

Takahiko NOJIMA

List of Publications by Year in descending order

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35
papers

669
citations

623734

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26
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35
docs citations

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times ranked

827
citing authors

#	ARTICLE	IF	CITATIONS
1	PDMS-glass hybrid microreactor array with embedded temperature control device. Application to cell-free protein synthesis. <i>Lab on A Chip</i> , 2002, 2, 197-202.	6.0	114
2	Electrochemical Telomerase Assay with Ferrocenylnaphthalene Diimide as a Tetraplex DNA-Specific Binder. <i>Analytical Chemistry</i> , 2005, 77, 7304-7309.	6.5	79
3	G Quadruplex-Based FRET Probes with the Thrombin-Binding Aptamer (TBA) Sequence Designed for the Efficient Fluorometric Detection of the Potassium Ion. <i>ChemBioChem</i> , 2006, 7, 1730-1737.	2.6	70
4	Fluorescence energy transfer probes based on the guanine quadruplex formation for the fluorometric detection of potassium ion. <i>Analytica Chimica Acta</i> , 2007, 581, 125-131.	5.4	59
5	Supramolecular Complex Formation by β -Cyclodextrin and Ferrocenylnaphthalene Diimide-intercalated Double Stranded DNA and Improved Electrochemical Gene Detection. <i>Molecules</i> , 2005, 10, 693-707.	3.8	38
6	Ferrocenylnaphthalene diimide-based electrochemical detection of methylated gene. <i>Analytica Chimica Acta</i> , 2006, 578, 82-87.	5.4	33
7	How amino acids control the binding of Cu(II) ions to DNA: The role of the hydroxyl group of serine and threonine in fixing the orientation of the complexes. <i>Journal of Inorganic Biochemistry</i> , 1996, 64, 273-285.	3.5	27
8	Electrochemical gene detection based on supramolecular complex formation by ferrocenyl- β -cyclodextrin and adamantylnaphthalene diimide bound to double stranded DNA. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4722-4728.	1.8	26
9	Synthesis of ferrocenylcarbodiimide as a convenient electrochemically active labeling reagent for nucleic acids. <i>Tetrahedron</i> , 2005, 61, 11705-11715.	1.9	23
10	Millisecond denaturation dynamics of fluorescent proteins revealed by femtoliter container on micro-thermodevice. <i>Lab on A Chip</i> , 2008, 8, 1436.	6.0	22
11	Direct Modification of mRNA by Ferrocenyl Carbodiimide and Its Application to Electrochemical Detection of mRNA. <i>Analytical Sciences</i> , 2007, 23, 115-119.	1.6	21
12	Comparison of potassium ion preference of potassium-sensing oligonucleotides, PSO-1 and PSO-2, carrying the human and <i>Oxytricha</i> telomeric sequence, respectively. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 1006-1010.	3.7	19
13	Modification of the Glass Surface Property in PDMS-Glass Hybrid Microfluidic Devices. <i>Analytical Sciences</i> , 2012, 28, 39-44.	1.6	18
14	Direct Detection of Single Nucleotide Polymorphism (SNP) with Genomic DNA by the Ferrocenylnaphthalene Diimide-based Electrochemical Hybridization Assay (FND-EHA).. <i>Analytical Sciences</i> , 2003, 19, 79-83.	1.6	15
15	Evaluation of Cell-free Protein Synthesis Using PDMS-based Microreactor Arrays. <i>Analytical Sciences</i> , 2008, 24, 243-246.	1.6	12
16	Fluorescence enhancement of bis-acridine orange peptide, BAO, upon binding to double stranded DNA. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 578.	2.8	10
17	Fluorescent lanthanide chelates for biological systems. <i>Macromolecular Symposia</i> , 2002, 186, 117-121.	0.7	9
18	Immobilization of sunflower trypsin inhibitor (SFTI-1) peptide onto a gold surface and analysis of its interaction with trypsin. <i>Analyst</i> , 2004, 129, 888.	3.5	9

#	ARTICLE	IF	CITATIONS
19	Determination of the Termination Efficiency of the Transcription Terminator Using Different Fluorescent Profiles in Green Fluorescent Protein Mutants. <i>Analytical Sciences</i> , 2005, 21, 1479-1481.	1.6	9
20	Preparation of Carbodiimide-terminated Dithiolane Self-Assembly Monolayers as a New DNA-Immobilization Method. <i>Analytical Sciences</i> , 2006, 22, 349-355.	1.6	8
21	Microbiochemical reactors for enzymatic reactions including cell-free mRNA translation. <i>Journal of Micromechatronics</i> , 2000, 1, 85-98.	1.9	7
22	Bis-intercalation-triggered fluorescence: Specific detection of double stranded DNA and AT content estimation. <i>Analyst, The</i> , 2004, 129, 886.	3.5	7
23	Pneumatic handling of droplets on-demand on a microfluidic device for seamless processing of reaction and electrophoretic separation. <i>Electrophoresis</i> , 2010, 31, 3719-3726.	2.4	6
24	Interaction Analysis of the Carcinoembryonic Antigen (CEA) with Its Monoclonal Antibody Immobilized on a Gold Surface Using Fourier Transform Infrared Reflection-Absorption Spectroscopy (FT-IR RAS). <i>Analytical Sciences</i> , 2005, 21, 215-218.	1.6	5
25	Immobilization of RNase S-Peptide on a single-stranded DNA-fixed gold surface and effective masking of its surface by an acridinyl poly(ethylene glycol). <i>Analyst, The</i> , 2006, 131, 55-61.	3.5	5
26	Gene Detection Based on the Tetrakis-acridinyl Peptide (TAP) Cassette. <i>Chemistry Letters</i> , 2004, 33, 1550-1551.	1.3	4
27	Genotyping of the Human Lipoprotein Lipase Gene by Ferrocenylnaphthalene Diimide-based Electrochemical Hybridization Assay. <i>Analytical Sciences</i> , 2005, 21, 1437-1441.	1.6	4
28	Synthesis of DNA Templates Containing the Fifth Base, 2-Amino-6-(dimethylamino)purine, for Specific Transcription Involving Unnatural Base Pairs. <i>Chemistry Letters</i> , 2001, 30, 914-915.	1.3	2
29	Tetrakis-acridinyl peptide: Distance dependence of photoinduced electron transfer in deoxyribonucleic acid assemblies. <i>Analytica Chimica Acta</i> , 2006, 578, 88-92.	5.4	2
30	Reactivity of Ferrocenylcarbodiimide with DNA Duplex Containing Single-mismatched Base Pairs. <i>Analytical Sciences</i> , 2007, 23, 645-649.	1.6	2
31	On-chip Capillary Electrophoresis Fractionation of DNA Construct for Cell-free Protein Expression. <i>Chemistry Letters</i> , 2007, 36, 1346-1347.	1.3	2
32	A Rapid Method for Optimizing Running Temperature of Electrophoresis through Repetitive On-Chip CE Operations. <i>International Journal of Molecular Sciences</i> , 2011, 12, 4271-4281.	4.1	2
33	Supramolecular Assembly of Fullerene Derivatives in the Absence or Presence of Double Stranded DNA in Water. <i>Bunseki Kagaku</i> , 2005, 54, 449-454.	0.2	0
34	Cell-free Protein Synthesis Conducted by Template DNA with Repetitive Sequence. <i>Chemistry Letters</i> , 2008, 37, 648-649.	1.3	0
35	Development of Hybrid Microreactor for Protein Synthesis. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2001, 121, 163-168.	0.1	0