Yasuko Yanagida

List of Publications by Year
in descending order

61 papers	1,264 citations	361413 20 h-index	361022 35 g-index
61 all docs	61 docs citations	61 times ranked	1662 citing authors

#	Article	IF	Citations
1	Assembling of engineered IgG-binding protein on gold surface for highly oriented antibody immobilization. Journal of Biotechnology, 2000, 76, 207-214.	3.8	126
2	Stimuli-responsive hydrogelâ€“silver nanoparticles composite for development of localized surface plasmon resonance-based optical biosensor. Analytica Chimica Acta, 2008, 611, 205-211.	5.4	119
3	Colorimetric detection of volatile organic compounds using a colloidal crystal-based chemical sensor for environmental applications. Sensors and Actuators B: Chemical, 2007, 125, 589-595.	7.8	116
4	Quantitative determination of hydrogen peroxide using polymer coated Ag nanoparticles. Measurement: Journal of the International Measurement Confederation, 2008, 41, 1045-1053.	5.0	71
5	Reflectometric detection of influenza virus in human saliva using nanoimprint lithography-based flexible two-dimensional photonic crystal biosensor. Sensors and Actuators B: Chemical, 2010, 148, 269-276.	7.8	69
6	Intracellular delivery of antibodies using TAT fusion protein A. Biochemical and Biophysical Research Communications, 2003, 310, 730-734.	2.1	60
7	Disposable creatinine sensor based on thick-film hydrogen peroxide electrode system. Analytica Chimica Acta, 1999, 394, 225-231.	5.4	59
8	Structure and interactions with RNA of the N-terminal UUAG-specific RNA-binding domain of hnRNP D0 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1999, 287, 221-237.	4.2	46
9	Single-Molecular AFM Probing of Specific DNA Sequencing Using RecA-Promoted Homologous Pairing and Strand Exchange. Analytical Chemistry, 2000, 72, 1288-1293.	6.5	43
10	Two types of electrochemical nitric oxide (NO) sensing systems with heat-denatured Cyt C and radical scavenger PTIO1This paper was a finalist for the Biosensors & Bioelectronics Award for the most original contribution to the Congress.1. Biosensors and Bioelectronics, 1998, 13, 763-769.	10.1	41
11	Ribosome display for selection of active dihydrofolate reductase mutants using immobilized methotrexate on agarose beads. FEBS Letters, 2002, 514, 106-110.	2.8	35
12	Design and Gene Engineering Synthesis of an Extremely Thermostable Protein with Biological Activity. Biomacromolecules, 2000, 1, 382-386.	5.4	34
13	Electrically Stimulated Modulation of Cellular Function in Proliferation, Differentiation, and Gene Expression. Electrochemistry, 1999, 67, 118-125.	1.4	27
14	Localized surface plasmon resonance optical characteristics for hydrogen peroxide using polyvinylpyrrolidone coated silver nanoparticles. Materials Letters, 2010, 64, 2105-2108.	2.6	26
15	Fabrication of core-shell structured nanoparticle layer substrate for excitation of localized surface plasmon resonance and its optical response for DNA in aqueous conditions. Analytica Chimica Acta, 2010, 661, 200-205.	5.4	24
16	Osteogenesis Coordinated in C3H10T1/2 Cells by Adipogenesis-Dependent BMP-2 Expression System. Tissue Engineering, 2000, 6, 9-18.	4.6	23
17	On-Chip Single-Cell Lysis for Extracting Intracellular Material. Japanese Journal of Applied Physics, 2007, 46, 6410-6414.	1.5	22
18	Genetically Fused Protein Aâ€“Luciferase for Immunological Blotting Analyses. Analytical Biochemistry, 2000, 282, 65-69.	2.4	21

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19	Electrically stimulated induction of hsp70 gene expression in mouse astroglia and fibroblast cells. Journal of Biotechnology, 2000, 79, 53-61.	3.8	21
20	Atomic force microscopy identification of transcription factor NFÎºB bound to streptavidinâ€“pin-holding DNA probe. Analytical Biochemistry, 2002, 309, 241-247.	2.4	21
21	Induction of neural differentiation by electrically stimulated gene expression of NeuroD2. Journal of Biotechnology, 2003, 100, 231-238.	3.8	19
22	Probing DNA mechanical characteristics by dielectrophoresis. Sensors and Actuators B: Chemical, 2009, 136, 472-478.	7.8	19
23	The construction of endothelial cellular biosensing system for the control of blood pressure drugs. Biosensors and Bioelectronics, 2004, 19, 1121-1124.	10.1	17
24	Study of electrical field distribution of gold-capped nanoparticle for excitation of localized surface plasmon resonance. Applied Surface Science, 2011, 257, 2560-2566.	6.1	17
25	Immunosensing system for Î±-fetoprotein coupled with a disposable amperometric glucose oxidase sensor. Sensors and Actuators B: Chemical, 2001, 79, 87-91.	7.8	16
26	Non-destructive monitoring of rpoS promoter activity as stress marker for evaluating cellular physiological status. Journal of Biotechnology, 2002, 95, 85-93.	3.8	14
27	Design of a thermostable cell adhesion protein. Biotechnology Letters, 1999, 13, 23-27.	0.5	13
28	Translational control by internal ribosome entry site in Saccharomyces cerevisiae. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2005, 1681, 166-174.	2.4	13
29	Construction and use of an electrochemical NO sensor in a cell-based assessing system. Sensors and Actuators B: Chemical, 2004, 99, 106-112.	7.8	11
30	Genetically engineered molecular networks for biosensing systems. Sensors and Actuators B: Chemical, 1998, 52, 204-211.	7.8	10
31	Development of immune cellular biosensing system for assessing chemicals on inducible nitric oxide synthase signaling activator. Analytical Biochemistry, 2003, 320, 75-81.	2.4	10
32	Thermostabilization of protein A-luciferase fusion protein by single amino acid mutation. Biotechnology Letters, 2002, 24, 147-149.	2.2	9
33	Immunoassay systems based on immunoliposomes consisting of genetically engineered single-chain antibody. Sensors and Actuators B: Chemical, 2000, 65, 42-45.	7.8	8
34	Combined effect of electrical stimulation and cisplatin in HeLa cell death. Biotechnology and Bioengineering, 2004, 86, 661-666.	3.3	8
35	Catalytic activity of Teflon particle-immobilized protease in aqueous solution. Journal of Molecular Catalysis B: Enzymatic, 2000, 9, 259-267.	1.8	7
36	Cellular biosensing system for assessing immunomodulating effects on the inducible nitric oxide synthase (iNOS) cascade. Biotechnology Letters, 2003, 25, 321-325.	2.2	7

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37	Enhancement of Thermal Properties of Polyvinylpyrrolidone (PVP)-Coated Silver Nanoparticles by Using Plasmid DNA and their Localized Surface Plasmon Resonance (LSPR) Characteristics. Nanobiotechnology, 2008, 4, 36-42.	1.2	7
38	Design and fabrication of a dielectrophoresis-based cell-positioning and cell-culture device for construction of cell networks. Microchemical Journal, 2009, 91, 232-238.	4.5	7
39	Stabilization and Translation of Immobilized mRNA on Latex Beads for Cell-Free Protein Synthesis System. Applied Biochemistry and Biotechnology, 1999, 76, 217-228.	2.9	5
40	In Vitro Selective RNA Synthesis with L-A Virus Nanoparticles. Biochemical and Biophysical Research Communications, 1999, 263, 23-27.	2.1	5
41	Facile Fabrication of All-solid-state Ion-selective Electrodes by Laminating and Drop-casting for Multi-sensing. Electrochemistry, 2022, 90, 077001-077001.	1.4	4
42	Site-directed lipid modification of IgG-binding protein by intracellular bacterial lipoprotein process. Journal of Biotechnology, 1999, 75, 23-31.	3.8	3
43	Fluorescent monitoring of cellular physiological status depending on the accumulation of ppGpp. Biotechnology Letters, 2002, 24, 269-273.	2.2	3
44	On-chip biosensing of estrogen receptor-Î± at single molecular level. Biosensors and Bioelectronics, 2004, 19, 1573-1579.	10.1	3
45	Electrochemical evaluation of cellular physiological status under stress inEscherichia coli with therpoS-lacZ reporter gene. Biotechnology and Bioengineering, 2005, 90, 509-515.	3.3	3
46	Evaluation of Cell Adhesion Characteristics on the Porous Silicon Substrates with Various Surface Structures. Electrochemistry, 2008, 76, 559-562.	1.4	3
47	Fabrication of DEP Device for Cell Positioning and its Cell Viability Test. IEEJ Transactions on Sensors and Micromachines, 2008, 128, 59-63.	0.1	3
48	Genetically Engineered Calmodulin Self-Assembled on Gold Surface. Journal of Intelligent Material Systems and Structures, 1999, 10, 446-450.	2.5	2
49	Novel cap-independent translation with the 5â€²-noncoding region of L-A virus mRNA. Biotechnology Letters, 2000, 22, 59-63.	2.2	2
50	DNA Binding and Bending Protein-Based DNA Actuator and its Practical Realization. Nanobiotechnology, 2008, 4, 43-49.	1.2	2
51	Design and fabrication of cell alignment device based on electrolytically-generated air bubbles, and its practical realization using polystyrene microbeads. Mikrochimica Acta, 2009, 164, 263-268.	5.0	2
52	Development of Plasmonic Chemical Sensor for Detection of Aldehyde Compounds. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 372-373.	0.1	2
53	The secretory response through electric stimulation of differentiated PC12 rat pheochromocytoma cells transfected with neuropeptide Y fused with enhanced green fluorescent protein. Biotechnology Letters, 2003, 25, 547-552.	2.2	1
54	Photonic crystal based optical chemical sensor for environmental monitoring. , 2007, , .		1

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55	Design and Fabrication of Nanostructures Based on DNA Ringâ€“Protein Complex. Japanese Journal of Applied Physics, 2008, 47, 4810-4814.	1.5	1
56	Multipolar Electrical Forces for Microscale Particle Manipulation. Journal of Computational and Theoretical Nanoscience, 2009, 6, 505-513.	0.4	1
57	DNA force-extension curve under uniaxial stretching. Molecular Simulation, 2010, 36, 221-228.	2.0	1
58	Nano-Patricle Positioning on DNA Strand (1st Report). Journal of the Japan Society for Precision Engineering Contributed Papers, 2004, 70, 863-866.	0.0	1
59	Design and fabrication of DNA-based nanostructures using plasmid-protein complex for bio device. , 2007, , .		0
60	Nanowire Fabrication by DNA Metallization and Positioning. Key Engineering Materials, 2012, 523-524, 604-609.	0.4	0
61	Fabrication Electron Beam Lithography Pattern-based Plasmonic Crystal for Sensing Application. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 374-375.	0.1	0