

Takashi Nakazawa

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,138
citations

394421

19
h-index

414414

32
g-index

55
all docs

55
docs citations

55
times ranked

1071
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Paleoenvironment and human hunting activity during MIS 2 in southern Jordan: Isotope records of prey remains and paleosols. <i>Quaternary Science Reviews</i> , 2022, 282, 107432. | 3.0 | 5 |
| 2 | Effect of UVC Irradiation on the Oxidation of Histidine in Monoclonal Antibodies. <i>Scientific Reports</i> , 2020, 10, 6333. | 3.3 | 20 |
| 3 | Analysis of the archaeological specimens with protein chemistry and mass spectrometry to address the issues of ancient culture and civilization. <i>Impact</i> , 2018, 2018, 69-71. | 0.1 | 0 |
| 4 | X-Ray snapshots of a pyridoxal enzyme: a catalytic mechanism involving concerted [1,5]-hydrogen sigmatropy in methionine β -lyase. <i>Scientific Reports</i> , 2017, 7, 4874. | 3.3 | 10 |
| 5 | Imidazole C-2 Hydrogen/Deuterium Exchange Reaction at Histidine for Probing Protein Structure and Function with Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Biochemistry</i> , 2014, 53, 1818-1826. | 2.5 | 10 |
| 6 | The triple helical structure and stability of collagen model peptide with 4-hydroxyprolyl-prolyl units. <i>Biopolymers</i> , 2012, 98, 111-121. | 2.4 | 18 |
| 7 | Conformational preferences of 4-chloroproline residues. <i>Biopolymers</i> , 2012, 97, 629-641. | 2.4 | 7 |
| 8 | Polymorphism of Collagen Triple Helix Revealed by ^{19}F NMR of Model Peptide [Pro-4-Hydroxyprolyl-Gly] ₃ -[Pro-4-Fluoroprolyl-Gly] ₃ . <i>Journal of Physical Chemistry B</i> , 2012, 116, 6908-6915. | 2.4 | 3 |
| 9 | C-Terminal sequencing of protein by MALDI mass spectrometry through the specific derivatization of the α -carboxyl group with 3-aminopropyltris-(2,4,6-trimethoxyphenyl)phosphonium bromide. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 125-132. | 3.7 | 10 |
| 10 | Enzymatic conversion of arginine to citrulline for improving fragmentation of α -tris-(2,4,6-trimethoxyphenyl)phosphonium-acetylated peptides by tandem mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 2829. | 2.7 | 4 |
| 11 | Specific Racemization of Heavy-Chain Cysteine-220 in the Hinge Region of Immunoglobulin Gamma 1 as a Possible Cause of Degradation during Storage. <i>Analytical Chemistry</i> , 2011, 83, 3857-3864. | 6.5 | 32 |
| 12 | A method for N-terminal de novo sequencing of N-blocked proteins by mass spectrometry. <i>Analyst</i> , 2011, 136, 113-119. | 3.5 | 16 |
| 13 | Structure and reaction mechanism of human nicotinamide phosphoribosyltransferase. <i>Journal of Biochemistry</i> , 2010, 147, 95-107. | 1.7 | 33 |
| 14 | Conversion of arginine to ornithine for improving the fragmentation pattern of peptides labeled with the N-terminal tris-(2,4,6-trimethoxyphenyl)phosphonium group in tandem mass spectrometry. <i>Analytical Methods</i> , 2010, 2, 1792. | 2.7 | 8 |
| 15 | A new approach for detecting C-terminal amidation of proteins and peptides by mass spectrometry in conjunction with chemical derivatization. <i>Proteomics</i> , 2009, 9, 4063-4070. | 2.2 | 21 |
| 16 | Preparation and conformational analysis of C-glycosyl α - and β -peptides. <i>Carbohydrate Research</i> , 2009, 344, 613-626. | 2.3 | 10 |
| 17 | Terminal proteomics: N- and C-terminal analyses for high-fidelity identification of proteins using MS. <i>Proteomics</i> , 2008, 8, 673-685. | 2.2 | 45 |
| 18 | Selective isolation of N-terminal peptides from proteins and their de novo sequencing by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry without regard to unblocking or blocking of N-terminal amino acids. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3313-3319. | 1.5 | 21 |

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|----|---|------|-----------|
| 19 | Determination of pK_a Values of Individual Histidine Residues in Proteins Using Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 6481-6487. | 6.5 | 75 |
| 20 | 1P-063 QM and NMR Analysis of Tautomerization of His64 Coupled to Ionization of Zinc-Bound Solvent during Proton Transfer in Carbonic Anhydrase(The 46th Annual Meeting of the Biophysical Society of) Tj ETQq0 0 OrgBT /Overlock 10 TF | | |
| 21 | Tautomerism of histidine 64 associated with proton transfer in catalysis of Carbonic Anhydrase. <i>FASEB Journal</i> , 2008, 22, 611.23. | 0.5 | 0 |
| 22 | Tautomerism of Histidine 64 Associated with Proton Transfer in Catalysis of Carbonic Anhydrase. <i>Journal of Biological Chemistry</i> , 2007, 282, 9646-9656. | 3.4 | 65 |
| 23 | High sequence-coverage detection of proteolytic peptides using a bis(terpyridine)ruthenium(ii) complex. <i>Analyst</i> , The, 2007, 132, 358. | 3.5 | 5 |
| 24 | Simultaneous detection of N-terminal fragment ions in a protein mixture using a ruthenium(II) complex. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2647-2653. | 1.5 | 5 |
| 25 | Specific isolation of N-terminal fragments from proteins and their high-fidelity <i>de novo</i> sequencing. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3329-3336. | 1.5 | 21 |
| 26 | Enhancement of MALDI-MS Spectra of C-Terminal Peptides by the Modification of Proteins via an Active Ester Generated in Situ from an Oxazolone. <i>Analytical Chemistry</i> , 2006, 78, 7861-7869. | 6.5 | 24 |
| 27 | Chemistry in Proteomics: An Interplay between Classical Methods in Chemical Modification of Proteins and Mass Spectrometry at the Cutting Edge. <i>Current Proteomics</i> , 2006, 3, 33-54. | 0.3 | 6 |
| 28 | Application of Bis(terpyridine)ruthenium(II) to N-Terminal Amino Acid Sequencing. <i>Chemistry Letters</i> , 2005, 34, 332-333. | 1.3 | 11 |
| 29 | Collagen-like triple helix formation of synthetic (Pro-Pro-Gly) ₁₀ analogues: (4(S)-hydroxyprolyl-4(R)-hydroxyprolyl-Gly) ₁₀ , (4(R)-hydroxyprolyl-4(R)-hydroxyprolyl-Gly) ₁₀ and (4(S)-fluoroprolyl-4(R)-fluoroprolyl-Gly) ₁₀ . <i>Journal of Peptide Science</i> , 2005, 11, 609-616. | 1.4 | 31 |
| 30 | High-Throughput Method for N-Terminal Sequencing of Proteins by MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 645-651. | 6.5 | 47 |
| 31 | Effect of Hydration on the Stability of the Collagen-like Triple-Helical Structure of [4(R)-Hydroxyprolyl-4(R)-hydroxyprolyl-glycine] ₁₀ . <i>Biochemistry</i> , 2005, 44, 15812-15822. | 2.5 | 61 |
| 32 | Different Effects of 4-Hydroxyproline and 4-Fluoroproline on the Stability of Collagen Triple Helix. <i>Biochemistry</i> , 2005, 44, 6034-6042. | 2.5 | 64 |
| 33 | Enhanced responses in matrix-assisted laser desorption/ionization mass spectrometry of peptides derivatized with arginine via a C-terminal oxazolone. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 799-807. | 1.5 | 20 |
| 34 | Rapid and Sensitive Amino-Acid Sequencing of Cloning <i>Thermus thermophilus</i> HB8 Ferredoxin by Proteomics. <i>Journal of Proteome Research</i> , 2004, 3, 983-987. | 3.7 | 7 |
| 35 | Stabilization mechanism of triple helical structure of collagen molecules. <i>International Journal of Peptide Research and Therapeutics</i> , 2003, 10, 533-537. | 0.1 | 13 |
| 36 | Characterization of Collagen Model Peptides Containing 4-Fluoroproline; (4(S)-Fluoroproline-Pro-Gly) ₁₀ Forms a Triple Helix, but (4(R)-Fluoroproline-Pro-Gly) ₁₀ Does Not. <i>Journal of the American Chemical Society</i> , 2003, 125, 9922-9923. | 13.7 | 67 |

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|----|---|-----|-----------|
| 37 | Stabilization mechanism of triple helical structure of collagen molecules. International Journal of Peptide Research and Therapeutics, 2003, 10, 533-537. | 1.9 | 6 |
| 38 | A pH-dependent variation in α -helix structure of the S-peptide of ribonuclease A studied by Monte Carlo simulated annealing. Biopolymers, 2002, 63, 273-279. | 2.4 | 3 |
| 39 | Simple and efficient syntheses of Boc- and Fmoc-protected 4(R)- and 4(S)-fluoroproline solely from 4(R)-hydroxyproline. Tetrahedron, 2002, 58, 8453-8459. | 1.9 | 46 |
| 40 | Synthesis of novel all-cis-functionalized cyclopropane template-assembled collagen models. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1870-1875. | 1.3 | 9 |
| 41 | β -sheet formation in BPTI(16-36) by Monte Carlo simulated annealing. Chemical Physics Letters, 1999, 299, 17-24. | 2.6 | 13 |
| 42 | A novel derivatization method with 5-bromonicotinic acid N-hydroxysuccinimide for determination of the amino acid sequences of peptides. , 1998, 12, 603-608. | | 25 |
| 43 | Synthesis of β -Dehydrotryptophan by reaction of indole with the β -(N-methylamino)dehydroalanine derivative. Tetrahedron Letters, 1998, 39, 1381-1384. | 1.4 | 5 |
| 44 | Synthesis and characterization of β -O-tosyldehydroserine as a precursor of dehydroamino acids. Tetrahedron Letters, 1997, 38, 8951-8954. | 1.4 | 21 |
| 45 | β -Helix Propensities of Amino Acids Studied by Multicanonical Algorithm. Chemistry Letters, 1995, 24, 391-392. | 1.3 | 12 |
| 46 | Photophysical properties of viologen-linked n-alkylporphyrins and their zinc(II) complexes in solutions. Studies in Physical and Theoretical Chemistry, 1995, , 353-356. | 0.0 | 0 |
| 47 | β -Helix structure of parathyroid hormone fragment (1-34) predicted by Monte Carlo simulated annealing. International Journal of Peptide and Protein Research, 1993, 42, 300-303. | 0.1 | 15 |
| 48 | β -sheet folding of fragment (16-36) of bovine pancreatic trypsin inhibitor as predicted by Monte Carlo simulated annealing. Protein Engineering, Design and Selection, 1992, 5, 495-503. | 2.1 | 18 |
| 49 | Site-Specific ^{13}C -Labeling of Trp 62 in Hen Egg-White Lysozyme: Preparation and ^{13}C -NMR Titration of [^{13}C]Trp 62-Lysozyme. Journal of Biochemistry, 1991, 110, 295-300. | 1.7 | 1 |
| 50 | Degradation of 5'-Ribonucleotides Caused by the Peroxidation of Methyl Linoleate in Dehydrated Systems.. Agricultural and Biological Chemistry, 1991, 55, 2273-2279. | 0.3 | 0 |
| 51 | Prediction of β -Helix Folding of Isolated C-Peptide of Ribonuclease A by Monte Carlo Simulated Annealing. Chemistry Letters, 1991, 20, 213-216. | 1.3 | 60 |
| 52 | Monte Carlo Simulated Annealing Prediction for β -Helix Propensity of Amino Acid Homopolymers. Chemistry Letters, 1991, 20, 1279-1282. | 1.3 | 9 |
| 53 | Degradation of 5'-Ribonucleotides Caused by the Peroxidation of Methyl Linoleate in Dehydrated Systems. Agricultural and Biological Chemistry, 1991, 55, 2273-2279. | 0.3 | 0 |
| 54 | β -Helix folding by Monte Carlo simulated annealing in isolated C-peptide of ribonuclease A. Protein Engineering, Design and Selection, 1991, 4, 639-647. | 2.1 | 94 |