

Noriyuki Nakamura

List of Publications by Year in descending order

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37
papers

1,344
citations

516710

16
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434195

31
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37
all docs

37
docs citations

37
times ranked

1278
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Operation of a Living Cell Using an Atomic Force Microscope with a Nanoneedle. <i>Nano Letters</i> , 2005, 5, 27-30.	9.1	321
2	Mechanical sensing of the penetration of various nanoneedles into a living cell using atomic force microscopy. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1652-1655.	10.1	115
3	Gene expression using an ultrathin needle enabling accurate displacement and low invasiveness. <i>Biochemical and Biophysical Research Communications</i> , 2005, 332, 633-639.	2.1	112
4	A molecular delivery system by using AFM and nanoneedle. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2120-2125.	10.1	103
5	Sulfated exopolysaccharide production by the halophilic cyanobacterium <i>Aphanocapsa halophytia</i> . <i>Current Microbiology</i> , 1995, 30, 219-222.	2.2	65
6	Prevention of marine biofouling using a conductive paint electrode. , 1998, 59, 374-378.		62
7	Rapid and specific detection of herbicides using a self-assembled photosynthetic reaction center from purple bacterium on an SPR chip. <i>Biosensors and Bioelectronics</i> , 2003, 18, 599-603.	10.1	61
8	Lithographing of Biomolecules on a Substrate Surface Using an Enzyme-Immobilized AFM Tip. <i>Nano Letters</i> , 2003, 3, 1471-1474.	9.1	58
9	Mechanical force-based probing of intracellular proteins from living cells using antibody-immobilized nanoneedles. <i>Biosensors and Bioelectronics</i> , 2012, 31, 323-329.	10.1	39
10	The mechanical properties of a cell, as determined by its actin cytoskeleton, are important for nanoneedle insertion into a living cell. <i>Cytoskeleton</i> , 2010, 67, 496-503.	2.0	38
11	Phagocytosis of bacterial magnetite by leucocytes. <i>Applied Microbiology and Biotechnology</i> , 1989, 31, 401.	3.6	34
12	Evaluation of the actin cytoskeleton state using an antibody-functionalized nanoneedle and an AFM. <i>Biosensors and Bioelectronics</i> , 2013, 40, 3-9.	10.1	34
13	Development of a novel method to detect intrinsic mRNA in a living cell by using a molecular beacon-immobilized nanoneedle. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1449-1454.	10.1	33
14	Selective production of glutamate by an immobilized marine blue-green alga, <i>Synechococcus</i> sp.. <i>Applied Microbiology and Biotechnology</i> , 1988, 28, 373-376.	3.6	31
15	Quartz Crystal Microbalance and Electrochemical Studies on a Viologen Thiol Incorporated in Phospholipid Self-Assembled Monolayers. <i>Langmuir</i> , 2002, 18, 5804-5809.	3.5	28
16	Production of γ -linolenic acid from the marine green alga <i>Chlorella</i> sp. NKG 042401. <i>FEMS Microbiology Letters</i> , 1993, 107, 163-167.	1.8	25
17	Dioxin-Binding Pentapeptide for Use in a High-Sensitivity On-Bead Detection Assay. <i>Analytical Chemistry</i> , 2005, 77, 7750-7757.	6.5	19
18	Direct Insertion of Proteins into a Living Cell Using an Atomic Force Microscope with a Nanoneedle. <i>Nanobiotechnology</i> , 2005, 1, 347-352.	1.2	17

#	ARTICLE	IF	CITATIONS
19	A Nanoneedle can be Inserted into a Living Cell without Any Mechanical Stress Inducing Calcium Ion Influx. <i>Electrochemistry</i> , 2008, 76, 586-589.	1.4	15
20	Electrochemical detection of allergen in small-volume whole blood using an array microelectrode: A simple method for detection of allergic reaction. , 1999, 65, 480-484.		14
21	Quartz crystal microbalance and electrochemical studies on the electrode modified by layer-by-layer multilayers of viologen polyelectrolytes. <i>Electrochimica Acta</i> , 2004, 49, 1491-1498.	5.2	14
22	Development of a herbicide biosensor using a peptide receptor screened from a combinatorial library. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 28, 265-271.	1.8	13
23	Monitoring of hormonal drug effect in a single breast cancer cell using an estrogen responsive GFP reporter vector delivered by a nanoneedle. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1219-1222.	10.1	13
24	Quartz crystal microbalance and electrochemical studies on the electrode modified by layer-by-layer multilayers of viologen polyelectrolytes. <i>Electrochimica Acta</i> , 2004, 49, 1491-1498.	5.2	10
25	High sensitivity detection of bisphenol A using liposome chromatography. <i>Analytica Chimica Acta</i> , 2006, 578, 43-49.	5.4	10
26	Successive detection of insulin-like growth factor-II bound to receptors on a living cell surface using an AFM. <i>Journal of Molecular Recognition</i> , 2011, 24, 17-22.	2.1	10
27	Formation of nanofilms on cell surfaces to improve the insertion efficiency of a nanoneedle into cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 420, 662-665.	2.1	10
28	Nanoneedle insertion into the cell nucleus does not induce double-strand breaks in chromosomal DNA. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 391-396.	2.2	10
29	Detection of polychlorinated biphenyls using an antibody column in tandem with a fluorescent liposome column. <i>Journal of Chromatography A</i> , 2005, 1087, 229-235.	3.7	8
30	Phosphorus accumulation by a marine photosynthetic bacterium, <i>Chromatium</i> sp.. <i>Biotechnology Letters</i> , 1997, 19, 783-786.	2.2	6
31	FLUOROIMMUNOASSAY FOR THE DETERMINATION OF ALLERGEN USING BACTERIAL MAGNETIC PARTICLES. <i>Analytical Sciences</i> , 1991, 7, 899-902.	1.6	5
32	Fiber-Optic Sensor with a Sandwich Binding Technique for Fluoroimmunoassay. <i>Analytical Letters</i> , 1991, 24, 1075-1084.	1.8	5
33	Use of anion exchange resin-packed capillary column for rapid detection of anti-double-stranded DNA antibody in systemic lupus erythematosus serum. , 2000, 68, 571-575.		3
34	Title is missing!. <i>Biotechnology Letters</i> , 1998, 12, 445-449.	0.5	2
35	Nanoscale fabrication of a peptide layer using an AFM probe. , 2004, 5593, 277.		1
36	AFM Based Engineering for Single-Cell Analysis. <i>ECS Meeting Abstracts</i> , 2008, , .	0.0	0

