

Yukio Kimata

List of Publications by Year in descending order

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49
papers

4,104
citations

201674

27
h-index

206112

48
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49
all docs

49
docs citations

49
times ranked

4580
citing authors

#	ARTICLE	IF	CITATIONS
1	Diphtheria toxin receptor-mediated conditional and targeted cell ablation in transgenic mice. <i>Nature Biotechnology</i> , 2001, 19, 746-750.	17.5	428
2	Translational Pausing Ensures Membrane Targeting and Cytoplasmic Splicing of XBP1 mRNA. <i>Science</i> , 2011, 331, 586-589.	12.6	315
3	Two regulatory steps of ER-stress sensor Ire1 involving its cluster formation and interaction with unfolded proteins. <i>Journal of Cell Biology</i> , 2007, 179, 75-86.	5.2	279
4	Translational control by the ER transmembrane kinase/ribonuclease IRE1 under ER stress. <i>Nature Cell Biology</i> , 2001, 3, 158-164.	10.3	266
5	Dissociation of Kar2p/BiP from an ER Sensory Molecule, Ire1p, Triggers the Unfolded Protein Response in Yeast. <i>Biochemical and Biophysical Research Communications</i> , 2000, 279, 445-450.	2.1	263
6	A role for BiP as an adjustor for the endoplasmic reticulum stress-sensing protein Ire1. <i>Journal of Cell Biology</i> , 2004, 167, 445-456.	5.2	236
7	Membrane aberrancy and unfolded proteins activate the endoplasmic reticulum stress sensor Ire1 in different ways. <i>Molecular Biology of the Cell</i> , 2011, 22, 3520-3532.	2.1	225
8	Molecular Characterization of Two Arabidopsis Ire1 Homologs, Endoplasmic Reticulum-Located Transmembrane Protein Kinases. <i>Plant Physiology</i> , 2001, 127, 949-962.	4.8	213
9	Genetic Evidence for a Role of BiP/Kar2 That Regulates Ire1 in Response to Accumulation of Unfolded Proteins. <i>Molecular Biology of the Cell</i> , 2003, 14, 2559-2569.	2.1	188
10	Endoplasmic reticulum stress-sensing mechanisms in yeast and mammalian cells. <i>Current Opinion in Cell Biology</i> , 2011, 23, 135-142.	5.4	181
11	Cotranslational Targeting of XBP1 Protein to the Membrane Promotes Cytoplasmic Splicing of Its Own mRNA. <i>Molecular Cell</i> , 2009, 34, 191-200.	9.7	151
12	Activation of mammalian IRE1 α upon ER stress depends on dissociation of BiP rather than on direct interaction with unfolded proteins. <i>Experimental Cell Research</i> , 2009, 315, 2496-2504.	2.6	148
13	Yeast unfolded protein response pathway regulates expression of genes for anti-oxidative stress and for cell surface proteins. <i>Genes To Cells</i> , 2005, 11, 59-69.	1.2	126
14	Self-association and BiP dissociation are not sufficient for activation of the ER stress sensor Ire1. <i>Journal of Cell Science</i> , 2007, 120, 1681-1688.	2.0	97
15	Thermosensitivity of Green Fluorescent Protein Fluorescence Utilized to Reveal Novel Nuclear-Like Compartments in a Mutant Nucleoporin NSP11. <i>Journal of Biochemistry</i> , 1995, 118, 13-17.	1.7	91
16	Identification of a Novel Non-structural Maintenance of Chromosomes (SMC) Component of the SMC5-SMC6 Complex Involved in DNA Repair. <i>Journal of Biological Chemistry</i> , 2002, 277, 21585-21591.	3.4	90
17	JPDI, a Novel Endoplasmic Reticulum-resident Protein Containing Both a BiP-interacting J-domain and Thioredoxin-like Motifs. <i>Journal of Biological Chemistry</i> , 2003, 278, 2669-2676.	3.4	89
18	A Novel Mutation Which Enhances the Fluorescence of Green Fluorescent Protein at High Temperatures. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 69-73.	2.1	82

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19	Isolation and Characterization of a Putative Transducer of Endoplasmic Reticulum Stress in <i>Oryza sativa</i> . <i>Plant and Cell Physiology</i> , 2002, 43, 532-539.	3.1	65
20	A Novel ER J-protein DNAJB12 Accelerates ER-associated Degradation of Membrane Proteins Including CFTR. <i>Cell Structure and Function</i> , 2010, 35, 107-116.	1.1	57
21	Loss of Hsp70-Hsp40 Chaperone Activity Causes Abnormal Nuclear Distribution and Aberrant Microtubule Formation in M-phase of <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 29727-29737.	3.4	47
22	The <i>Saccharomyces cerevisiae</i> RuvB-like Protein, Tih2p, Is Required for Cell Cycle Progression and RNA Polymerase II-directed Transcription. <i>Journal of Biological Chemistry</i> , 2000, 275, 22409-22417.	3.4	47
23	Impairment of the DNA Binding Activity of the TATA-binding Protein Renders the Transcriptional Function of Rvb2p/Tih2p, the Yeast RuvB-like Protein, Essential for Cell Growth. <i>Journal of Biological Chemistry</i> , 2003, 278, 14647-14656.	3.4	33
24	Acetic Acid Causes Endoplasmic Reticulum Stress and Induces the Unfolded Protein Response in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 1192.	3.5	31
25	Cold atmospheric pressure plasma causes protein denaturation and endoplasmic reticulum stress in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2279-2288.	3.6	31
26	Ethanol stress impairs protein folding in the endoplasmic reticulum and activates Ire1 in <i>Saccharomyces cerevisiae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1389-1391.	1.3	29
27	Bound and nonclustered mode of Ire1 evokes a weak but sustained unfolded protein response. <i>Genes To Cells</i> , 2013, 18, 288-301.	1.2	28
28	Molecular Characterization of Two Arabidopsis Ire1 Homologs, Endoplasmic Reticulum-Located Transmembrane Protein Kinases. <i>Plant Physiology</i> , 2001, 127, 949-962.	4.8	27
29	Sfb2p, a Yeast Protein Related to Sec24p, Can Function as a Constituent of COPII Coats Required for Vesicle Budding from the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2000, 275, 17900-17908.	3.4	23
30	<i>Saccharomyces cerevisiae</i> Rot1p Is an ER-Localized Membrane Protein That May Function with BiP/Kar2p in Protein Folding. <i>Journal of Biochemistry</i> , 2006, 139, 597-605.	1.7	23
31	4-Phenylbutyrate suppresses the unfolded protein response without restoring protein folding in <i>Saccharomyces cerevisiae</i> . <i>FEMS Yeast Research</i> , 2018, 18, .	2.3	22
32	The unfolded protein response alongside the diauxic shift of yeast cells and its involvement in mitochondria enlargement. <i>Scientific Reports</i> , 2019, 9, 12780.	3.3	22
33	Zinc Depletion Activates the Endoplasmic Reticulum-Stress Sensor Ire1 via Pleiotropic Mechanisms. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1337-1339.	1.3	20
34	Mutation of the Yeast .EPSILON.-COP Gene ANU2 Causes Abnormal Nuclear Morphology and Defects in Intracellular Vesicular Transport.. <i>Cell Structure and Function</i> , 1999, 24, 197-208.	1.1	18
35	Transgenic Mice Expressing a Fully Nontoxic Diphtheria Toxin Mutant, not CRM197 Mutant, Acquire Immune Tolerance against Diphtheria Toxin. <i>Journal of Biochemistry</i> , 2007, 142, 105-112.	1.7	17
36	Tight regulation of the unfolded protein sensor Ire1 by its intramolecularly antagonizing subdomain. <i>Journal of Cell Science</i> , 2015, 128, 1762-72.	2.0	15

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37	Impaired Proteasome Function Rescues Thermosensitivity of Yeast Cells Lacking the Coatomer Subunit $\hat{\mu}$ -COP. <i>Journal of Biological Chemistry</i> , 2000, 275, 10655-10660.	3.4	12
38	Identification of a novel mammalian endoplasmic reticulum-resident KDEL protein using an EST database motif search. <i>Gene</i> , 2000, 261, 321-327.	2.2	11
39	Induction and Aggravation of the Endoplasmic-Reticulum Stress by Membrane-Lipid Metabolic Intermediate Phosphatidyl-N-Monomethylethanolamine. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 743018.	3.7	11
40	Monitoring ADP/ATP ratio in yeast cells using the fluorescent-protein reporter PercevalHR. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 824-828.	1.3	10
41	Elongation Factor 2 in the Liver and Skeletal Muscle of Mice is Decreased by Starvation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000, 64, 2482-2485.	1.3	9
42	Categorization of endoplasmic reticulum stress as accumulation of unfolded proteins or membrane lipid aberrancy using yeast Ire1 mutants. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 326-329.	1.3	8
43	Experimental Approaches for Elucidation of Stress-Sensing Mechanisms of the IRE1 Family Proteins. <i>Methods in Enzymology</i> , 2011, 490, 195-216.	1.0	6
44	The unfolded protein response of yeast <i>Saccharomyces cerevisiae</i> and other organisms. <i>Plant Morphology</i> , 2018, 30, 15-24.	0.1	4
45	[31] S147P green fluorescent protein: A less thermosensitive green fluorescent protein variant. <i>Methods in Enzymology</i> , 1999, 302, 373-378.	1.0	3
46	Causal Links Between Protein Folding in the ER and Events Along the Secretory Pathway. <i>Autophagy</i> , 2006, 2, 323-324.	9.1	3
47	A chimeric mutant analysis in yeast cells suggests BiP independent regulation of the mammalian endoplasmic reticulum-stress sensor IRE1 $\hat{\mu}$. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1527-1530.	1.3	2
48	Aeration mitigates endoplasmic reticulum stress in <i>Saccharomyces cerevisiae</i> even without mitochondrial respiration. <i>Microbial Cell</i> , 2021, 8, 77-86.	3.2	2
49	Self-association status-dependent inactivation of the endoplasmic reticulum stress sensor Ire1 by C-terminal tagging with artificial peptides. <i>Bioscience, Biotechnology and Biochemistry</i> , 2022, , .	1.3	0