Kazuki Saito

List of Publications by Year
in descending order

53 papers	2,358 citations	430874 18 h-index	214800 47 g-index
53 all docs	53 docs citations	53 times ranked	2840 citing authors

#	Article	IF	Citations
1	Crystal Structure of the Complex of Human Epidermal Growth Factor and Receptor Extracellular Domains. Cell, 2002, 110, 775-787.	28.9	1,013
2	Site-specific incorporation of an unnatural amino acid into proteins in mammalian cells. Nucleic Acids Research, 2002, 30, 4692-4699.	14.5	231
3	A computational model on the modulation of mitogen-activated protein kinase (MAPK) and Akt pathways in heregulin-induced ErbB signalling. Biochemical Journal, 2003, 373, 451-463.	3.7	220
4	A wasp venom mastoparan-induced polyphosphoinositide breakdown in rat peritoneal mast cells. FEBS Letters, 1985, 188, 363-366.	2.8	73
5	Design and synthesis of potent Î²-secretase (BACE1) inhibitors with carboxylic acid bioisosteres. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2380-2386.	2.2	71
6	Characterization of the N-Oligosaccharides Attached to the Atypical Asn-X-Cys Sequence of Recombinant Human Epidermal Growth Factor Receptor. Journal of Biochemistry, 2000, 127, 65-72.	1.7	63
7	Î²-Secretase inhibitors: Modification at the P4 position and improvement of inhibitory activity in cultured cells. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4354-4359.	2.2	55
8	A structure-based strategy for discovery of small ligands binding to functionally unknown proteins: Combination ofin silico screening and surface plasmon resonance measurements. Proteomics, 2005, 5, 1472-1480.	2.2	48
9	Novel non-peptidic and small-sized BACE1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1654-1658.	2.2	46
10	General method for preparing altrosides from 2,3-manno-epoxides and its application to synthesis of alternative Î²-cyclodextrin with an altroside as the constituent of macrocyclic structure. Tetrahedron Letters, 1994, 35, 9577-9580.	1.4	44
11	Molecular basis of wing coloration in a Batesian mimic butterfly, Papilio polytes. Scientific Reports, 2013, 3, 3184.	3.3	44
12	A New physalin from Physalis alkekengi: structure of physalin L. Phytochemistry, 1987, 26, 3313-3317.	2.9	41
13	BACE1 inhibitors: Optimization by replacing the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.gif" overflow="scroll"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mtext>P</mml:mtext></mml:mrow><mml:mrow><mml:mn>1 /><mml:none /><mml:mrow><mml:mo>â€²</mml:mo></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> residue with non-acidic moiety. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1649-1653.	2.2	40
14	Simultaneous quantification of individual intermediate steroids in silkworm ecdysone biosynthesis by liquid chromatographyâ€“tandem mass spectrometry with multiple reaction monitoring. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 915-916, 52-56.	2.3	40
15	Phosphodiester bond cleavage mediated by a cyclic Î²-sheet peptide-based dinuclear zinc(ii) complex. Chemical Communications, 2000, , 1315-1316.	4.1	39
16	The Structure of Physalin T fromPhysalis alkekengivar.francheti. Journal of Asian Natural Products Research, 2001, 3, 199-205.	1.4	28
17	Chimeric receptor analyses of the interactions of the ectodomains of ErbB-1 with epidermal growth factor and of those of ErbB-4 with neuregulin. FEBS Journal, 2002, 269, 2323-2329.	0.2	26
18	Molecular aggregation and conformational change of wasp venom mastoparan as induced by salt in aqueous solution. Biochimica Et Biophysica Acta - General Subjects, 1984, 802, 157-161.	2.4	18

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19	Inhibitory effect of a dimerization-arm-mimetic peptide on EGF receptor activation. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3279-3282.	2.2	17
20	Evaluation of dimerizationâ€“inhibitory activities of cyclic peptides containing a Î²-hairpin loop sequence of the EGF receptor. Bioorganic and Medicinal Chemistry, 2012, 20, 5730-5737.	3.0	17
21	Further evidence for the involvement of insulin receptor substrates in epidermal growth factor-induced activation of phosphatidylinositol 3-kinase. FEBS Journal, 2001, 268, 4158-4168.	0.2	15
22	Preparation, Stereochemistry, and Antibacterial Activity of Gramicidin S Analogs ContainingN-Methyl Groups. Bulletin of the Chemical Society of Japan, 1991, 64, 35-41.	3.2	14
23	Chemotactic peptide from ropalidian wasp as well as the authentic chemotactic tripeptide stimulates two distinct pathways in neutrophils, but the [LYS7] analog does only one of them. Biochemical and Biophysical Research Communications, 1991, 175, 165-172.	2.1	13
24	Determination of the structures of tris(6-O-mesitylenesulfonyl)-.alpha.-cyclodextrin regioisomers by proton NMR analyses of the corresponding 3,6-anhydrocyclodextrin derivatives. Journal of Organic Chemistry, 1993, 58, 2936-2937.	3.2	13
25	Intact-cell-based surface plasmon resonance measurements for ligand affinity evaluation of a membrane receptor. Analytical Biochemistry, 2012, 420, 185-187.	2.4	13
26	Synthesis of a wasp venom tetradecapeptide, mastoparan, with a new cleaving system for 4-methoxy-2,3,6-trimethylbenzenesulfonyl (Mtr) amino-protecting group.. Chemical and Pharmaceutical Bulletin, 1984, 32, 2187-2193.	1.3	11
27	Role of lysine residue at 7th position of wasp chemotactic peptides. Biochemical and Biophysical Research Communications, 1990, 168, 844-849.	2.1	11
28	Structures of autoxidation products of 2-tert-butyl-4-methoxyphenol in aqueous alkaline solution. Journal of Organic Chemistry, 1989, 54, 4215-4217.	3.2	10
29	Highly sensitive detection of E2 activity in ubiquitination using an artificial RING finger. Journal of Peptide Science, 2017, 23, 222-227.	1.4	10
30	NTA-mediated protein capturing strategy in screening experiments for small organic molecules by surface plasmon resonance. Proteomics, 2007, 7, 494-499.	2.2	9
31	Verification of protein disulfide bond arrangement by inâ€gel tryptic digestion under entirely neutral pH conditions. Proteomics, 2010, 10, 1505-1509.	2.2	7
32	Concise machinery for monitoring ubiquitination activities using novel artificial RING fingers. Protein Science, 2018, 27, 1354-1363.	7.6	7
33	Application of plugâ€“plug technique to <scp>ACE</scp> experiments for discovery of peptides binding to a larger target protein: A model study of calmodulinâ€binding fragments selected from a digested mixture of reduced <scp>BSA</scp>. Electrophoresis, 2014, 35, 846-854.	2.4	6
34	Zinc finger domain of the human DTX protein adopts a unique RING fold. Protein Science, 2019, 28, 1151-1156.	7.6	6
35	Ligand-dependent responses of the silkworm prothoracicotropic hormone receptor, Torso, are maintained by unusual intermolecular disulfide bridges in the transmembrane region. Scientific Reports, 2016, 6, 22437.	3.3	5
36	The zinc finger domain of RING finger protein 141 reveals a unique RING fold. Protein Science, 2017, 26, 1681-1686.	7.6	5

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37	Unique autoâ€ubiquitination activities of artificial RING fingers in cancer cells. Protein Science, 2018, 27, 1704-1709.	7.6	5
38	Such Hydrophobic Peptides as Dansylated Mastoparan Can Elevate the Fertilization Membrane of Sea Urchin Eggs. Biochemical and Biophysical Research Communications, 1995, 215, 828-834.	2.1	4
39	The unique Nâ€terminal zinc finger of synaptotagminâ€like protein 4 reveals FYVE structure. Protein Science, 2017, 26, 2451-2457.	7.6	4
40	SELECTIVE N-METHYLATION OF PEPTIDE BOND. PREPARATION AND PROPERTIES OF [MeOrn2,2â€², D-MePhe4,4â€²]GRAMICIDIN S. Chemistry Letters, 1984, 13, 1835-1836.	1.3	3
41	Unique RING finger structure from the human HRD1 protein. Protein Science, 2019, 28, 448-453.	7.6	3
42	A 1H-NMR study of the solution conformation of Icaria chemotactic peptide and its [Lys7] analog: Effects on the physiological activity of a substitution of proline to lysine at position 7. Biochemical and Biophysical Research Communications, 1990, 168, 596-603.	2.1	2
43	Stereochemistry of protected ornithine side chains in gramicidin S derivatives and their resistance to N-methylation. International Journal of Peptide Research and Therapeutics, 1998, 5, 5-12.	0.1	2
44	Solution structure of the zinc finger domain of human RNF144A ubiquitin ligase. Protein Science, 2020, 29, 1836-1842.	7.6	2
45	Title is missing!. International Journal of Peptide Research and Therapeutics, 1998, 5, 5-12.	0.1	1
46	Quantitative evaluation of refolding conditions for a disulfide-bond-containing protein using a concise18O-labeling technique. Protein Science, 2011, 20, 1090-1096.	7.6	1
47	Prothoracicotropic Hormone. , 2016, , 407-e55-2.		1
48	Solution structure of the PHD finger from the human KIAA1045 protein. Protein Science, 2018, 27, 987-992.	7.6	1
49	Fmocâ€based solid phase chemical synthesis of 71â€meric neuregulin 1â€Î²1, an epidermal growth factorâ€like domain. Journal of Peptide Science, 2008, 14, 261-266.	1.4	0
50	Development of Molecular Design Strategy of Artificial Ubiquitin-ligases — Toward Cancer Diagnosis Based on Ubiquitination Activities —. Bunseki Kagaku, 2017, 66, 393-402.	0.2	0
51	Molecular Design of Artificial Ring Fingers for Detecting Ubiquitination Activities. Biophysical Journal, 2018, 114, 408a.	0.5	0
52	Design of aÂSystem for Monitoring Ubiquitination Activities of E2 Enzymes Using Engineered RING Finger Proteins. Methods in Molecular Biology, 2018, 1867, 75-87.	0.9	0
53	Application of plug-plug ACE method to drug discovery in the proteomic era. Seibutsu Butsuri Kagaku, 2014, 58, 71-73.	0.1	0