

Takayuki K Nemoto

List of Publications by Year in descending order

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58
papers

1,247
citations

361413

20
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395702

33
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59
all docs

59
docs citations

59
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Dimer Formation of the 90-kDa Heat-Shock Protein. <i>FEBS Journal</i> , 1995, 233, 1-8.	0.2	156
2	Occurrence of staphylococci in the oral cavities of healthy adults and nasal oral trafficking of the bacteria. <i>Journal of Medical Microbiology</i> , 2008, 57, 95-99.	1.8	147
3	Overexpression of Cortactin Increases Invasion Potential in Oral Squamous Cell Carcinoma. <i>Pathology and Oncology Research</i> , 2010, 16, 523-531.	1.9	45
4	Cysteine protease activity of streptococcal pyrogenic exotoxin B. <i>Canadian Journal of Microbiology</i> , 1994, 40, 930-936.	1.7	44
5	Association of the 90-kDa heat shock protein does not affect the ligand-binding ability of androgen receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1992, 42, 803-812.	2.5	41
6	Dimerization characteristics of the DNA- and steroid-binding domains of the androgen receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1994, 50, 225-233.	2.5	40
7	A hydrophobic segment within the C-terminal domain is essential for both client-binding and dimer formation of the HSP90-family molecular chaperone. <i>FEBS Journal</i> , 2002, 270, 146-154.	0.2	39
8	Asp- and Glu-specific Novel Dipeptidyl Peptidase 11 of <i>Porphyromonas gingivalis</i> Ensures Utilization of Proteinaceous Energy Sources. <i>Journal of Biological Chemistry</i> , 2011, 286, 38115-38127.	3.4	38
9	Substrate-binding characteristics of proteins in the 90%kDa heat shock protein family. <i>Biochemical Journal</i> , 2001, 354, 663-670.	3.7	36
10	Identification and Characterization of Prokaryotic Dipeptidyl-peptidase 5 from <i>Porphyromonas gingivalis</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 5436-5448.	3.4	34
11	The steroid-binding properties of recombinant glucocorticoid receptor: A putative role for heat shock protein hsp90. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1990, 37, 481-490.	2.5	33
12	Overexpression of CRKII increases migration and invasive potential in oral squamous cell carcinoma. <i>Cancer Letters</i> , 2011, 303, 84-91.	7.2	31
13	Antisense Oligonucleotide against Collagen-Specific Molecular Chaperone 47-kDa Heat Shock Protein Suppresses Scar Formation in Rat Wounds. <i>Plastic and Reconstructive Surgery</i> , 2003, 111, 1980-1987.	1.4	28
14	Purification and Characterization of a Nonhormone-Binding Component of the Nontransformed Glucocorticoid Receptor from Rat Liver1. <i>Journal of Biochemistry</i> , 1987, 102, 513-523.	1.7	26
15	Skp2 Regulates the Expression of MMP-2 and MMP-9, and Enhances the Invasion Potential of Oral Squamous Cell Carcinoma. <i>Pathology and Oncology Research</i> , 2016, 22, 625-632.	1.9	25
16	Exopeptidases and gingipains in <i>Porphyromonas gingivalis</i> as prerequisites for its amino acid metabolism. <i>Japanese Dental Science Review</i> , 2016, 52, 22-29.	5.1	25
17	Degradation of Incretins and Modulation of Blood Glucose Levels by Periodontopathic Bacterial Dipeptidyl Peptidase 4. <i>Infection and Immunity</i> , 2017, 85, .	2.2	25
18	Characterization of the glutamyl endopeptidase from <i>Staphylococcus aureus</i> expressed in <i>Escherichia coli</i> . <i>FEBS Journal</i> , 2008, 275, 573-587.	4.7	24

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19	Substrate-binding characteristics of proteins in the 90 kDa heat shock protein family. <i>Biochemical Journal</i> , 2001, 354, 663.	3.7	23
20	Discrimination based on Gly and Arg/Ser at position 673 between dipeptidyl-peptidase (DPP) 7 and DPP11, widely distributed DPPs in pathogenic and environmental gram-negative bacteria. <i>Biochimie</i> , 2013, 95, 824-832.	2.6	23
21	Simvastatin suppresses the differentiation of C2C12 myoblast cells via a Rac pathway. <i>Journal of Muscle Research and Cell Motility</i> , 2008, 29, 127-134.	2.0	21
22	Interaction between the N-terminal and Middle Regions Is Essential for the in Vivo Function of HSP90 Molecular Chaperone. <i>Journal of Biological Chemistry</i> , 2002, 277, 34959-34966.	3.4	20
23	Phenylalanine 664 of dipeptidyl peptidase (DPP) 7 and Phenylalanine 671 of DPP11 mediate preference for P2 position hydrophobic residues of a substrate. <i>FEBS Open Bio</i> , 2013, 3, 177-183.	2.3	19
24	A bone substitute with high affinity for vitamin D binding protein relationship with niche of osteoclasts. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 170-180.	3.6	16
25	A <i>Porphyromonas gingivalis</i> Periplasmic Novel Exopeptidase, Acylpeptidyl Oligopeptidase, Releases N-Acylated Di- and Tripeptides from Oligopeptides. <i>Journal of Biological Chemistry</i> , 2016, 291, 5913-5925.	3.4	16
26	Dipeptidyl peptidases: Key enzymes producing entry forms of extracellular proteins in asaccharolytic periodontopathic bacterium <i>Porphyromonas gingivalis</i> . <i>Molecular Oral Microbiology</i> , 2021, 36, 145-156.	2.7	16
27	A Disulfide Bridge Mediated by Cysteine 574 Is Formed in the Dimer of the 70-kDa Heat Shock Protein. <i>Journal of Biochemistry</i> , 2006, 139, 677-687.	1.7	15
28	Effects of fosfomycin on Shiga toxin-producing <i>Escherichia coli</i> : quantification of copy numbers of Shiga toxin-encoding genes and their expression levels using real-time PCR. <i>Journal of Medical Microbiology</i> , 2009, 58, 971-973.	1.8	14
29	Bacterial protease uses distinct thermodynamic signatures for substrate recognition. <i>Scientific Reports</i> , 2017, 7, 2848.	3.3	14
30	Homologous and heterologous expression and maturation processing of extracellular glutamyl endopeptidase of <i>Staphylococcus epidermidis</i> . <i>Biological Chemistry</i> , 2008, 389, 1209-1217.	2.5	13
31	Liberation of the intramolecular interaction as the mechanism of heat-induced activation of HSP90 molecular chaperone. <i>FEBS Journal</i> , 2001, 268, 5270-5277.	0.2	12
32	The Mr 90,000 Heat Shock Protein-Free Androgen Receptor Has a High Affinity for Steroid, in Contrast to the Glucocorticoid Receptor1. <i>Journal of Biochemistry</i> , 1991, 109, 113-119.	1.7	11
33	Substitution of only two residues of human Hsp90 causes impeded dimerization of Hsp90. <i>Cell Stress and Chaperones</i> , 2008, 13, 97-104.	2.9	11
34	Involvement of geranylgeranylation of Rho and Rac GTPases in adipogenic and RANKL expression, which was inhibited by simvastatin. <i>Cell Biochemistry and Function</i> , 2013, 31, 652-659.	2.9	11
35	Activation of the rat liver androgen-receptor complex. <i>Biochemical and Biophysical Research Communications</i> , 1984, 120, 953-958.	2.1	10
36	Domain-domain interactions of HtpG, an <i>Escherichia coli</i> homologue of eukaryotic HSP90 molecular chaperone. <i>FEBS Journal</i> , 2001, 268, 5258-5269.	0.2	10

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37	A Comprehensive Study on the Immunological Reactivity of the Hsp90 Molecular Chaperone. <i>Journal of Biochemistry</i> , 2004, 136, 711-722.	1.7	10
38	Distribution of dipeptidyl peptidase (DPP) 4, DPP5, DPP7, and DPP11 in human oral microbiota – potent biomarkers indicating presence of periodontopathic bacteria. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	10
39	Heterogeneity of molybdate-stabilized, nontransformed glucocorticoid receptor from rat liver. <i>Biochemical and Biophysical Research Communications</i> , 1985, 131, 1139-1145.	2.1	9
40	Identification of the pentapeptide constituting a dominant epitope common to all eukaryotic heat shock protein 90 molecular chaperones. <i>Cell Stress and Chaperones</i> , 2005, 10, 296.	2.9	9
41	Amino acid residues modulating the activities of staphylococcal glutamyl endopeptidases. <i>Biological Chemistry</i> , 2010, 391, 1221-32.	2.5	9
42	Identification of Dipeptidyl-Peptidase (DPP)5 and DPP7 in <i>Porphyromonas endodontalis</i> , Distinct from Those in <i>Porphyromonas gingivalis</i> . <i>PLoS ONE</i> , 2014, 9, e114221.	2.5	9
43	Interaction of Neuropeptide Y and Hsp90 through a Novel Peptide Binding Region. <i>Biochemistry</i> , 2003, 42, 12972-12980.	2.5	8
44	An <i>Escherichia coli</i> expression system for glutamyl endopeptidases optimized by complete suppression of autodegradation. <i>Analytical Biochemistry</i> , 2008, 381, 74-80.	2.4	8
45	Determination of three amino acids causing alteration of proteolytic activities of staphylococcal glutamyl endopeptidases. <i>Biological Chemistry</i> , 2009, 390, 277-285.	2.5	7
46	Establishment of potent and specific synthetic substrate for dipeptidyl-peptidase 7. <i>Analytical Biochemistry</i> , 2018, 548, 78-81.	2.4	7
47	Single Nucleotide Polymorphism that Accompanies a Missense Mutation (Gln488His) Impedes the Dimerization of Hsp90. <i>Protein Journal</i> , 2009, 28, 24-28.	1.6	6
48	Expanded substrate specificity supported by P1 ² and P2 ² residues enables bacterial dipeptidyl-peptidase 7 to degrade bioactive peptides. <i>Journal of Biological Chemistry</i> , 2022, 298, 101585.	3.4	6
49	The Region Adjacent to the Highly Immunogenic Site and Shielded by the Middle Domain Is Responsible for Self-Oligomerization/Client Binding of the HSP90 Molecular Chaperone. <i>Biochemistry</i> , 2004, 43, 7628-7636.	2.5	5
50	Two forms of apatite deposited during mineralization of the hen tendon. <i>Matrix Biology</i> , 2005, 24, 239-244.	3.6	5
51	Dominant prevalence of <i>Porphyromonas gingivalis</i> fimA types I and IV in healthy Japanese children. <i>Journal of Dental Sciences</i> , 2017, 12, 213-219.	2.5	5
52	Identification of a new subtype of dipeptidyl peptidase 11 and a third group of the S46-family members specifically present in the genus <i>Bacteroides</i> . <i>Biochimie</i> , 2018, 147, 25-35.	2.6	5
53	Preferential dipeptide incorporation of <i>Porphyromonas gingivalis</i> mediated by proton-dependent oligopeptide transporter (Pot). <i>FEMS Microbiology Letters</i> , 2021, 367, .	1.8	5
54	Characterization of substrate specificity and novel autoprocessing mechanism of dipeptidase A from <i>Prevotella intermedia</i> . <i>Biological Chemistry</i> , 2020, 401, 629-642.	2.5	4

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55	Stability and Transformation of the Glucocorticoid Receptor under Acidic Conditions1. Journal of Biochemistry, 1988, 103, 920-927.	1.7	3
56	Suppressive effects of Na ⁺ -bisphosphonate in osteoblastic cells mitigated by non ⁺ -Na ⁺ -bisphosphonate but not by sodium ⁺ -dependent phosphate cotransporter inhibitor. Cell Biochemistry and Function, 2019, 37, 400-407.	2.9	3
57	Characterization of bacterial acylpeptidyl-oligopeptidase. Biochimie, 2019, 163, 50-57.	2.6	1
58	Co-overexpression of cortactin and CRKII increases migration and invasive potential in oral squamous cell carcinoma. Journal of Oral and Maxillofacial Surgery, Medicine, and Pathology, 2014, 26, 14-21.	0.3	0