Ikuo Wada

List of Publications by Year
in descending order

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111 papers	5,955 citations	71061 41 h-index	74108 75 g-index
113 all docs	113 docs citations	113 times ranked	5762 citing authors

#	Article	IF	Citations
1	Deletion of the initial methionine codon of the Tmem95 gene causes subfertility, but not complete infertility, in male mice. Biology of Reproduction, 2022, 106, 378-381.	1.2	3
2	SEL1L degradation intermediates stimulate cytosolic aggregation of polyglutamineâ€expanded protein. FEBS Journal, 2021, 288, 4637-4654.	2.2	1
3	Evolutionarily conserved sperm factors, DCST1 and DCST2, are required for gamete fusion. ELife, 2021, 10, .	2.8	51
4	IZUMO family member 3, IZUMO3, is involved in male fertility through the acrosome formation. Molecular Reproduction and Development, 2021, 88, 479-481.	1.0	6
5	Front Cover Image, Volume 88, Issue 7, July 2021. Molecular Reproduction and Development, 2021, 88, i.	1.0	0
6	Phosphorylation of human phospholipase A1 DDHD1 at newly identified phosphosites affects its subcellular localization. Journal of Biological Chemistry, 2021, 297, 100851.	1.6	7
7	Unveiling a novel function of CD9 in surface compartmentalization of oocytes. Development (Cambridge), 2020, 147, .	1.2	22
8	Sperm IZUMO1-Dependent Gamete Fusion Influences Male Fertility in Mice. International Journal of Molecular Sciences, 2019, 20, 4809.	1.8	6
9	Integrative genome analysis identified the KANNO blood group antigen as prion protein. Transfusion, 2019, 59, 2429-2435.	0.8	16
10	Alternative splicing of the Izumo1 gene ensures triggering gamete fusion in mice. Scientific Reports, 2019, 9, 3151.	1.6	5
11	SDF2-like protein 1 (SDF2L1) regulates the endoplasmic reticulum localization and chaperone activity of ERdj3 protein. Journal of Biological Chemistry, 2019, 294, 19335-19348.	1.6	17
12	Integral role of receptor for advanced glycation end products (RAGE) in nondiabetic atherosclerosis. Fukushima Journal of Medical Sciences, 2019, 65, 109-121.	0.1	6
13	Complex formation of sphingomyelin synthase 1 with glucosylceramide synthase increases sphingomyelin and decreases glucosylceramide levels. Journal of Biological Chemistry, 2018, 293, 17505-17522.	1.6	25
14	ER-resident protein 46 (ERp46) triggers the mannose-trimming activity of ER degradationâ€“enhancing Î±-mannosidaseâ€“like protein 3 (EDEM3). Journal of Biological Chemistry, 2018, 293, 10663-10674.	1.6	29
15	Monitoring dimeric status of IZUMO1 during the acrosome reaction in living spermatozoon. Cell Cycle, 2018, 17, 1279-1285.	1.3	17
16	Phosphorylation of SNAP-23 at Ser95 causes a structural alteration and negatively regulates Fc receptorâ€“mediated phagosome formation and maturation in macrophages. Molecular Biology of the Cell, 2018, 29, 1753-1762.	0.9	10
17	Heparin cross-linked collagen sponge scaffolds improve functional regeneration of rat tracheal epithelium. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3027-3037.	1.3	9
18	Endoplasmic reticulum proteins <scp>SDF</scp>2 and <scp>SDF</scp>2L1 act as components of the BiP chaperone cycle to prevent protein aggregation. Genes To Cells, 2017, 22, 684-698.	0.5	26

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19	Carboxyl-terminal Tail-mediated Homodimerizations of Sphingomyelin Synthases Are Responsible for Efficient Export from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2017, 292, 1122-1141.	1.6	8
20	Ex vivo Pretreatment of Islets with Mitomycin C. Cell Transplantation, 2017, 26, 1392-1404.	1.2	7
21	M1 macrophage infiltrations and histological changes in the liver after portal vein embolization using fibrinogen and OK432 in the rat. Cellular Immunology, 2016, 303, 66-71.	1.4	2
22	Regeneration of tracheal epithelium using mouse induced pluripotent stem cells. Acta Oto-Laryngologica, 2016, 136, 373-378.	0.3	3
23	Association of the SEL1L protein transmembrane domain with HRD1 ubiquitin ligase regulates ERADâ€L. FEBS Journal, 2016, 283, 157-172.	2.2	16
24	Potential of laryngeal muscle regeneration using induced pluripotent stem cell-derived skeletal muscle cells. Acta Oto-Laryngologica, 2016, 136, 391-396.	0.3	7
25	Generation of airway epithelial cells with native characteristics from mouse induced pluripotent stem cells. Cell and Tissue Research, 2016, 364, 319-330.	1.5	10
26	Characterization of Russell Bodies Accumulating Mutant Antithrombin Derived from the Endoplasmic Reticulum. Biological and Pharmaceutical Bulletin, 2015, 38, 852-861.	0.6	4
27	Visualization of mouse induced pluripotent stem cells for evaluation of tracheal regeneration. Acta Oto-Laryngologica, 2015, 135, 395-401.	0.3	3
28	In situ visualization of a glycoform of transferrin: localization of Â2,6-sialylated transferrin in the liver. Journal of Biochemistry, 2015, 157, 211-216.	0.9	4
29	Oocyte-triggered dimerization of sperm IZUMO1 promotes spermâ€“egg fusion in mice. Nature Communications, 2015, 6, 8858.	5.8	87
30	Structural change of N-glycan exposes hydrophobic surface of human transferrin. Glycobiology, 2014, 24, 693-702.	1.3	26
31	Constitutive expression of a COOH-terminal leucine mutant of lysosome-associated membrane protein-1 causes its exclusive localization in low density intracellular vesicles. Journal of Biochemistry, 2014, 156, 39-49.	0.9	1
32	Effective embryoid body formation from induced pluripotent stem cells for regeneration of respiratory epithelium. Laryngoscope, 2014, 124, E8-E14.	1.1	6
33	Insulin receptor activation through its accumulation in lipid rafts by mild electrical stress. Journal of Cellular Physiology, 2013, 228, 439-446.	2.0	19
34	Potential for Respiratory Epithelium Regeneration from Induced Pluripotent Stem Cells. Annals of Otology, Rhinology and Laryngology, 2013, 122, 25-32.	0.6	7
35	Regenerative process of tracheal epithelium using a collagen vitrigel sponge scaffold. Laryngoscope, 2013, 123, 1469-1473.	1.1	14
36	Evaluation of the Use of Induced Pluripotent Stem Cells (iPSCs) for the Regeneration of Tracheal Cartilage. Cell Transplantation, 2013, 22, 341-353.	1.2	33

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37	Stepwise Assembly of Fibrinogen Is Assisted by the Endoplasmic Reticulum Lectin-Chaperone System in HepG2 Cells. PLoS ONE, 2013, 8, e74580.	1.1	11
38	ON A ^|^ldquo; FUKUSHIMA RADIATION SYMPOSIUM 2013^|^rdquo; SERIES. Fukushima Journal of Medical Sciences, 2013, 59, 108-109.	0.1	2
39	SNAP-23 regulates phagosome formation and maturation in macrophages. Molecular Biology of the Cell, 2012, 23, 4849-4863.	0.9	39
40	STT3B-Dependent Posttranslational N-Glycosylation as a Surveillance System for Secretory Protein. Molecular Cell, 2012, 47, 99-110.	4.5	69
41	Mice Deficient in Ficolin, a Lectin Complement Pathway Recognition Molecule, Are Susceptible to Streptococcus pneumoniae Infection. Journal of Immunology, 2012, 189, 5860-5866.	0.4	59
42	Development of Cysteine-Free Fluorescent Proteins for the Oxidative Environment. PLoS ONE, 2012, 7, e37551.	1.1	53
43	FUKUSHIMA SYMPOSIUM: A BRIEF NOTE. Fukushima Journal of Medical Sciences, 2012, 57, 69-69.	0.1	2
44	Autofluorescence of the Cells in Human Subretinal Fluid. , 2011, 52, 8534.		13
45	Involvement of membrane type 1â€matrix metalloproteinase (MT1â€MMP) in RAGE activation signaling pathways. Journal of Cellular Physiology, 2011, 226, 1554-1563.	2.0	22
46	Inhibition of Rab1 GTPase and Endoplasmic Reticulum-to-Golgi Trafficking Underlies Statin's Toxicity in Rat Skeletal Myofibers. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 62-69.	1.3	25
47	Calsperin Is a Testis-specific Chaperone Required for Sperm Fertility. Journal of Biological Chemistry, 2011, 286, 5639-5646.	1.6	128
48	SEL1L Protein Critically Determines the Stability of the HRD1-SEL1L Endoplasmic Reticulum-associated Degradation (ERAD) Complex to Optimize the Degradation Kinetics of ERAD Substrates. Journal of Biological Chemistry, 2011, 286, 16929-16939.	1.6	79
49	Potential of Induced Pluripotent Stem Cells for the Regeneration of the Tracheal Wall. Annals of Otology, Rhinology and Laryngology, 2010, 119, 697-703.	0.6	21
50	A tissue-engineered trachea derived from a framed collagen scaffold, gingival fibroblasts and adipose-derived stem cells. Biomaterials, 2010, 31, 4855-4863.	5.7	107
51	Bioengineered Trachea with Fibroblasts in a Rabbit Model. Annals of Otology, Rhinology and Laryngology, 2010, 119, 796-804.	0.6	10
52	COOH-terminal isoleucine of lysosome-associated membrane protein-1 is optimal for its efficient targeting to dense secondary lysosomes. Journal of Biochemistry, 2010, 148, 669-679.	0.9	5
53	EDEM1 accelerates the trimming of Â1,2-linked mannose on the C branch of N-glycans. Glycobiology, 2010, 20, 567-575.	1.3	115
54	The ALG-2 Binding Site in Sec31A Influences the Retention Kinetics of Sec31A at the Endoplasmic Reticulum Exit Sites as Revealed by Live-Cell Time-Lapse Imaging. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1819-1826.	0.6	38

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55	Sec22b Is a Negative Regulator of Phagocytosis in Macrophages. Molecular Biology of the Cell, 2009, 20, 4435-4443.	0.9	40
56	Involvement of Na⁺/Ca²⁺ exchanger in migration and contraction of rat cultured tendon fibroblasts. Journal of Physiology, 2009, 587, 5345-5359.	1.3	27
57	Role of calnexin in the ER quality control and productive folding of CFTR; differential effect of calnexin knockout on wild-type and Î”F508 CFTR. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1585-1594.	1.9	27
58	Ypt11 Functions in Bud-Directed Transport of the Golgi by Linking Myo2 to the Coatomer Subunit Ret2. Current Biology, 2008, 18, 987-991.	1.8	49
59	Human XTP3-B Forms an Endoplasmic Reticulum Quality Control Scaffold with the HRD1-SEL1L Ubiquitin Ligase Complex and BiP. Journal of Biological Chemistry, 2008, 283, 20914-20924.	1.6	163
60	Regeneration of the Trachea Using a Bioengineered Scaffold with Adipose-Derived Stem Cells. Annals of Otology, Rhinology and Laryngology, 2008, 117, 453-463.	0.6	69
61	Effect of Fibroblasts on Epithelial Regeneration on the Surface of a Bioengineered Trachea. Annals of Otology, Rhinology and Laryngology, 2008, 117, 59-64.	0.6	45
62	Regulated motion of glycoproteins revealed by direct visualization of a single cargo in the endoplasmic reticulum. Journal of Cell Biology, 2008, 180, 129-143.	2.3	26
63	Carboxyl-Terminal Disulfide Bond of Acid Sphingomyelinase Is Critical for Its Secretion and Enzymatic Function. Biochemistry, 2007, 46, 14969-14978.	1.2	16
64	Autoantibody to alanyl-tRNA synthetase in patients with idiopathic pulmonary fibrosis. Respirology, 2007, 12, 642-653.	1.3	25
65	Meltrin ? (ADAM19) mediates ectodomain shedding of Neuregulin ?1 in the Golgi apparatus: fluorescence correlation spectroscopic observation of the dynamics of ectodomain shedding in living cells. Genes To Cells, 2007, 12, 329-343.	0.5	59
66	EDEM accelerates ERAD by preventing aberrant dimer formation of misfolded Î±1-antitrypsin. Genes To Cells, 2006, 11, 465-476.	0.5	70
67	Involvement of Syntaxin 18, an Endoplasmic Reticulum (ER)-localized SNARE Protein, in ER-mediated Phagocytosis. Molecular Biology of the Cell, 2006, 17, 3964-3977.	0.9	83
68	Tissue Engineering for Regeneration of the Tracheal Epithelium. Annals of Otology, Rhinology and Laryngology, 2006, 115, 501-506.	0.6	34
69	Calreticulin Negatively Regulates the Cell Surface Expression of Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 2006, 281, 12841-12848.	1.6	42
70	EDEM3, a Soluble EDEM Homolog, Enhances Glycoprotein Endoplasmic Reticulum-associated Degradation and Mannose Trimming. Journal of Biological Chemistry, 2006, 281, 9650-9658.	1.6	218
71	Involvement of a Novel Q-SNARE, D12, in Quality Control of the Endomembrane System. Journal of Biological Chemistry, 2006, 281, 4495-4506.	1.6	26
72	WAVE/Scars in platelets. Blood, 2005, 105, 3141-3148.	0.6	53

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73	Uninephrectomy induces progressive glomerulosclerosis and apoptosis in anti-Thy1 glomerulonephritis. Pathology International, 2005, 55, 19-26.	0.6	15
74	CK2 phosphorylation of eukaryotic translation initiation factor 5 potentiates cell cycle progression. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15688-15693.	3.3	57
75	Human M-Ficolin Is a Secretory Protein That Activates the Lectin Complement Pathway. Journal of Immunology, 2005, 175, 3150-3156.	0.4	234
76	Î”F508 CFTR Pool in the Endoplasmic Reticulum Is Increased by Calnexin Overexpression. Molecular Biology of the Cell, 2004, 15, 563-574.	0.9	87
77	Regulation of Immature Protein Dynamics in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2004, 279, 21533-21542.	1.6	19
78	Direct detection of caspase-3 activation in single live cells by cross-correlation analysis. Biochemical and Biophysical Research Communications, 2004, 324, 849-854.	1.0	89
79	Characterization of the Trafficking Pathway of Cystic Fibrosis Transmembrane Conductance Regulator in Baby Hamster Kidney Cells. Journal of Pharmacological Sciences, 2004, 95, 471-475.	1.1	13
80	Differential localization of lipid phosphate phosphatases 1 and 3 to cell surface subdomains in polarized MDCK cells. FEBS Letters, 2003, 552, 240-246.	1.3	36
81	Cyclic AMP induces phosphorylation of claudin-5 immunoprecipitates and expression of claudin-5 gene in bloodâ€“brain-barrier endothelial cells via protein kinase A-dependent and -independent pathways. Experimental Cell Research, 2003, 290, 275-288.	1.2	176
82	EDEM As an Acceptor of Terminally Misfolded Glycoproteins Released from Calnexin. Science, 2003, 299, 1394-1397.	6.0	424
83	CrkL Directs ASAP1 to Peripheral Focal Adhesions. Journal of Biological Chemistry, 2003, 278, 6456-6460.	1.6	49
84	Enhancement of Endoplasmic Reticulum (ER) Degradation of Misfolded Null Hong Kong Î±1-Antitrypsin by Human ER Mannosidase I. Journal of Biological Chemistry, 2003, 278, 26287-26294.	1.6	184
85	Diacylglycerol Kinase Î´ Suppresses ER-to-Golgi Traffic via Its SAM and PH Domains. Molecular Biology of the Cell, 2002, 13, 302-316.	0.9	70
86	A Critical Role for the Carboxy Terminal Region of the Proprotein Convertase, PACE4A, in the Regulation of Its Autocatalytic Activation Coupled with Secretion. Biochemical and Biophysical Research Communications, 2002, 290, 878-884.	1.0	11
87	Calnexin Î”185-520 partially reverses the misprocessing of the Î”F508 cystic fibrosis transmembrane conductance regulator1. FEBS Letters, 2002, 526, 87-92.	1.3	17
88	Tyrosinase and Tyrosinase-Related Protein 1 Require Rab7 for Their Intracellular Transport. Journal of Investigative Dermatology, 2002, 119, 475-480.	0.3	39
89	Calmegin Is Required for Fertilin Î±/Î² Heterodimerization and Sperm Fertility. Developmental Biology, 2001, 240, 254-261.	0.9	124
90	The molecular basis of oculocutaneous albinism type 1 (OCA1): sorting failure and degradation of mutant tyrosinases results in a lack of pigmentation. Biochemical Journal, 2001, 355, 259-269.	1.7	118

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91	Evidence for Distinct Membrane Traffic Pathways to Melanosomes and Lysosomes in Melanocytes. Journal of Investigative Dermatology Symposium Proceedings, 2001, 6, 19-24.	0.8	15
92	A novel ER Î±â€mannosidaseâ€like protein accelerates ERâ€associated degradation. EMBO Reports, 2001, 2, 415-422.	2.0	421
93	Oculocutaneous albinism types 1 and 3 are ER retention diseases: mutation of tyrosinase or Tyrp1 can affect the processing of both mutant and wildâ€type proteins. FASEB Journal, 2001, 15, 2149-2161.	0.2	146
94	Extracellular Toll-Like Receptor 2 Region Containing Ser40-Ile64 but Not Cys30-Ser39 Is Critical for the Recognition ofStaphylococcus aureus Peptidoglycan. Journal of Biological Chemistry, 2001, 276, 41350-41356.	1.6	52
95	The molecular basis of oculocutaneous albinism type 1 (OCA1): sorting failure and degradation of mutant tyrosinases results in a lack of pigmentation. Biochemical Journal, 2001, 355, 259.	1.7	63
96	A Melanosome-associated Monoclonal Antibody J1 Recognizes Luminal Membrane of Prelysosomes Common to Biogenesis of Melanosomes and Lysosomes.. Cell Structure and Function, 2001, 26, 169-177.	0.5	1
97	Molecular characterization of the type 2 phosphatidic acid phosphatase. Chemistry and Physics of Lipids, 1999, 98, 119-126.	1.5	23
98	Failure to detect genetic alteration of the mannose-6-phosphate/insulin-like growth factor 2 receptor (M6P/IGF2R) gene in hepatocellular carcinomas in japan. Hepatology, 1999, 29, 1718-1721.	3.6	37
99	Cloning and Characterization of Two Human Isozymes of Mg2+-independent Phosphatidic Acid Phosphatase. Journal of Biological Chemistry, 1997, 272, 24572-24578.	1.6	153
100	Phosphatidic acid phosphatase from mammalian tissues: discovery of channel-like proteins with unexpected functions. Lipids and Lipid Metabolism, 1997, 1348, 56-62.	2.6	30
101	The putative chaperone calmegin is required for sperm fertility. Nature, 1997, 387, 607-611.	13.7	273
102	Molecular properties of enzymes involved in diacylglycerol and phosphatidate metabolism. Journal of Lipid Mediators and Cell Signalling, 1996, 14, 245-250.	1.0	6
103	Translocation of diacylglycerol kinase Î± to the nuclear matrix of rat thymocytes and peripheral T-lymphocytes. FEBS Letters, 1996, 393, 48-52.	1.3	32
104	The C-terminal part of diacylglycerol kinase Î± lacking zinc fingers serves as a catalytic domain. Biochemical Journal, 1996, 318, 583-590.	1.7	72
105	Multiple small intestinal stromal tumors with skeinoid fibers in association with neurofibromatosis 1 (von Recklinghausen's disease). Pathology International, 1996, 46, 689-695.	0.6	41
106	Identification and cDNA Cloning of 35-kDa Phosphatidic Acid Phosphatase (Type 2) Bound to Plasma Membranes. Journal of Biological Chemistry, 1996, 271, 18931-18938.	1.6	103
107	Molecular Cloning of a Novel Diacylglycerol Kinase Isozyme with a Pleckstrin Homology Domain and a C-terminal Tail Similar to Those of the EPH Family of Protein-tyrosine Kinases. Journal of Biological Chemistry, 1996, 271, 8394-8401.	1.6	155
108	Chaperone Function of Calreticulin When Expressed in the Endoplasmic Reticulum as the Membrane-anchored and Soluble Forms. Journal of Biological Chemistry, 1995, 270, 20298-20304.	1.6	139

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109	Diacylglycerol kinase and phosphatidic acid phosphataseâ€"enzymes metabolizing lipid second messengers. Cellular Signalling, 1993, 5, 495-503.	1.7	47
110	Reconstitution of apo-DT-diaphorase with flavin-adenine dinucleotide.. Chemical and Pharmaceutical Bulletin, 1986, 34, 4840-4843.	0.6	1
111	Enhancement of Reduction Activity of 4NQO in Animals pretreated with 3-Methylcholanthrene-type PCB and PCDF (Regular Presentations) (Proceedings of the 8th Symposium on Environmental) Tj ETQq1 1 0.784314 rgBT /Overlock 10 P37-P37.	0.1	0