Acidiphilamides &E, Modified Peptides as Autophagy Inhibitors from an Acidophilic Actinobacterium, <i>Streptacidiphilus rugosus</i>. Journal of Natural Products, 2019, 82, 341-348. | 3.0 | 8 |

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|----|---|------|-----------|
| 19 | Supramolecular Modulation of Structural Polymorphism in Pathogenic α -Synuclein Fibrils Using Copper(II) Coordination. <i>Angewandte Chemie</i> , 2018, 130, 3153-3157. | 2.0 | 2 |
| 20 | Supramolecular Modulation of Structural Polymorphism in Pathogenic α -Synuclein Fibrils Using Copper(II) Coordination. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3099-3103. | 13.8 | 25 |
| 21 | Inactivation of USP14 Perturbs Ubiquitin Homeostasis and Delays the Cell Cycle in Mouse Embryonic Fibroblasts and in Fruit Fly <i>Drosophila</i> . <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 67-82. | 1.6 | 6 |
| 22 | Dual Function of USP14 Deubiquitinase in Cellular Proteasomal Activity and Autophagic Flux. <i>Cell Reports</i> , 2018, 24, 732-743. | 6.4 | 59 |
| 23 | Peptide nucleic acid (PNA) probe-based analysis to detect filaggrin mutations in atopic dermatitis patients. <i>Experimental Dermatology</i> , 2018, 27, 1304-1308. | 2.9 | 5 |
| 24 | Degradation or aggregation: the ramifications of post-translational modifications on tau. <i>BMB Reports</i> , 2018, 51, 265-273. | 2.4 | 46 |
| 25 | Docosahexaenoic acid-mediated protein aggregates may reduce proteasome activity and delay myotube degradation during muscle atrophy in vitro. <i>Experimental and Molecular Medicine</i> , 2017, 49, e287-e287. | 7.7 | 25 |
| 26 | Isolation and Characterization of RNA Aptamers against a Proteasome-associated Deubiquitylating Enzyme UCH37. <i>ChemBioChem</i> , 2017, 18, 171-175. | 2.6 | 4 |
| 27 | p62/SQSTM1/Sequestosome-1 is an N-recognin of the N-end rule pathway which modulates autophagosome biogenesis. <i>Nature Communications</i> , 2017, 8, 102. | 12.8 | 178 |
| 28 | Autophagy impairment in Parkinson's disease. <i>Essays in Biochemistry</i> , 2017, 61, 711-720. | 4.7 | 125 |
| 29 | The Proline/Arginine Dipeptide from Hexanucleotide Repeat Expanded <i>C9ORF72</i> Inhibits the Proteasome. <i>ENeuro</i> , 2017, 4, ENEURO.0249-16.2017. | 1.9 | 62 |
| 30 | Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation. <i>Nature Communications</i> , 2016, 7, 10963. | 12.8 | 82 |
| 31 | Inhibitory RNA Aptamers of Tau Oligomerization and Their Neuroprotective Roles against Proteotoxic Stress. <i>Molecular Pharmaceutics</i> , 2016, 13, 2039-2048. | 4.6 | 32 |
| 32 | The arginylation branch of the N-end rule pathway positively regulates cellular autophagic flux and clearance of proteotoxic proteins. <i>Autophagy</i> , 2016, 12, 2197-2212. | 9.1 | 22 |
| 33 | Tethered polymer nanoassemblies for sustained carfilzomib release and prolonged suppression of proteasome activity. <i>Therapeutic Delivery</i> , 2016, 7, 665-681. | 2.2 | 10 |
| 34 | Ablation of Arg-tRNA-protein transferases results in defective neural tube development. <i>BMB Reports</i> , 2016, 49, 443-448. | 2.4 | 8 |
| 35 | Facilitated Tau Degradation by USP14 Aptamers via Enhanced Proteasome Activity. <i>Scientific Reports</i> , 2015, 5, 10757. | 3.3 | 48 |
| 36 | Highly fluorescent CdTe quantum dots with reduced cytotoxicity-A Robust biomarker. <i>Sensing and Bio-Sensing Research</i> , 2015, 3, 46-52. | 4.2 | 36 |

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|----|---|------|-----------|
| 37 | Pharmacological Modulation of the N-End Rule Pathway and Its Therapeutic Implications. Trends in Pharmacological Sciences, 2015, 36, 782-797. | 8.7 | 23 |
| 38 | Photo-crosslinkable chitosan hydrogel as a bioadhesive for esophageal stents. Macromolecular Research, 2015, 23, 882-884. | 2.4 | 2 |
| 39 | Direct cellular delivery of human proteasomes to delay tau aggregation. Nature Communications, 2014, 5, 5633. | 12.8 | 84 |
| 40 | Targeting Estrogen Receptors for the Treatment of Alzheimer's Disease. Molecular Neurobiology, 2014, 49, 39-49. | 4.0 | 41 |
| 41 | A Neurostimulant para-Chloroamphetamine Inhibits the Arginylation Branch of the N-end Rule Pathway. Scientific Reports, 2014, 4, 6344. | 3.3 | 20 |
| 42 | Deubiquitination of Dishevelled by Usp14 is required for Wnt signaling. Oncogenesis, 2013, 2, e64-e64. | 4.9 | 90 |
| 43 | A New Helicase Assay Based on Graphene Oxide for Anti-Viral Drug Development. Molecules and Cells, 2013, 35, 269-273. | 2.6 | 17 |
| 44 | Tau degradation: The ubiquitin-proteasome system versus the autophagy-lysosome system. Progress in Neurobiology, 2013, 105, 49-59. | 5.7 | 280 |
| 45 | Characterization of mammalian N-degrons and development of heterovalent inhibitors of the N-end rule pathway. Chemical Science, 2013, 4, 3339. | 7.4 | 10 |
| 46 | Development and Characterization of Monomeric N-End Rule Inhibitors through <i>In Vitro</i> Model Substrates. Journal of Medicinal Chemistry, 2013, 56, 2540-2546. | 6.4 | 13 |
| 47 | Salinosporamides A and B Inhibit Proteasome Activity and Delay the Degradation of N-end Rule Model Substrates. Bulletin of the Korean Chemical Society, 2013, 34, 1425-1428. | 1.9 | 0 |
| 48 | Characterization of Arginylation Branch of N-end Rule Pathway in G-protein-mediated Proliferation and Signaling of Cardiomyocytes. Journal of Biological Chemistry, 2012, 287, 24043-24052. | 3.4 | 45 |
| 49 | Local Crystallization of Noncrystallized PbTiO_3 Thin Film by a Heated Atomic Force Microscope Tip. Journal of the American Ceramic Society, 2012, 95, 1511-1513. | 3.8 | 1 |
| 50 | Hyperbranched Double Hydrophilic Block Copolymer Micelles of Poly(ethylene oxide) and Polyglycerol for pH-Responsive Drug Delivery. Biomacromolecules, 2012, 13, 1190-1196. | 5.4 | 126 |
| 51 | Photoswitchable fluorescent diarylethene in a turn-on mode for live cell imaging. Chemical Communications, 2012, 48, 3745. | 4.1 | 89 |
| 52 | Emerging roles of the ubiquitin-proteasome system in the steroid receptor signaling. Archives of Pharmacal Research, 2012, 35, 397-407. | 6.3 | 27 |
| 53 | UBR2 of the N-End Rule Pathway Is Required for Chromosome Stability via Histone Ubiquitylation in Spermatocytes and Somatic Cells. PLoS ONE, 2012, 7, e37414. | 2.5 | 32 |
| 54 | Liposome-Mediated Cancer Gene Therapy: Clinical Trials and their Lessons to Stem Cell Therapy. Bulletin of the Korean Chemical Society, 2012, 33, 433-442. | 1.9 | 13 |

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|----|---|------|-----------|
| 55 | An asymmetric interface between the regulatory and core particles of the proteasome. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1259-1267. | 8.2 | 75 |
| 56 | Trimming of Ubiquitin Chains by Proteasome-associated Deubiquitinating Enzymes. <i>Molecular and Cellular Proteomics</i> , 2011, 10, R110.003871. | 3.8 | 205 |
| 57 | Enhancement of proteasome activity by a small-molecule inhibitor of USP14. <i>Nature</i> , 2010, 467, 179-184. | 27.8 | 795 |
| 58 | UBR2 mediates transcriptional silencing during spermatogenesis via histone ubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1912-1917. | 7.1 | 76 |
| 59 | A Novel Role for the Dioxin Receptor in Fatty Acid Metabolism and Hepatic Steatosis. <i>Gastroenterology</i> , 2010, 139, 653-663. | 1.3 | 228 |
| 60 | Synthetic heterovalent inhibitors targeting recognition E3 components of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 100-105. | 7.1 | 70 |
| 61 | Impaired neurogenesis and cardiovascular development in mice lacking the E3 ubiquitin ligases UBR1 and UBR2 of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6212-6217. | 7.1 | 79 |
| 62 | RGS4 and RGS5 are in vivo substrates of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15030-15035. | 7.1 | 219 |
| 63 | A Family of Mammalian E3 Ubiquitin Ligases That Contain the UBR Box Motif and Recognize N-Degrans. <i>Molecular and Cellular Biology</i> , 2005, 25, 7120-7136. | 2.3 | 293 |
| 64 | Optimal salt concentration of vehicle for plasmid DNA enhances gene transfer mediated by electroporation. <i>Experimental and Molecular Medicine</i> , 2002, 34, 265-272. | 7.7 | 44 |
| 65 | Intraperitoneal gene delivery mediated by a novel cationic liposome in a peritoneal disseminated ovarian cancer model. <i>Gene Therapy</i> , 2002, 9, 859-866. | 4.5 | 43 |
| 66 | Cationic Hyperbranched Poly(amino ester): A Novel Class of DNA Condensing Molecule with Cationic Surface, Biodegradable Three-Dimensional Structure, and Tertiary Amine Groups in the Interior. <i>Journal of the American Chemical Society</i> , 2001, 123, 2460-2461. | 13.7 | 151 |
| 67 | Intracardiac Echocardiographic Guidance and Monitoring during Percutaneous Endomyocardial Gene Injection in Porcine Heart. <i>Human Gene Therapy</i> , 2001, 12, 893-903. | 2.7 | 23 |