

Ji-Hoon Lee

List of Publications by Year in descending order

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36
papers

4,671
citations

218381

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329751

37
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all docs

46
docs citations

46
times ranked

7204
citing authors

#	ARTICLE	IF	CITATIONS
1	ATM Activation by DNA Double-Strand Breaks Through the Mre11-Rad50-Nbs1 Complex. <i>Science</i> , 2005, 308, 551-554.	6.0	1,218
2	Direct Activation of the ATM Protein Kinase by the Mre11/Rad50/Nbs1 Complex. <i>Science</i> , 2004, 304, 93-96.	6.0	653
3	ATM functions at the peroxisome to induce pexophagy in response to ROS. <i>Nature Cell Biology</i> , 2015, 17, 1259-1269.	4.6	361
4	A forward chemical genetic screen reveals an inhibitor of the Mre11-Rad50-Nbs1 complex. <i>Nature Chemical Biology</i> , 2008, 4, 119-125.	3.9	340
5	The Mre11/Rad50/Nbs1 Complex and Its Role as a DNA Double-Strand Break Sensor for ATM. <i>Cell Cycle</i> , 2005, 4, 737-740.	1.3	163
6	Catalytic and Noncatalytic Roles of the CtIP Endonuclease in Double-Strand Break End Resection. <i>Molecular Cell</i> , 2014, 54, 1022-1033.	4.5	158
7	Hyperthermia Activates a Subset of Ataxia-Telangiectasia Mutated Effectors Independent of DNA Strand Breaks and Heat Shock Protein 70 Status. <i>Cancer Research</i> , 2007, 67, 3010-3017.	0.4	153
8	Nbs1 Converts the Human Mre11/Rad50 Nuclease Complex into an Endo/Exonuclease Machine Specific for Protein-DNA Adducts. <i>Molecular Cell</i> , 2016, 64, 593-606.	4.5	131
9	ATP-driven Rad50 conformations regulate DNA tethering, end resection, and ATM checkpoint signaling. <i>EMBO Journal</i> , 2014, 33, 482-500.	3.5	129
10	53BP1 promotes ATM activity through direct interactions with the MRN complex. <i>EMBO Journal</i> , 2010, 29, 574-585.	3.5	105
11	Regulation of the DNA Damage Response by DNA-PKcs Inhibitory Phosphorylation of ATM. <i>Molecular Cell</i> , 2017, 65, 91-104.	4.5	105
12	Cellular functions of the protein kinase ATM and their relevance to human disease. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 796-814.	16.1	105
13	Multiple autophosphorylation sites are dispensable for murine ATM activation in vivo. <i>Journal of Cell Biology</i> , 2008, 183, 777-783.	2.3	100
14	Rad50 Adenylate Kinase Activity Regulates DNA Tethering by Mre11/Rad50 Complexes. <i>Molecular Cell</i> , 2007, 25, 647-661.	4.5	94
15	Ataxia Telangiectasia-Mutated (ATM) Kinase Activity Is Regulated by ATP-driven Conformational Changes in the Mre11/Rad50/Nbs1 (MRN) Complex. <i>Journal of Biological Chemistry</i> , 2013, 288, 12840-12851.	1.6	92
16	ATM directs DNA damage responses and proteostasis via genetically separable pathways. <i>Science Signaling</i> , 2018, 11, .	1.6	87
17	Regulation of Mre11/Rad50 by Nbs1. <i>Journal of Biological Chemistry</i> , 2003, 278, 45171-45181.	1.6	81
18	ATM Protein-dependent Phosphorylation of Rad50 Protein Regulates DNA Repair and Cell Cycle Control. <i>Journal of Biological Chemistry</i> , 2011, 286, 31542-31556.	1.6	74

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19	Mitochondrial redox sensing by the kinase ATM maintains cellular antioxidant capacity. <i>Science Signaling</i> , 2018, 11, .	1.6	71
20	Sae2/CtIP prevents R-loop accumulation in eukaryotic cells. <i>ELife</i> , 2018, 7, .	2.8	55
21	Mitochondria at the crossroads of ATM-mediated stress signaling and regulation of reactive oxygen species. <i>Redox Biology</i> , 2020, 32, 101511.	3.9	50
22	Proteome-wide identification of HSP70/HSC70 chaperone clients in human cells. <i>PLoS Biology</i> , 2020, 18, e3000606.	2.6	43
23	Homology-directed repair protects the replicating genome from metabolic assaults. <i>Developmental Cell</i> , 2021, 56, 461-477.e7.	3.1	38
24	Purification and Biochemical Characterization of Ataxia-Related telangiectasia Mutated and Mre11/Rad50/Nbs1. <i>Methods in Enzymology</i> , 2006, 408, 529-539.	0.4	36
25	Functional Activation of ATM by the Prostate Cancer Suppressor NKX3.1. <i>Cell Reports</i> , 2013, 4, 516-529.	2.9	33
26	Poly-ADP-ribosylation drives loss of protein homeostasis in ATM and Mre11 deficiency. <i>Molecular Cell</i> , 2021, 81, 1515-1533.e5.	4.5	33
27	Redox activation of ATM enhances GSNOR translation to sustain mitophagy and tolerance to oxidative stress. <i>EMBO Reports</i> , 2021, 22, e50500.	2.0	30
28	Ancient and Recent Adaptive Evolution of Primate Non-Homologous End Joining Genes. <i>PLoS Genetics</i> , 2010, 6, e1001169.	1.5	28
29	Rad50 ATPase activity is regulated by DNA ends and requires coordination of both active sites. <i>Nucleic Acids Research</i> , 2017, 45, 5255-5268.	6.5	27
30	Direct Activation of ATM by Resveratrol under Oxidizing Conditions. <i>PLoS ONE</i> , 2014, 9, e97969.	1.1	26
31	<i>Drosophila</i> liquid facets-Related encodes Golgi epsin and is an essential gene required for cell proliferation, growth, and patterning. <i>Developmental Biology</i> , 2009, 331, 1-13.	0.9	17
32	Homeodomain Proteins Directly Regulate ATM Kinase Activity. <i>Cell Reports</i> , 2018, 24, 1471-1483.	2.9	7
33	The Cancer-Associated ATM R3008H Mutation Reveals the Link between ATM Activation and Its Exchange. <i>Cancer Research</i> , 2021, 81, 426-437.	0.4	7
34	<i>Drosophila</i> Tel2 Is Expressed as a Translational Fusion with EpsinR and Is a Regulator of Wingless Signaling. <i>PLoS ONE</i> , 2012, 7, e46357.	1.1	6
35	The Conserved ATM Kinase RAG2-S365 Phosphorylation Site Limits Cleavage Events in Individual Cells Independent of Any Repair Defect. <i>Cell Reports</i> , 2017, 21, 979-993.	2.9	6
36	Rad17, the clamp loader that loads more than clamps. <i>EMBO Journal</i> , 2014, 33, 783-785.	3.5	3