

Kazunori Okano

List of Publications by Year in descending order

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41
papers

790
citations

516710

16
h-index

526287

27
g-index

41
all docs

41
docs citations

41
times ranked

731
citing authors

#	ARTICLE	IF	CITATIONS
1	On-chip culture system for observation of isolated individual cells. <i>Lab on A Chip</i> , 2001, 1, 50.	6.0	183
2	Signal Sequence and Keyword Trap in silico for Selection of Full-Length Human cDNAs Encoding Secretion or Membrane Proteins from Oligo-Capped cDNA Libraries. <i>DNA Research</i> , 2005, 12, 117-126.	3.4	44
3	DNA probes on beads arrayed in a capillary, 'Bead-array', exhibited high hybridization performance. <i>Nucleic Acids Research</i> , 2002, 30, 87e-87.	14.5	42
4	<i>In-situ</i> guidance of individual neuronal processes by wet femtosecond-laser processing of self-assembled monolayers. <i>Applied Physics Letters</i> , 2011, 99, 163701.	3.3	36
5	Miniaturized pyrosequencer for DNA analysis with capillaries to deliver deoxynucleotides. <i>Electrophoresis</i> , 2001, 22, 3497-3504.	2.4	34
6	Using microparticle labeling and counting for attomole-level detection in heterogeneous immunoassay. <i>Analytical Biochemistry</i> , 1992, 202, 120-125.	2.4	31
7	Automated Bead Alignment Apparatus Using a Single Bead Capturing Technique for Fabrication of a Miniaturized Bead-Based DNA Probe Array. <i>Analytical Chemistry</i> , 2003, 75, 3250-3255.	6.5	30
8	Focal Extraction of Surface-Bound DNA from a Microchip Using Photo-Thermal Denaturation. <i>BioTechniques</i> , 2000, 28, 1006-1011.	1.8	28
9	Microchip Electrophoresis of Tagged Probes Incorporated with One-Colored ddNTP for Analyzing Single-Nucleotide Polymorphisms. <i>Analytical Chemistry</i> , 2003, 75, 3345-3351.	6.5	27
10	Femtosecond laser modification of living neuronal network. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 93, 57-63.	2.3	23
11	High-speed microparticle isolation unlimited by Poisson statistics. <i>Lab on A Chip</i> , 2019, 19, 2669-2677.	6.0	23
12	Induction of Cell-Cell Connections by Using in situ Laser Lithography on a Perfluoroalkyl-Coated Cultivation Platform. <i>ChemBioChem</i> , 2011, 12, 795-801.	2.6	20
13	In situ patterning and controlling living cells by utilizing femtosecond laser. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 28, 1-28.	11.6	20
14	A gel-free SNP genotyping method: bioluminometric assay coupled with modified primer extension reactions (BAMPER) directly from double-stranded PCR products. <i>Human Mutation</i> , 2004, 24, 155-163.	2.5	19
15	miR-34a-5p might have an important role for inducing apoptosis by down-regulation of SNAIL in apigenin-treated lung cancer cells. <i>Molecular Biology Reports</i> , 2021, 48, 2291-2297.	2.3	19
16	Micropatterning of perfluoroalkyl self-assembled monolayers for arraying proteins and cells on chips. <i>Applied Surface Science</i> , 2009, 255, 7647-7651.	6.1	18
17	In situ laser micropatterning of proteins for dynamically arranging living cells. <i>Lab on A Chip</i> , 2013, 13, 4078.	6.0	18
18	Application of differential display to identify genes for lung cancer detection in peripheral blood. <i>International Journal of Cancer</i> , 2002, 100, 592-599.	5.1	17

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19	Targeted delivery of fluorogenic peptide aptamers into live microalgae by femtosecond laser photoporation at single-cell resolution. <i>Scientific Reports</i> , 2018, 8, 8271.	3.3	16
20	Characteristics of selective polymerase chain reaction (PCR) using two-base anchored primers and improvement of its specificity. <i>Electrophoresis</i> , 1998, 19, 3071-3078.	2.4	15
21	High-speed micro-particle manipulation in a microfluidic chip by directional femtosecond laser impulse. <i>Sensors and Actuators A: Physical</i> , 2019, 297, 111566.	4.1	14
22	Mechanosensitive axon outgrowth mediated by L1-laminin clutch interface. <i>Biophysical Journal</i> , 2021, 120, 3566-3576.	0.5	12
23	Micro-channel fabrication by femtosecond laser to arrange neuronal cells on multi-electrode arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 423-428.	2.3	10
24	Local stimulation of cultured myocyte cells by femtosecond laser-induced stress wave. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 597-600.	2.3	10
25	Morphological evaluation of cell differentiation after the isolation of single cells by a femtosecond laser-induced impulsive force. <i>Biomedical Microdevices</i> , 2011, 13, 117-122.	2.8	10
26	In situ observation of cell-detachment process initiated by femtosecond laser-induced stress wave. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 127-131.	2.3	9
27	Fragment walking for long DNA sequencing by using a library as small as 16 primers. <i>Gene</i> , 1996, 176, 231-235.	2.2	8
28	Position-specific release of DNA from a chip by using photothermal denaturation. <i>Sensors and Actuators B: Chemical</i> , 2000, 64, 88-94.	7.8	8
29	Hydrodynamic particle focusing enhanced by femtosecond laser deep grooving at low Reynolds numbers. <i>Scientific Reports</i> , 2021, 11, 1652.	3.3	8
30	Viability evaluation of culture cells patterned by femtosecond laser-induced impulsive force. <i>Proceedings of SPIE</i> , 2008, , .	0.8	7
31	Focusing of Particles in a Microchannel with Laser Engraved Groove Arrays. <i>Biosensors</i> , 2021, 11, 263.	4.7	6
32	Selecting and amplifying one fragment from a DNA fragment mixture by polymerase chain reaction with a pair of selective primers. <i>Electrophoresis</i> , 1996, 17, 1833-1840.	2.4	5
33	Dynamic photopatterning of cells in situ by Q-switched neodymium-doped yttrium ortho-vanadate laser. <i>Journal of Biomedical Optics</i> , 2013, 19, 011012.	2.6	5
34	Metabolic variation of HeLa cells migrating on microfabricated cytophilic channels studied by the fluorescence lifetime of NADH. <i>RSC Advances</i> , 2014, 4, 44100-44104.	3.6	4
35	In situ measurement of cell stiffness of Arabidopsis roots growing on a glass micropillar support by atomic force microscopy. <i>Plant Biotechnology</i> , 2020, 37, 417-422.	1.0	4
36	Selective induction of targeted cell death and elimination by near-infrared femtosecond laser ablation. <i>Biochemistry and Biophysics Reports</i> , 2020, 24, 100818.	1.3	3

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37	Convenient Single-Nucleotide Polymorphism Typing from Whole Blood by Probe Extension and Bioluminescence Detection. <i>Clinical Chemistry</i> , 2004, 50, 1417-1420.	3.2	2
38	In Situ Guided Neurite Outgrowth by Femtosecond Laser Processing in a Microfluidic Device. , 2021, , .		1
39	Force measurement of plant cell utilizing atomic force microscopy. <i>Plant Morphology</i> , 2021, 33, 41-45.	0.1	1
40	Array arrangement of living cells on self-assembled-monolayer pattern chip with femtosecond laser inducing mechanical force "micro tsunami". , 2008, , .		0
41	Laser-assisted control of protein adsorption for dynamically arranging viable cells. , 2013, , .		0