

Kazuhiro Imai

List of Publications by Year in descending order

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47
papers

1,055
citations

471509

17
h-index

434195

31
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51
all docs

51
docs citations

51
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel fluorogenic reagent for thiols: Ammonium 7-fluorobenzo-2-oxa-1,3-diazole-4-sulfonate. <i>Analytical Biochemistry</i> , 1983, 128, 471-473.	2.4	162
2	Fluorogenic and fluorescent labeling reagents with a benzofurazan skeleton. <i>Biomedical Chromatography</i> , 2001, 15, 295-318.	1.7	157
3	Fluorogenic Derivatization Reagents Suitable for Isolation and Identification of Cysteine-Containing Proteins Utilizing High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 728-735.	6.5	67
4	A Proteomics Method Revealing Disease-Related Proteins in Livers of Hepatitis-Infected Mouse Model. <i>Journal of Proteome Research</i> , 2007, 6, 2841-2849.	3.7	45
5	A proteomics study on human breast cancer cell lines by fluorogenic derivatization-liquid chromatography/tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2008, 22, 1304-1314.	1.7	42
6	Proteomics of <i>Caenorhabditis elegans</i> over-expressing human α -synuclein analyzed by fluorogenic derivatization-liquid chromatography/tandem mass spectrometry: identification of actin and several ribosomal proteins as negative markers at early Parkinson's disease stages. <i>Biomedical Chromatography</i> , 2008, 22, 232-234.	1.7	42
7	Simultaneous determination of D-lactic acid and 3-hydroxybutyric acid in rat plasma using a column-switching HPLC with fluorescent derivatization with 4-nitro-7-piperazino-2,1,3-benzoxadiazole (NBD-PZ). <i>Biomedical Chromatography</i> , 2001, 15, 189-195.	1.7	35
8	An Identification Method for Altered Proteins in Tissues Utilizing Fluorescence Derivatization, Liquid Chromatography, Tandem Mass Spectrometry, and a Database-Searching Algorithm. <i>Analytical Chemistry</i> , 2003, 75, 3725-3730.	6.5	35
9	Sensitive determination of anandamide in rat brain utilizing a coupled-column HPLC with fluorimetric detection. <i>Journal of Chromatography B</i> , 2000, 14, 118-124.		31
10	Comprehensive fluorogenic derivatization-liquid chromatography/tandem mass spectrometry proteomic analysis of colorectal cancer cell to identify biomarker candidate. <i>Biomedical Chromatography</i> , 2013, 27, 440-450.	1.7	29
11	Recent progress in the development of derivatization reagents having a benzofurazan structure. <i>Biomedical Chromatography</i> , 2008, 22, 343-353.	1.7	26
12	Towards clinical proteomics analysis. <i>Biomedical Chromatography</i> , 2011, 25, 59-64.	1.7	26
13	Limitation of immunoaffinity column for the removal of abundant proteins from plasma in quantitative plasma proteomics. <i>Biomedical Chromatography</i> , 2009, 23, 480-487.	1.7	25
14	An improved method for proteomics studies in <i>C. elegans</i> by fluorogenic derivatization, HPLC isolation, enzymatic digestion and liquid chromatography-tandem mass spectrometric identification. <i>Biomedical Chromatography</i> , 2005, 19, 556-560.	1.7	24
15	Application of Fluorogenic Derivatization-Liquid Chromatography-Tandem Mass Spectrometric Proteome Method to Skeletal Muscle Proteins in Fast Thoroughbred Horses. <i>Journal of Proteome Research</i> , 2009, 8, 2129-2134.	3.7	23
16	Chemiluminescence detection in capillary electrophoresis. <i>Journal of Separation Science</i> , 1994, 6, 195-206.	1.0	22
17	Application of an improved proteomics method, fluorogenic derivatization-liquid chromatography-tandem mass spectrometry, to differential analysis of proteins in small regions of mouse brain. <i>Journal of Chromatography A</i> , 2008, 1208, 147-155.	3.7	22
18	Photophysical study of 5-substituted benzofurazan compounds as fluorogenic probes. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4514-4522.	2.8	20

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19	A toxicoproteomic study on cardioprotective effects of pre-administration of docetaxel in a mouse model of adriamycin-induced cardiotoxicity. <i>Biochemical Pharmacology</i> , 2010, 80, 540-547.	4.4	16
20	Alteration of intracellular secretory acute phase response proteins expressed in human hepatocyte induced by exposure with interleukin-6. <i>Cytokine</i> , 2012, 59, 317-323.	3.2	16
21	Proteomics analysis of altered proteins in kidney of mice with aristolochic acid nephropathy using the fluorogenic derivatization-liquid chromatography-tandem mass spectrometry method. <i>Biomedical Chromatography</i> , 2018, 32, e4127.	1.7	14
22	Development of water-soluble fluorogenic reagents having a 2,1,3-benzoxadiazole structure and their application to the determination of peptides. <i>Analyst, The</i> , 2000, 125, 1115-1121.	3.5	13
23	A fluorimetric, column-switching HPLC and its application to an elimination study of LLU-? enantiomers in rat plasma. <i>Biomedical Chromatography</i> , 2001, 15, 95-99.	1.7	11
24	Existence of low-molecular-weight thiols in <i>Caenorhabditis elegans</i> demonstrated by HPLC-fluorescence detection utilizing 7-chloro-N-[2-(dimethylamino)ethyl]-2,1,3-benzoxadiazole-4-sulfonamide. <i>Biomedical Chromatography</i> , 2007, 21, 999-1004.	1.7	10
25	Liquid chromatographic separation of proteins derivatized with a fluorogenic reagent at cysteinyl residues on a non-porous column for differential proteomics analysis. <i>Journal of Chromatography A</i> , 2011, 1218, 3447-3452.	3.7	10
26	A trial proteomics fingerprint analysis of HepaRG cells by FD-LC-MS/MS. <i>Analyst, The</i> , 2015, 140, 71-73.	3.5	10
27	Synthesis and evaluation of a fluorogenic reagent for proteomic studies: 7-fluoro-N-[2-(dimethylamino)ethyl]-2,1,3-benzoxadiazole-4-sulfonamide (DAABD-F). <i>Analyst, The</i> , 2010, 135, 2119.	3.5	9
28	Straightforward proteomic analysis reveals real dynamics of proteins in cells. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 101, 31-39.	2.8	9
29	FD-LC-MS/MS Method for Determining Protein Expression and Elucidating Biochemical Events in Tissues and Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 1393-1400.	1.4	8
30	Effect of prednisolone on glyoxalase 1 in an inbred mouse model of aristolochic acid nephropathy using a proteomics method with fluorogenic derivatization-liquid chromatography-tandem mass spectrometry. <i>PLoS ONE</i> , 2020, 15, e0227838.	2.5	8
31	Proteome analysis of altered proteins in streptozotocin-induced diabetic rat kidney using the fluorogenic derivatization-liquid chromatography-tandem mass spectrometry method. <i>Biomedical Chromatography</i> , 2013, 27, 382-389.	1.7	7
32	An FD-LC-MS/MS Proteomic Strategy for Revealing Cellular Protein Networks: A Conditional Superoxide Dismutase 1 Knockout Cells. <i>PLoS ONE</i> , 2012, 7, e45483.	2.5	7
33	Sensitive determination of salmon calcitonin, by means of pre-column derivatization, HPLC and fluorometric determination. <i>Biomedical Chromatography</i> , 1995, 9, 52-55.	1.7	6
34	A new fluorogenic reagent aimed at simultaneous determination of peptides or proteins in two different samples. <i>Journal of Materials Chemistry</i> , 2005, 15, 2865.	6.7	6
35	Efficient chromatographic separation of intact proteins derivatized with a fluorogenic reagent for proteomics analysis. <i>Biomedical Chromatography</i> , 2013, 27, 1520-1523.	1.7	6
36	Improved separation of fluorogenic derivatized intact proteins with high resolution and efficiency using a reversed-phase liquid chromatographic system. <i>Biomedical Chromatography</i> , 2014, 28, 862-867.	1.7	5

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37	Comprehensive and temporal analysis of secreted proteins in the medium from IL6 exposed human hepatocyte. <i>Biomedical Chromatography</i> , 2014, 28, 742-750.	1.7	5
38	Quantification of horse plasma proteins altered by xylazine using the fluorogenic derivatization-liquid chromatography-tandem mass spectrometry. <i>Journal of Equine Science</i> , 2015, 26, 141-146.	0.8	5
39	Development of highly selective and sensitive determination methods for catecholamines. <i>Bunseki Kagaku</i> , 2003, 52, 1081-1089.	0.2	4
40	Recent Progress in FD-LC-MS/MS Proteomics Method. <i>Frontiers in Chemistry</i> , 2021, 9, 640336.	3.6	4
41	Fluorescent derivatization reagents for thiols bearing a new type of fluorophores: 7-fluoro-2,1,3-benzoselenadiazole-4-sulfonate and 7-fluoro-2,1,3-benzothiadiazole-4-sulfonate.. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2003, 79B, 137-140.	3.8	3
42	Phenylbonded monolithic silica capillary column liquid chromatographic separation and detection of fluorogenic derivatized intact proteins. <i>Biomedical Chromatography</i> , 2021, 35, e5078.	1.7	3
43	Fluorescent oxidation products derived from DBD-thiocarbamoyl amino acid in the modified Edman sequencing analysis. , 2000, 14, 133-136.		2
44	Synthesis and evaluation of fluorogenic reagents for simultaneous detection of peptides and proteins by HPLC in two different samples. <i>Biomedical Chromatography</i> , 2006, 20, 576-584.	1.7	2
45	A proteomics method using immunoaffinity fluorogenic derivatization liquid chromatography/tandem mass spectrometry (FD-LC-MS/MS) to identify a set of interacting proteins. <i>Biomedical Chromatography</i> , 2018, 32, e4063.	1.7	2
46	Enhanced theophylline metabolism in patients with bronchial asthma at age 4 and under. , 1999, 13, 462-464.		1
47	Methylglyoxal and D-lactate in cisplatin-induced acute kidney injury: Investigation of the potential mechanism via fluorogenic derivatization liquid chromatography-tandem mass spectrometry (FD-LC-MS/MS) proteomic analysis. <i>PLoS ONE</i> , 2020, 15, e0235849.	2.5	1