

Takayuki Shibata

List of Publications by Year in descending order

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papers

526
citations

687363

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48
docs citations

48
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	A Facile Method for the Quantification of Urinary Uracil Concentration by a Uracil-Specific Fluorescence Derivatization Reaction. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 768-772.	1.3	0
2	Selective cross-linking behavior of oligodeoxyribonucleotides containing 2'-O-(4,5',8-trimethylpsoralen-4'-ylmethylcarbamoyl)adenosine to mutant H-ras DNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 119-130.	1.1	3
3	Facile and Selective Determination of Dipeptides Using 3-Methylcatechol as a Novel Fluorogenic Reagent. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 583-589.	1.9	0
4	Simultaneous assay for protease activities of hepatitis C virus and human immunodeficiency virus based on fluorescence detection. <i>Scientific Reports</i> , 2019, 9, 9150.	3.3	2
5	Chemistry and Clinical Study in Concert. <i>Kitakanto Medical Journal</i> , 2019, 69, 161-162.	0.0	0
6	Fluorescence assay of dihydroorotate dehydrogenase that may become a cancer biomarker. <i>Scientific Reports</i> , 2017, 7, 40670.	3.3	18
7	Fluorometric assay for phenotypic differentiation of drug-resistant HIV mutants. <i>Scientific Reports</i> , 2015, 5, 10323.	3.3	7
8	Delivery of siRNA using siRNA/cationic vector complexes encapsulated in dendrimer-like polymeric DNAs. <i>RSC Advances</i> , 2015, 5, 32775-32785.	3.6	5
9	Chemiluminescence-imaging detection of DNA on a solid-phase membrane by using a peroxidase-labeled macromolecular probe. <i>Talanta</i> , 2015, 139, 138-142.	5.5	8
10	Spectrofluorometric Assays of Human Collagenase Activity Using Native Collagen and Acetyl-Peptide Substrates. <i>Advances in Enzyme Research</i> , 2015, 03, 19-29.	1.6	1
11	Sensitive and Selective Determination of Orotic Acid in Biological Specimens Using a Novel Fluorogenic Reaction. <i>Journal of Fluorescence</i> , 2015, 25, 1005-1011.	2.5	11
12	Sensitive and selective determination of peptides, PG and PGP, using a novel fluorogenic reagent 4-chlorobenzene-1,2-diol. <i>Chemical Papers</i> , 2015, 69, .	2.2	2
13	Facile preparation of streptavidin-coated sephadex beads and their application to chemiluminescence detection of a target DNA. <i>Mikrochimica Acta</i> , 2015, 182, 495-503.	5.0	2
14	Dendrimer-like polymeric DNAs as chemiluminescence probes for amplified detection of telomere DNA on a solid-phase membrane. <i>Chemical Communications</i> , 2014, 50, 859-861.	4.1	20
15	A Novel Fluorometric Method for the Selective Determination of Pro-Gly and Pro-Gly-Pro. <i>International Journal of Peptide Research and Therapeutics</i> , 2014, 20, 441-446.	1.9	5
16	Selective, sensitive and fluorometric determination of urinary cytosine with 4-trifluoromethylbenzamidoxime and N,N-dimethylformamide. <i>Clinica Chimica Acta</i> , 2014, 429, 123-128.	1.1	2
17	Carbon Nanofiber-based Luminol-biotin Probe for Sensitive Chemiluminescence Detection of Protein. <i>Analytical Sciences</i> , 2014, 30, 1051-1056.	1.6	3
18	Amplified and selective assay of collagens by enzymatic and fluorescent reactions. <i>Scientific Reports</i> , 2014, 4, 4950.	3.3	16

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19	Selective FL Quenching or Enhancing of Diimine Ligands by Guanine. <i>Journal of Fluorescence</i> , 2013, 23, 853-857.	2.5	1
20	A novel fluorescence reaction for N-terminal Ser-containing peptides and its application to assay caspase activity. <i>Analytical Biochemistry</i> , 2013, 433, 79-85.	2.4	14
21	Inhibition of HIV-1 protease expression in T cells owing to DNA aptamer-mediated specific delivery of siRNA. <i>European Journal of Medicinal Chemistry</i> , 2012, 56, 396-399.	5.5	62
22	Selective and sensitive determination of peptides using 3,4-dihydroxyphenylacetic acid as a fluorogenic reagent. <i>Analytica Chimica Acta</i> , 2012, 721, 162-166.	5.4	9
23	Sensitive Chemiluminescence Detection of Prion Protein on a Membrane by Using a Peroxidase-Labeled Dextran Probe. <i>Analytical Sciences</i> , 2011, 27, 715.	1.6	6
24	Alkaline phosphatase-labeled macromolecular probe for sensitive chemiluminescence detection of proteins on a solid-phase membrane. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1211-1217.	3.7	11
25	A manual sequence method of peptides and phosphopeptides using 4-(1- ϵ -cyanoisindolyl)phenylisothiocyanate. <i>Journal of Chromatography A</i> , 2011, 1218, 3757-3762.	3.7	0
26	Chemiluminescence detection of telomere DNA in human cells on a membrane by using fluorescein-5-isothiocyanate-labeled primers. <i>Analytical Biochemistry</i> , 2011, 413, 50-54.	2.4	25
27	Aptamer-Mediated Chemiluminescence Detection of Prion Protein on a Membrane Using Trimethoxyphenylglyoxal. <i>Analytical Sciences</i> , 2010, 26, 645-647.	1.6	14
28	Selective and facile assay of human immunodeficiency virus protease activity by a novel fluorogenic reaction. <i>Analytical Biochemistry</i> , 2010, 397, 197-201.	2.4	49
29	A novel and specific fluorescence reaction for uracil. <i>Analytica Chimica Acta</i> , 2010, 674, 234-238.	5.4	9
30	Insights into the DNA stabilizing contributions of a bicyclic cytosine analogue: crystal structures of DNA duplexes containing 7,8-dihydropyrido [2,3-d]pyrimidin-2-one. <i>Nucleic Acids Research</i> , 2010, 38, 6737-6745.	14.5	12
31	Alginate acid-based macromolecular chemiluminescent probe for universal protein assay on a solid-phase membrane. <i>Analyst</i> , 2010, 135, 2894.	3.5	2
32	Diimine ligand as a novel chemiluminescence enhancer of luminol-containing compounds. <i>Talanta</i> , 2009, 77, 1761-1766.	5.5	2
33	Facile detection of proteins on a solid-phase membrane by direct binding of dextran-based luminol- ϵ -biotin chemiluminescent polymer. <i>Talanta</i> , 2009, 79, 700-705.	5.5	15
34	Fluorescence detection of amino acids in the postcleavage conversions for manual sequencing of a peptide. <i>Analytical Biochemistry</i> , 2008, 374, 423-425.	2.4	11
35	A selective fluorescence reaction for peptides and chromatographic analysis. <i>Peptides</i> , 2008, 29, 356-363.	2.4	40
36	Crystal structures of DNA duplexes stabilized by bicyclic-C residues. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 127-128.	0.3	0

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37	Facile Assay of Telomerase Activity Utilizing a DNA-detectable Chemiluminogenic Reagent. <i>Analytical Sciences</i> , 2008, 24, 471-475.	1.6	11
38	The Synthesis and Properties of Tricyclic Analogues of S⁶ “Methylthioguanine and O⁶ -Methylthioguanine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1099-1102.	1.1	4
39	7,8-Dihydropyrido[2,3-d]pyrimidin-2-one; a bicyclic cytosine analogue capable of enhanced stabilisation of DNA duplexes. <i>Chemical Communications</i> , 2006, , 3516.	4.1	6
40	The syntheses and properties of tricyclic pyrrolo[2,3-d]pyrimidine analogues of S6-methylthioguanine and O6-methylthioguanine. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1723.	2.8	7
41	Novel synthesis of O6-alkylguanine containing oligodeoxyribonucleotides as substrates for the human DNA repair protein, O6-methylguanine DNA methyltransferase (MGMT). <i>Nucleic Acids Research</i> , 2006, 34, 1884-1891.	14.5	28
42	A novel DNA damage recognition protein in <i>Schizosaccharomyces pombe</i> . <i>Nucleic Acids Research</i> , 2006, 34, 2347-2354.	14.5	26
43	Novel post DNA synthesis chemistry for preparing oligonucleotides containing O6-modified purines. <i>Nucleic Acids Symposium Series</i> , 2005, 49, 23-24.	0.3	2
44	Amino-functionalized DNA: the properties of C5-amino-alkyl substituted 2'-deoxyuridines and their application in DNA triplex formation. <i>Nucleic Acids Research</i> , 2005, 33, 1362-1371.	14.5	50
45	NOVEL CLASS OF DNA BINDING MOTIFS BASED ON BISTETRAHYDROFURAN AND BISFLURAN SKELETON WITH LONG ALKYL CHAINS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 551-558.	1.1	5