Kenichiro Imai

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/317655/publications.pdf

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45 papers

2,029 citations

³⁶¹⁴¹³
20
h-index

265206 42 g-index

49 all docs 49 docs citations

times ranked

49

3463 citing authors

#	Article	IF	CITATIONS
1	MitoFates: Improved Prediction of Mitochondrial Targeting Sequences and Their Cleavage Sites*. Molecular and Cellular Proteomics, 2015, 14, 1113-1126.	3.8	470
2	Molecular architecture of the active mitochondrial protein gate. Science, 2015, 349, 1544-1548.	12.6	169
3	Prediction of homoprotein and heteroprotein complexes by protein docking and templateâ€based modeling: A CASPâ€CAPRI experiment. Proteins: Structure, Function and Bioinformatics, 2016, 84, 323-348.	2.6	148
4	Structure of the mitochondrial import gate reveals distinct preprotein paths. Nature, 2019, 575, 395-401.	27.8	146
5	Tam41 Is a CDP-Diacylglycerol Synthase Required for Cardiolipin Biosynthesis in Mitochondria. Cell Metabolism, 2013, 17, 709-718.	16.2	135
6	SOSUI-GramN: high performance prediction for sub-cellular localization of proteins in Gram-negative bacteria. Bioinformation, 2008, 2, 417-421.	0.5	94
7	Prediction of subcellular locations of proteins: Where to proceed?. Proteomics, 2010, 10, 3970-3983.	2.2	81
8	Mechanisms of secondary structure breakers in soluble proteins. Biophysics (Nagoya-shi, Japan), 2005, 1, 55-65.	0.4	78
9	Extensive cargo identification reveals distinct biological roles of the 12 importin pathways. ELife, 2017, 6, .	6.0	77
10	Prediction of leucine-rich nuclear export signal containing proteins with NESsential. Nucleic Acids Research, 2011, 39, e111-e111.	14.5	54
11	Origin and Evolutionary Alteration of the Mitochondrial Import System in Eukaryotic Lineages. Molecular Biology and Evolution, 2017, 34, 1574-1586.	8.9	52
12	Evolutionary analyses of caspaseâ€8 and its paralogs: Deep origins of the apoptotic signaling pathways. BioEssays, 2015, 37, 767-776.	2.5	48
13	Tyrosine phosphorylation of the GARU E3 ubiquitin ligase promotes gibberellin signalling by preventing GID1 degradation. Nature Communications, 2017, 8, 1004.	12.8	47
14	Porin Associates with Tom22 to Regulate the Mitochondrial Protein Gate Assembly. Molecular Cell, 2019, 73, 1044-1055.e8.	9.7	47
15	Functional conservation of the apoptotic machinery from coral to man: the diverse and complex Bcl-2 and caspase repertoires of Acropora millepora. BMC Genomics, 2016, 17, 62.	2.8	45
16	Identification of Cargo Proteins Specific for the Nucleocytoplasmic Transport Carrier Transportin by Combination of an in Vitro Transport System and Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC)-based Quantitative Proteomics. Molecular and Cellular Proteomics, 2013, 12, 145-157.	3.8	39
17	Eukaryote-wide sequence analysis of mitochondrial \hat{l}^2 -barrel outer membrane proteins. BMC Genomics, 2011, 12, 79.	2.8	36
18	<p>Current Challenges and Opportunities in Designing Protein–Protein Interaction Targeted Drugs</p> . Advances and Applications in Bioinformatics and Chemistry, 2020, Volume 13, 11-25.	2.6	34

#	Article	IF	Citations
19	Role of the TOM Complex in Protein Import into Mitochondria: Structural Views. Annual Review of Biochemistry, 2022, 91, 679-703.	11.1	31
20	The Apoptotic Initiator Caspase-8: Its Functional Ubiquity and Genetic Diversity during Animal Evolution. Molecular Biology and Evolution, 2014, 31, 3282-3301.	8.9	25
21	Identification of new abscisic acid receptor agonists using a wheat cell-free based drug screening system. Scientific Reports, 2018, 8, 4268.	3.3	23
22	Tools for the Recognition of Sorting Signals and the Prediction of Subcellular Localization of Proteins From Their Amino Acid Sequences. Frontiers in Genetics, 2020, 11, 607812.	2.3	17
23	A Novel Mitosomal β-Barrel Outer Membrane Protein in Entamoeba. Scientific Reports, 2015, 5, 8545.	3.3	16
24	Structural snapshot of the mitochondrial protein import gate. FEBS Journal, 2021, 288, 5300-5310.	4.7	14
25	Screening and discovery of lineage-specific mitosomal membrane proteins in Entamoeba histolytica. Molecular and Biochemical Parasitology, 2016, 209, 10-17.	1.1	13
26	Mitochondrial β-Barrel Proteins, an Exclusive Club?. Cell, 2008, 135, 1158-1159.	28.9	11
27	ScreenCap3: Improving prediction of caspaseâ€3 cleavage sites using experimentally verified noncleavage sites. Proteomics, 2014, 14, 2042-2046.	2.2	9
28	Hinge-Deficient IgG1 Fc Fusion: Application to Human Lactoferrin. Molecular Pharmaceutics, 2017, 14, 3025-3035.	4.6	7
29	An Entamoeba-Specific Mitosomal Membrane Protein with Potential Association to the Golgi Apparatus. Genes, 2019, 10, 367.	2.4	7
30	Mammalian BCAS3 and C16orf70 associate with the phagophore assembly site in response to selective and non-selective autophagy. Autophagy, 2021, 17, 2011-2036.	9.1	6
31	Conservation of structure and function in vertebrate c-FLIP proteins despite rapid evolutionary change. Biochemistry and Biophysics Reports, 2015, 3, 175-189.	1.3	5
32	Novel lineageâ€specific transmembrane βâ€barrel proteins in the endoplasmic reticulum of <i>EntamoebaÂhistolytica</i> . FEBS Journal, 2019, 286, 3416-3432.	4.7	4
33	Distinct mutations in importin- \hat{l}^2 family nucleocytoplasmic transport receptors transportin-SR and importin-13 affect specific cargo binding. Scientific Reports, 2021, 11, 15649.	3.3	4
34	Entamoeba histolytica EHD1 Is Involved in Mitosome-Endosome Contact. MBio, 2022, 13, e0384921.	4.1	4
35	Ultrasonic Properties of a Binary System of a Soluble Protein, α-Lactalbumin and Dimyristoyl Phosphatidylcholine Membrane. Japanese Journal of Applied Physics, 2000, 39, 2948-2949.	1.5	3
36	Localization Prediction and Structure-Based In Silico Analysis of Bacterial Proteins: With Emphasis on Outer Membrane Proteins. Methods in Molecular Biology, 2013, 939, 115-140.	0.9	3

#	Article	IF	Citations
37	Unfolding is the driving force for mitochondrial import and degradation of the Parkinson's disease-related protein DJ-1. Journal of Cell Science, 2021, 134, .	2.0	3
38	Secondary structure breakers and hairpin structures in myoglobin and hemoglobin. Chem-Bio Informatics Journal, 2005, 5, 65-77.	0.3	3
39	Physicochemical properties of amino acid sequences of G-proteins for understanding GPCR-G-protein coupling. Chem-Bio Informatics Journal, 2006, 6, 1-16.	0.3	2
40	Import of Entamoeba histolytica Mitosomal ATP Sulfurylase Relies on Internal Targeting Sequences. Microorganisms, 2020, 8, 1229.	3.6	2
41	Common Pattern of Coarse-Grained Charge Distribution of Structurally Analogous Proteins. Chem-Bio Informatics Journal, 2003, 3, 194-200.	0.3	2
42	Effect of Carbonic Anhydrase II in Molten Globule State on Physical Properties of Dimyristoylphosphatidylcholine Liposome. Japanese Journal of Applied Physics, 2001, 40, 3521-3525.	1.5	1
43	Prediction of Protein Localization. , 2019, , 53-59.		1
44	Lack of Hikeshi activates HSF1 activity under normal conditions and disturbs the heat-shock response. Life Science Alliance, 2022, 5, e202101241.	2.8	1
45	A Fourth Type of Secondary Structure Breaker. , 2007, , 165-170.		O