

# Tomoyuki Oe

## List of Publications by Year in descending order

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83  
papers

2,412  
citations

236833

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85  
all docs

85  
docs citations

85  
times ranked

2357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative studies for amyloid beta degradation: "Nepriylsin vs insulysin", "monomeric vs aggregate", and "whole A $\beta$ 40 vs its peptide fragments". Biochemistry and Biophysics Reports, 2022, 30, 101268.	0.7	6
2	Robust analysis of angiotensin peptides in human plasma: Column switching-parallel LC/ESI-SRM/MS without adsorption or enzymatic decomposition. Analytical Biochemistry, 2021, 630, 114327.	1.1	4
3	Alternative LC/ESI-MS/MS approach to screen hemoglobin N-terminal modifications. International Journal of Mass Spectrometry, 2021, 468, 116651.	0.7	1
4	Screening of Chemical Modifications in Human Skin Keratins by Mass Spectrometry-Based Proteomic Analysis via Noninvasive Sampling and On-Tape Digestion. Journal of Proteome Research, 2020, 19, 3837-3845.	1.8	0
5	Carnosine and anserine in chicken can quench toxic acrylamide under cooking conditions: Mass spectrometric studies on adduct formation and characterization. Food Chemistry, 2020, 333, 127480.	4.2	6
6	LC-MS analyses of N-acetyl-p-benzoquinone imine-adducts of glutathione, cysteine, N-acetylcysteine, and albumin in a plasma sample: A case study from a patient with a rare acetaminophen-induced acute swelling rash. Journal of Toxicological Sciences, 2019, 44, 559-563.	0.7	10
7	Angiotensin II-Induced Oxidative Stress in Human Endothelial Cells: Modification of Cellular Molecules through Lipid Peroxidation. Chemical Research in Toxicology, 2019, 32, 1412-1422.	1.7	19
8	Biomimetic trapping cocktail to screen reactive metabolites: use of an amino acid and DNA motif mixture as light/heavy isotope pairs differing in mass shift. Analytical and Bioanalytical Chemistry, 2018, 410, 3847-3857.	1.9	2
9	Imidazole dipeptides can quench toxic 4-oxo-2(1H-imidazol-5-yl)nonenal: Molecular mechanism and mass spectrometric characterization of the reaction products. Journal of Peptide Science, 2018, 24, e3097.	0.8	5
10	Inhibition effect of pyridoxamine on lipid hydroperoxide-derived modifications to human serum albumin. PLoS ONE, 2018, 13, e0196050.	1.1	7
11	Stable isotope labeling by fatty acids in cell culture (SILFAC) coupled with isotope pattern dependent mass spectrometry for global screening of lipid hydroperoxide-mediated protein modifications. Journal of Proteomics, 2017, 166, 101-114.	1.2	4
12	Quantitative LC/ESI-SRM/MS of antibody biopharmaceuticals: use of a homologous antibody as an internal standard and three-step method development. Analytical and Bioanalytical Chemistry, 2017, 409, 5523-5532.	1.9	7
13	Mass spectrometry data from proteomic analysis of human skin keratins after exposure to UV radiation. Data in Brief, 2016, 7, 100-106.	0.5	7
14	An LC/ESI-SRM/MS method to screen chemically modified hemoglobin: simultaneous analysis for oxidized, nitrated, lipidated, and glycosylated sites. Analytical and Bioanalytical Chemistry, 2016, 408, 5379-5392.	1.9	9
15	UV irradiation-induced methionine oxidation in human skin keratins: Mass spectrometry-based non-invasive proteomic analysis. Journal of Proteomics, 2016, 133, 54-65.	1.2	13
16	Oxidative stress-mediated N-terminal protein modifications and MS-based approaches for N-terminal proteomics. Drug Metabolism and Pharmacokinetics, 2016, 31, 27-34.	1.1	8
17	Efficient Strategy for Screening Chemical Modifications on Human Serum Albumin: Use of LC/MS/MS and Differential Analysis Software. Bunseki Kagaku, 2015, 64, 653-659.	0.1	7
18	Hydroxyl Radical-Mediated Novel Modification of Peptides: N-Terminal Cyclization through the Formation of $\alpha$ -Ketoamide. Chemical Research in Toxicology, 2015, 28, 59-70.	1.7	10

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19	Angiotensin II modification by decomposition products of linoleic acid-derived lipid hydroperoxide. <i>Chemico-Biological Interactions</i> , 2015, 239, 87-99.	1.7	5
20	Lgr4 Controls Specialization of Female Gonads in Mice. <i>Biology of Reproduction</i> , 2015, 93, 90.	1.2	24
21	Predicted multiple selected reaction monitoring to screen activated drug-mediated modifications on human serum albumin. <i>Analytical Biochemistry</i> , 2014, 449, 59-67.	1.1	14
22	Mass spectrometric characterizations of protein carbonylation: Comparison between three different conditions, oxidation by CuII/ascorbic acid, adduction of methyl glyoxal, and adduction of 4-hydroxy-2(E)-nonenal. <i>International Journal of Mass Spectrometry</i> , 2014, 373, 72-80.	0.7	1
23	N-Terminal Î±-Ketoamide Peptides: Formation and Transamination. <i>Chemical Research in Toxicology</i> , 2014, 27, 637-648.	1.7	16
24	Complete amino acid sequencing and immunoaffinity clean-up can facilitate screening of various chemical modifications on human serum albumin. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7383-7395.	1.9	13
25	Can Edman degradation be used for quantification? Isotope-dilution liquid chromatographyâ€“electrospray ionization tandem mass spectrometry and the long-term stability of 20 phenylthiohydantoin-amino acids. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8001-8010.	1.9	7
26	MALDI-TOF/MS-based label-free binding assay for angiotensin II type 1 receptor: application for novel angiotensin peptides. <i>Analytical Biochemistry</i> , 2013, 437, 10-16.	1.1	14
27	Aldehyde Stress-Mediated Novel Modification of Proteins: Epimerization of the N-Terminal Amino Acid. <i>Chemical Research in Toxicology</i> , 2013, 26, 1926-1936.	1.7	18
28	Chemical modificomics: a novel strategy for efficient biomarker discovery through chemical modifications on a target peptide. <i>Analytical Methods</i> , 2012, 4, 1945.	1.3	7
29	Non-invasive proteomic analysis of human skin keratins: Screening of methionine oxidation in keratins by mass spectrometry. <i>Journal of Proteomics</i> , 2011, 75, 435-449.	1.2	19
30	Synthesis of deuterium-labeled analogs of the lipid hydroperoxide-derived bifunctional electrophile 4-oxo-2(E)-nonenal. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 247-251.	0.5	8
31	Combining [ <sup>13</sup> C <sub>6</sub> ]-phenylisothiocyanate and the Edman degradation reaction: a possible breakthrough for absolute quantitative proteomics together with protein identification. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 173-179.	0.7	18
32	Mass Spectrometric Characterization of Modifications to Angiotensin II by Lipid Peroxidation Products, 4-Oxo-2(E)-nonenal and 4-Hydroxy-2(E)-nonenal. <i>Chemical Research in Toxicology</i> , 2010, 23, 1771-1785.	1.7	25
33	A simple and efficient approach to improve protein identification by the peptide mass fingerprinting method: concomitant use of negative ionization. <i>Analytical Methods</i> , 2010, 2, 1144.	1.3	8
34	Minute Chemical Modifications on Biological Macromolecules: A Possible Breakthrough for Efficient Biomarker Discovery. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2009, 57, 167-172.	0.0	1
35	Determination of cellular redox status by stable isotope dilution liquid chromatography/mass spectrometry analysis of glutathione and glutathione disulfide. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 432-440.	0.7	71
36	A Novel Controlled Local Drug Delivery System for Inner Ear Disease. <i>Laryngoscope</i> , 2008, 118, 706-711.	1.1	112

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37	A Novel 4-Oxo-2(E)-nonenal-Derived Modification to Angiotensin II: Oxidative Decarboxylation of N-Terminal Aspartic Acid. <i>Chemical Research in Toxicology</i> , 2008, 21, 2237-2244.	1.7	28
38	A Novel 4-Oxo-2(E)-nonenal-Derived Endogenous Thiadiazabicyclo Glutathione Adduct Formed during Cellular Oxidative Stress. <i>Chemical Research in Toxicology</i> , 2007, 20, 1008-1018.	1.7	44
39	Interaction with phospholipids modulates $\alpha$ -synuclein nitration and lipid-protein adduct formation. <i>Biochemical Journal</i> , 2006, 393, 343-349.	1.7	49
40	Liquid chromatography/tandem mass spectrometry characterization of oxidized amyloid beta peptides as potential biomarkers of Alzheimer's disease. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 911-918.	0.7	42
41	Quantitative analysis of amyloid $\beta$ peptides in cerebrospinal fluid of Alzheimer's disease patients by immunoaffinity purification and stable isotope dilution liquid chromatography/negative electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3723-3735.	0.7	154
42	Synthesis of the stable isotope labeled antiviral nucleoside analog [8- <sup>13</sup> C <sup>7</sup> ,9- <sup>15</sup> N <sup>2</sup> ]-ganciclovir. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006, 49, 1131-1139.	0.5	0
43	Characterization of an Etoposide-Glutathione Conjugate Derived from Metabolic Activation by Human Cytochrome P450. <i>Current Drug Metabolism</i> , 2006, 7, 897-911.	0.7	14
44	Induction of endothelial cell apoptosis by lipid hydroperoxide-derived bifunctional electrophiles. <i>Free Radical Biology and Medicine</i> , 2005, 39, 1162-1176.	1.3	53
45	Analysis of Fe <sup>2+</sup> -mediated decomposition of a linoleic acid-derived lipid hydroperoxide by liquid chromatography/mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 661-668.	0.7	34
46	Novel lipid hydroperoxide-derived hemoglobin histidine adducts as biomarkers of oxidative stress. <i>Journal of Mass Spectrometry</i> , 2005, 40, 754-764.	0.7	34
47	4-Hydroperoxy-2-nonenal-Induced Formation of 1,N <sup>2</sup> -Etheno-2'-deoxyguanosine Adducts. <i>Chemical Research in Toxicology</i> , 2005, 18, 780-786.	1.7	66
48	Effect of Immunoaffinity Depletion of Human Serum during Proteomic Investigations. <i>Journal of Proteome Research</i> , 2005, 4, 1722-1731.	1.8	113
49	Measurement of plasma pristanic, phytanic and very long chain fatty acids by liquid chromatography-electrospray tandem mass spectrometry for the diagnosis of peroxisomal disorders. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 798, 159-162.	1.2	31
50	Determination of the platinum drug cis-amminedichloro(2-methylpyridine)platinum(II) in human urine by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 792, 217-227.	1.2	14
51	Characterization of 2'-Deoxycytidine Adducts Derived from 4-Oxo-2-nonenal, a Novel Lipid Peroxidation Product. <i>Chemical Research in Toxicology</i> , 2003, 16, 893-900.	1.7	88
52	A Novel Lipid Hydroperoxide-Derived Modification to Arginine. <i>Chemical Research in Toxicology</i> , 2003, 16, 1598-1605.	1.7	59
53	A Novel Lipid Hydroperoxide-derived Cyclic Covalent Modification to Histone H4. <i>Journal of Biological Chemistry</i> , 2003, 278, 42098-42105.	1.6	63
54	Vitamin C and Cancer. , 2003, , .		0

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55	Syntheses and Characterizations of 4-(3,17 .BETA.-Dihydroxyestra-1,3,5(10)-trien-6.ALPHA.- and) Tj ETQq1 1 0.784314 rgBT /Overlock 11 161-165.	0.8	0
56	4,5-Epoxy-2(E)-decenal-Induced Formation of 1,N6-Etheno-2â€~deoxyadenosine and 1,N2-Etheno-2â€~deoxyguanosine Adducts. Chemical Research in Toxicology, 2002, 15, 300-304.	1.7	66
57	A Validated Liquid Chromatography/Tandem Mass Spectrometry Assay for cis-Amminedichloro(2-methylpyridine)platinum(II) in Human Plasma Ultrafiltrate. Analytical Chemistry, 2002, 74, 591-599.	3.2	29
58	Vitamin C-Induced Decomposition of Lipid Hydroperoxides to Endogenous Genotoxins. Science, 2001, 292, 2083-2086.	6.0	406
59	Study for Catecholamine-2'-Deoxyguanosine Adduct Formation under Biomimetic Conditions Using Liquid Chromatography-Electrospray Ionization-Ion Trap Mass Spectrometry.. Journal of Health Science, 2001, 47, 339-345.	0.9	3
60	Application of planar chromatography to the determination of cotinine in urine of active and passive smoking pregnant women. Biomedical Chromatography, 2001, 15, 50-55.	0.8	12
61	R(?) -4-(3-Isothiocyanatopyrrolidin-1-yl)-7-(N,N-dimethylaminosulfonyl)-2,1,3-benzoxadiazole, a fluorescent chiral tagging reagent: sensitive resolution of chiral amines and amino acids by reversed-phase liquid chromatography. Biomedical Chromatography, 2001, 15, 56-67.	0.8	35
62	Detection of Triazolam and Its Hydroxy Metabolites in Rat Hair by Reversed-Phase Liquid Chromatography with Electrospray Ionization Mass Spectrometry. Journal of Analytical Toxicology, 2000, 24, 194-201.	1.7	20
63	Determination of d-Amino Acids Labeled with Fluorescent Chiral Reagents, R(â~)- and S(+)-4-(3-Isothiocyanatopyrrolidin-1-yl)-7-(N,N-dimethylaminosulfonyl)-2,1,3-benzoxadiazoles, in Biological and Food Samples by Liquid Chromatography. Analytical Biochemistry, 1999, 269, 124-132.	1.1	77
64	Separation of 17 -Amino Acids and Chiral Sequential Analysis of Peptides by Reversed-Phase Liquid Chromatography after Labeling with R(â~)-4-(3-Isothiocyanatopyrrolidin-1-yl)-7-(N,N-dimethylaminosulfonyl)-2,1,3-benzoxadiazole. Analytical Biochemistry, 1999, 276, 48-58.	1.1	25
65	Effect of metal ions on the stable adduct formation of 16â±-hydroxyestrone with a primary amine via the Heyns rearrangement. Steroids, 1999, 64, 252-258.	0.8	5
66	Persistence of N7-(2,3,4-Trihydroxybutyl)guanine Adducts in the Livers of Mice and Rats Exposed to 1,3-Butadiene. Chemical Research in Toxicology, 1999, 12, 247-257.	1.7	43
67	A Novel Bi-Functional Fluorescent Probe for Hydrophobicity and Alkali Metal Ions.. Analytical Sciences, 1999, 15, 1021-1023.	0.8	10
68	Determination of â³-glutamylglutathione and other low-molecular-mass biological thiol compounds by isocratic high-performance liquid chromatography with fluorimetric detection. Biomedical Applications, 1998, 708, 285-289.	1.7	31
69	Cookson-type reagents: highly sensitive derivatization reagents for conjugated dienes in high-performance liquid chromatography. Analyst, The, 1991, 116, 1393.	1.7	16
70	COOKSON-TYPE REAGENTS. Analytical Sciences, 1991, 7, 171-172.	0.8	0
71	Novel derivatization reagent with tetrathiafulvalene as an electrophore for pre-column labeling of amines in high-performance liquid chromatography.. Chemical and Pharmaceutical Bulletin, 1991, 39, 1897-1898.	0.6	6
72	Effect of derivatization of steroids on their retention behaviour in inclusion chromatography using cyclodextrin as a mobile phase additive. Journal of Chromatography A, 1991, 558, 306-310.	1.8	13

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73	Dienophilic Reagent for Precolumn Derivatization of 7-Dehydrocholesterol in High Performance Liquid Chromatography. <i>Analytical Sciences</i> , 1990, 6, 461-463.	0.8	14
74	Utility of Cyclodextrin in Mobile Phase for High-Performance Liquid Chromatographic Separation of Bufadienolides. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1990, 13, 493-504.	0.9	19
75	Chromatographic Behavior of Bile Acids Using Cyclodextrin in Mobile Phase of High Performance Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1989, 12, 491-500.	0.9	17
76	Determination of Amino Acids by High-Performance Liquid Chromatography with Electrochemical Detection Using Ferrocene Derivatization Reagents. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1989, 12, 359-371.	0.9	16
77	Retention behaviour of cardiac steroids using cyclodextrin in the mobile phase in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1989, 478, 339-347.	1.8	10
78	Sensitive ferrocene reagents for derivatization of amines for high-performance liquid chromatography with electrochemical detection. <i>Biomedical Applications</i> , 1989, 487, 247-255.	1.7	17
79	Immobilized enzyme reactors for detection systems in high-performance liquid chromatography. <i>Biomedical Applications</i> , 1989, 492, 345-359.	1.7	27
80	Utility of Cyclodextrin in Mobile Phase for High Performance Liquid Chromatographic Separation of Cardenolides. <i>Analytical Sciences</i> , 1988, 4, 377-380.	0.8	9
81	Ferrocene Derivatization Reagents for Optical Resolution of Carboxylic Acids by High-performance Liquid Chromatography with Electrochemical Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987, 10, 3161-3172.	0.9	18
82	Sensitive ferrocene reagents for derivatization of thiol compounds in high-performance liquid chromatography with dual-electrode coulometric detection. <i>Biomedical Applications</i> , 1987, 419, 17-25.	1.7	26
83	A comparison of chromogenic substrates for horseradish peroxidase as a label in steroid enzyme immunoassay.. <i>Chemical and Pharmaceutical Bulletin</i> , 1986, 34, 4177-4182.	0.6	44