Do-Hyung Kim

List of Publications by Year
in descending order

58 papers	21,269 citations	136740 32 h-index	149479 56 g-index
59 all docs	59 docs citations	59 times ranked	32304 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
3	mTOR Interacts with Raptor to Form a Nutrient-Sensitive Complex that Signals to the Cell Growth Machinery. Cell, 2002, 110, 163-175.	13.5	2,673
4	Rictor, a Novel Binding Partner of mTOR, Defines a Rapamycin-Insensitive and Raptor-Independent Pathway that Regulates the Cytoskeleton. Current Biology, 2004, 14, 1296-1302.	1.8	2,370
5	mTOR regulation of autophagy. FEBS Letters, 2010, 584, 1287-1295.	1.3	1,790
6	ULK-Atg13-FIP200 Complexes Mediate mTOR Signaling to the Autophagy Machinery. Molecular Biology of the Cell, 2009, 20, 1992-2003.	0.9	1,725
7	Insulin signalling to mTOR mediated by the Akt/PKB substrate PRAS40. Nature Cell Biology, 2007, 9, 316-323.	4.6	1,023
8	GÎ²L, a Positive Regulator of the Rapamycin-Sensitive Pathway Required for the Nutrient-Sensitive Interaction between Raptor and mTOR. Molecular Cell, 2003, 11, 895-904.	4.5	883
9	Local Structural Elements in the Mostly Unstructured Transcriptional Activation Domain of Human p53. Journal of Biological Chemistry, 2000, 275, 29426-29432.	1.6	307
10	The ULK1 complex mediates MTORC1 signaling to the autophagy initiation machinery via binding and phosphorylating ATG14. Autophagy, 2016, 12, 547-564.	4.3	243
11	mTORC1 Phosphorylates UVRAG to Negatively Regulate Autophagosome and Endosome Maturation. Molecular Cell, 2015, 57, 207-218.	4.5	218
12	Hsp90-Cdc37 Chaperone Complex Regulates Ulk1- and Atg13-Mediated Mitophagy. Molecular Cell, 2011, 43, 572-585.	4.5	211
13	Epigenetic Regulation of Autophagy by the Methyltransferase G9a. Molecular and Cellular Biology, 2013, 33, 3983-3993.	1.1	177
14	PRR5, a Novel Component of mTOR Complex 2, Regulates Platelet-derived Growth Factor Receptor Î² Expression and Signaling. Journal of Biological Chemistry, 2007, 282, 25604-25612.	1.6	174
15	Glycolytic Flux Signals to mTOR through Glyceraldehyde-3-Phosphate Dehydrogenase-Mediated Regulation of Rheb. Molecular and Cellular Biology, 2009, 29, 3991-4001.	1.1	156
16	ULK1 inhibits the kinase activity of mTORC1 and cell proliferation. Autophagy, 2011, 7, 1212-1221.	4.3	143
17	ULK1 phosphorylates Ser30 of BECN1 in association with ATG14 to stimulate autophagy induction. Autophagy, 2018, 14, 584-597.	4.3	121
18	Transactivation Ability of p53 Transcriptional Activation Domain Is Directly Related to the Binding Affinity to TATA-binding Protein. Journal of Biological Chemistry, 1995, 270, 25014-25019.	1.6	106

#	Article	IF	Citations
19	SH3BP4 Is a Negative Regulator of Amino Acid-Rag GTPase-mTORC1 Signaling. Molecular Cell, 2012, 46, 833-846.	4.5	76
20	Distinct functions ofUlk1andUlk2in the regulation of lipid metabolism in adipocytes. Autophagy, 2013, 9, 2103-2114.	4.3	76
21	GABARAPs and LC3s have opposite roles in regulating ULK1 for autophagy induction. Autophagy, 2020, 16, 600-614.	4.3	75
22	Cyclic AMP Controls mTOR through Regulation of the Dynamic Interaction between Rheb and Phosphodiesterase 4D. Molecular and Cellular Biology, 2010, 30, 5406-5420.	1.1	65
23	Crystal Structure of the Gtr1pGTP-Gtr2pGDP Protein Complex Reveals Large Structural Rearrangements Triggered by GTP-to-GDP Conversion. Journal of Biological Chemistry, 2012, 287, 29648-29653.	1.6	60
24	mTORC1 Coordinates Protein Synthesis and Immunoproteasome Formation via PRAS40 to Prevent Accumulation of Protein Stress. Molecular Cell, 2016, 61, 625-639.	4.5	59
25	mRNA 3â€²-UTR shortening is a molecular signature of mTORC1 activation. Nature Communications, 2015, 6, 7218.	5.8	55
26	PLD2 forms a functional complex with mTOR/raptor to transduce mitogenic signals. Cellular Signalling, 2006, 18, 2283-2291.	1.7	52
27	Asp-99 Donates a Hydrogen Bond Not to Tyr-14 but to the Steroid Directly in the Catalytic Mechanism of Î”5-3-Ketosteroid Isomerase fromPseudomonas putidaBiotype Bâ€. Biochemistry, 2000, 39, 903-909.	1.2	49
28	Contribution of the Hydrogen-Bond Network Involving a Tyrosine Triad in the Active Site to the Structure and Function of a Highly Proficient Ketosteroid Isomerase fromPseudomonas putidaBiotype Bâ€,â€¡. Biochemistry, 2000, 39, 4581-4589.	1.2	42
29	Hsf1 Activation Inhibits Rapamycin Resistance and TOR Signaling in Yeast Revealed by Combined Proteomic and Genetic Analysis. PLoS ONE, 2008, 3, e1598.	1.1	41
30	The Role of Tyr248 Probed by Mutant Bovine Carboxypeptidase A:Â Insight into the Catalytic Mechanism of Carboxypeptidase Aâ€. Biochemistry, 2001, 40, 10197-10203.	1.2	39
31	Role of Catalytic Residues in Enzymatic Mechanisms of Homologous Ketosteroid Isomerasesâ€,â€¡. Biochemistry, 2000, 39, 13891-13896.	1.2	37
32	Quantitative Nuclear Proteomics Identifies mTOR Regulation of DNA Damage Response. Molecular and Cellular Proteomics, 2010, 9, 403-414.	2.5	37
33	Uncoordinated 51â€like kinase 2 signaling pathway regulates epithelialâ€mesenchymal transition in A549 lung cancer cells. FEBS Letters, 2016, 590, 1365-1374.	1.3	32
34	Unconventional Secretion of Adipocyte Fatty Acid Binding Protein 4 Is Mediated By Autophagic Proteins in a Sirtuin-1â€“Dependent Manner. Diabetes, 2019, 68, 1767-1777.	0.3	32
35	15N NMR Relaxation Studies of Backbone Dynamics in Free and Steroid-Bound Î”5-3-Ketosteroid Isomerase from Pseudomonas testosteroni. Biochemistry, 2001, 40, 3967-3973.	1.2	31
36	Expression, Purification, and Identification of a Novel Self-Cleavage Site of the NIa C-Terminal 27-kDa Protease of Turnip Mosaic Potyvirus C5. Virology, 1995, 213, 517-525.	1.1	30

#	Article	IF	Citations
37	Effects of Internal Cleavages and Mutations in the C-Terminal Region of NIa Protease of Turnip Mosaic Potyvirus on the Catalytic Activity. Virology, 1996, 226, 183-190.	1.1	24
38	Roles of Active Site Aromatic Residues in Catalysis by Ketosteroid Isomerase from Pseudomonas putida Biotype B. Biochemistry, 1999, 38, 13810-13819.	1.2	19
39	Folding Mechanism of Ketosteroid Isomerase from Comamonas testosteroni. Biochemistry, 2001, 40, 5011-5017.	1.2	17
40	Roles of dimerization in folding and stability of ketosteroid isomerase from Pseudomonas putida biotype B. Protein Science, 2001, 10, 741-752.	3.1	17
41	A Novel Mechanism for NF-Î°B-activation via IÎ°B-aggregation: Implications for Hepatic Mallory-Denk-Body Induced Inflammation. Molecular and Cellular Proteomics, 2020, 19, 1968-1986.	2.5	17
42	Characterization of NIa Protease from Turnip Mosaic Potyvirus Exhibiting a Low-Temperature Optimum Catalytic Activity. Virology, 1996, 221, 245-249.	1.1	16
43	dRAGging Amino Acid-mTORC1 Signaling by SH3BP4. Molecules and Cells, 2013, 35, 1-6.	1.0	16
44	Equilibrium and Kinetic Analysis of Folding of Ketosteroid Isomerase from Comamonas testosteroni. Biochemistry, 2000, 39, 13084-13092.	1.2	15
45	N-(1-Benzyl-3,5-dimethyl-1H-pyrazol-4-yl)benzamides: Antiproliferative Activity and Effects on mTORC1 and Autophagy. ACS Medicinal Chemistry Letters, 2017, 8, 90-95.	1.3	12
46	Characterization of Active-Site Residues of the NIa Protease from Tobacco Vein Mottling Virus. Molecules and Cells, 2000, 10, 505-511.	1.0	10
47	Maintenance of Î±-Helical Structures by Phenyl Rings in the Active-Site Tyrosine Triad Contributes to Catalysis and Stability of Ketosteroid Isomerase fromPseudomonas putidaBiotype Bâ€. Biochemistry, 2001, 40, 13529-13537.	1.2	10
48	Effects of Mutations in the C-terminal Region of NIa Protease oncis-Cleavage between NIa and NIb. Virology, 1998, 241, 94-100.	1.1	9
49	An expanded role for mTORC1 in autophagy. Molecular and Cellular Oncology, 2016, 3, e1010958.	0.3	9
50	Molecular Cloning, Expression, and Purification of Nuclear Inclusion A Protease from Tobacco Vein Mottling Virus. Molecules and Cells, 2000, 10, 148-155.	1.0	8
51	GÎ²L regulates TNFÎ±-induced NF-ÐªB signaling by directly inhibiting the activation of IÐªB kinase. Cellular Signalling, 2008, 20, 2127-2133.	1.7	8
52	Temperature and salt effects on proteolytic function of turnip mosaic potyvirus nuclear inclusion protein a exhibiting a low-temperature optimum activity. BBA - Proteins and Proteomics, 2000, 1480, 29-40.	2.1	6
53	Down regulation of Peroxiredoxin-3 in 3T3-L1 adipocytes leads to oxidation of Rictor in the mammalian-target of rapamycin complex 2 (mTORC2). Biochemical and Biophysical Research Communications, 2017, 493, 1311-1317.	1.0	6
54	Contribution of Conserved Amino Acids at the Dimeric Interface to the Conformational Stability and the Structural Integrity of the Active Site in Ketosteroid Isomerase from Pseudomonas putida Biotype B. Journal of Biochemistry, 2003, 134, 101-110.	0.9	5

#	Article	IF	Citations
55	Defective autophagy and increased apoptosis contribute toward the pathogenesis of FKRP-associated muscular dystrophies. Stem Cell Reports, 2021, 16, 2752-2767.	2.3	5
56	Efficient Cross-Correlation Filtering of One- and Two-Color Single Molecule Localization Microscopy Data. Frontiers in Bioinformatics, 2021, 1, .	1.0	4
57	Potyvirus Nla Protease. , 2013, , 2427-2432.		0
58	Immunoproteasome Inhibition to Target AML with Activated RAS Pathways. Blood, 2016, 128, 577-577.	0.6	0