

Min Jae Lee

List of Publications by Year in descending order

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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	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overclock 10 Tf 50,742 1,430	9.1	10
2	Enhancement of proteasome activity by a small-molecule inhibitor of USP14. <i>Nature</i> , 2010, 467, 179-184.	27.8	795
3	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
4	Tau degradation: The ubiquitin-proteasome system versus the autophagy-lysosome system. <i>Progress in Neurobiology</i> , 2013, 105, 49-59.	5.7	280
5	A Novel Role for the Dioxin Receptor in Fatty Acid Metabolism and Hepatic Steatosis. <i>Gastroenterology</i> , 2010, 139, 653-663.	1.3	228
6	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
7	Trimming of Ubiquitin Chains by Proteasome-associated Deubiquitinating Enzymes. <i>Molecular and Cellular Proteomics</i> , 2011, 10, R110.003871.	3.8	205
8	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
9	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
10	Hyperbranched Double Hydrophilic Block Copolymer Micelles of Poly(ethylene oxide) and Polyglycerol for pH-Responsive Drug Delivery. <i>Biomacromolecules</i> , 2012, 13, 1190-1196.	5.4	126
11	Autophagy impairment in Parkinson's disease. <i>Essays in Biochemistry</i> , 2017, 61, 711-720.	4.7	125
12	Deubiquitination of Dishevelled by Usp14 is required for Wnt signaling. <i>Oncogenesis</i> , 2013, 2, e64-e64.	4.9	90
13	Photoswitchable fluorescent diarylethene in a turn-on mode for live cell imaging. <i>Chemical Communications</i> , 2012, 48, 3745.	4.1	89
14	Direct cellular delivery of human proteasomes to delay tau aggregation. <i>Nature Communications</i> , 2014, 5, 5633.	12.8	84
15	Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation. <i>Nature Communications</i> , 2016, 7, 10963.	12.8	82
16	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
17	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
18	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

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19	Synthetic heterovalent inhibitors targeting recognition E3 components of the N-end rule pathway. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 100-105.	7.1	70
20	The Proline/Arginine Dipeptide from Hexanucleotide Repeat Expanded C9ORF72 Inhibits the Proteasome. ENeuro, 2017, 4, ENEURO.0249-16.2017.	1.9	62
21	Dual Function of USP14 Deubiquitinase in Cellular Proteasomal Activity and Autophagic Flux. Cell Reports, 2018, 24, 732-743.	6.4	59
22	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
23	Facilitated Tau Degradation by USP14 Aptamers via Enhanced Proteasome Activity. Scientific Reports, 2015, 5, 10757.	3.3	48
24	Degradation or aggregation: the ramifications of post-translational modifications on tau. BMB Reports, 2018, 51, 265-273.	2.4	46
25	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
26	Optimal salt concentration of vehicle for plasmid DNA enhances gene transfer mediated by electroporation. Experimental and Molecular Medicine, 2002, 34, 265-272.	7.7	44
27	Intraperitoneal gene delivery mediated by a novel cationic liposome in a peritoneal disseminated ovarian cancer model. Gene Therapy, 2002, 9, 859-866.	4.5	43
28	Targeting Estrogen Receptors for the Treatment of Alzheimer's Disease. Molecular Neurobiology, 2014, 49, 39-49.	4.0	41
29	Highly fluorescent CdTe quantum dots with reduced cytotoxicity-A Robust biomarker. Sensing and Bio-Sensing Research, 2015, 3, 46-52.	4.2	36
30	Inhibitory RNA Aptamers of Tau Oligomerization and Their Neuroprotective Roles against Proteotoxic Stress. Molecular Pharmaceutics, 2016, 13, 2039-2048.	4.6	32
31	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
32	Docosahexaenoic Acid, a Potential Treatment for Sarcopenia, Modulates the Ubiquitin-Proteasome and the Autophagy-Lysosome Systems. Nutrients, 2020, 12, 2597.	4.1	31
33	Emerging roles of the ubiquitin-proteasome system in the steroid receptor signaling. Archives of Pharmacal Research, 2012, 35, 397-407.	6.3	27
34	Docosahexaenoic acid-mediated protein aggregates may reduce proteasome activity and delay myotube degradation during muscle atrophy in vitro. Experimental and Molecular Medicine, 2017, 49, e287-e287.	7.7	25
35	Supramolecular Modulation of Structural Polymorphism in Pathogenic α -Synuclein Fibrils Using Copper(II) Coordination. Angewandte Chemie - International Edition, 2018, 57, 3099-3103.	13.8	25
36	Intracardiac Echocardiographic Guidance and Monitoring during Percutaneous Endomyocardial Gene Injection in Porcine Heart. Human Gene Therapy, 2001, 12, 893-903.	2.7	23

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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	The arginylation branch of the N-end rule pathway positively regulates cellular autophagic flux and clearance of proteotoxic proteins. Autophagy, 2016, 12, 2197-2212.	9.1	22
39	A Neurostimulant para-Chloroamphetamine Inhibits the Arginylation Branch of the N-end Rule Pathway. Scientific Reports, 2014, 4, 6344.	3.3	20
40	Pentaminomycins C&E: Cyclic Pentapeptides as Autophagy Inducers from a Mealworm Beetle Gut Bacterium. Microorganisms, 2020, 8, 1390.	3.6	19
41	Proteasomal adaptations underlying carfilzomib-resistance in human bone marrow plasma cells. American Journal of Transplantation, 2020, 20, 399-410.	4.7	18
42	A New Helicase Assay Based on Graphene Oxide for Anti-Viral Drug Development. Molecules and Cells, 2013, 35, 269-273.	2.6	17
43	ATP Kinetically Modulates Pathogenic Tau Fibrillations. ACS Chemical Neuroscience, 2020, 11, 3144-3152.	3.5	17
44	Negative-feedback coordination between proteasomal activity and autophagic flux. Autophagy, 2019, 15, 726-728.	9.1	16
45	CHIP-mediated hyperubiquitylation of tau promotes its self-assembly into the insoluble tau filaments. Chemical Science, 2021, 12, 5599-5610.	7.4	16
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	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
48	Concept and application of circulating proteasomes. Experimental and Molecular Medicine, 2021, 53, 1539-1546.	7.7	11
49	Characterization of mammalian N-degrons and development of heterovalent inhibitors of the N-end rule pathway. Chemical Science, 2013, 4, 3339.	7.4	10
50	Tethered polymer nanoassemblies for sustained carfilzomib release and prolonged suppression of proteasome activity. Therapeutic Delivery, 2016, 7, 665-681.	2.2	10
51	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
52	Acidophilamides A&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
53	Ternary Polypeptide Nanoparticles with Improved Encapsulation, Sustained Release, and Enhanced <i>In Vitro</i> Efficacy of Carfilzomib. Pharmaceutical Research, 2020, 37, 213.	3.5	8
54	Ablation of Arg-tRNA-protein transferases results in defective neural tube development. BMB Reports, 2016, 49, 443-448.	2.4	8

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55	Formation of Non-Nucleoplasmic Proteasome Foci during the Late Stage of Hyperosmotic Stress. <i>Cells</i> , 2021, 10, 2493.	4.1	7
56	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
57	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
58	The Antipsychotic Drug Clozapine Suppresses the RGS4 Polyubiquitylation and Proteasomal Degradation Mediated by the Arg/N-Degron Pathway. <i>Neurotherapeutics</i> , 2021, 18, 1768-1782.	4.4	5
59	Reduced chronic restraint stress in mice overexpressing hyperactive proteasomes in the forebrain. <i>Molecular Brain</i> , 2020, 13, 4.	2.6	5
60	Isolation and Characterization of RNA Aptamers against a Proteasome-associated Deubiquitylating Enzyme UCH37. <i>ChemBioChem</i> , 2017, 18, 171-175.	2.6	4
61	Effects of mTORC1 inhibition on proteasome activity and levels. <i>BMB Reports</i> , 2022, 55, 161-165.	2.4	3
62	Photo-crosslinkable chitosan hydrogel as a bioadhesive for esophageal stents. <i>Macromolecular Research</i> , 2015, 23, 882-884.	2.4	2
63	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
64	Evaluation of Immunoproteasome-Specific Proteolytic Activity Using Fluorogenic Peptide Substrates. <i>Immune Network</i> , 2022, 22, .	3.6	2
65	Local Crystallization of Noncrystallized PbTiO_3 Thin Film by a Heated Atomic Force Microscope Tip. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1511-1513.	3.8	1
66	Salinosporamides A and B Inhibit Proteasome Activity and Delay the Degradation of N-end Rule Model Substrates. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1425-1428.	1.9	0
67	Effects of mTORC1 inhibition on proteasome activity and levels.. <i>BMB Reports</i> , 2022, , .	2.4	0