

Toshihiko Ooie

List of Publications by Year in descending order

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61
papers

667
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706676

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61
docs citations

61
times ranked

931
citing authors

#	ARTICLE	IF	CITATIONS
1	A micropipette system based on low driving voltage carbon nanotube actuator. <i>Microsystem Technologies</i> , 2017, 23, 2657-2661.	1.2	5
2	Femtosecond laser direct fabrication of micro-grooved textures on a capillary flow immunoassay microchip for spatially-selected antibody immobilization. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1275-1281.	4.0	9
3	Multipoint Measurement Using an Inline Fibre Optic Spectrometer Fabricated with a 400 nm Femtosecond Laser. <i>Journal of Laser Micro Nanoengineering</i> , 2017, 12, 120-125.	0.4	0
4	Inexpensive and Reliable Monitoring of the Microdeposition of Biomolecules. <i>Analytical Letters</i> , 2015, 48, 921-928.	1.0	1
5	New Approach to a Practical Quartz Crystal Microbalance Sensor Utilizing an Inkjet Printing System. <i>Sensors</i> , 2014, 14, 20468-20479.	2.1	9
6	Inkjet monitoring technique with quartz crystal microbalance (QCM) sensor for highly reproducible antibody immobilization. <i>Sensors and Actuators A: Physical</i> , 2014, 219, 1-5.	2.0	8
7	Simultaneous Immunoassay Analysis of Plasma IL-6 and TNF- α on a Microchip. <i>PLoS ONE</i> , 2013, 8, e53620.	1.1	21
8	Quantitative analysis of plasma interleukin-6 by immunoassay on microchip. <i>Journal of Physics: Conference Series</i> , 2012, 352, 012044.	0.3	1
9	Determination of calprotectin in gingival crevicular fluid by immunoassay on a microchip. <i>Clinical Biochemistry</i> , 2012, 45, 1239-1244.	0.8	8
10	Controlling Antibody Immobilization by Laser Micro-processing. <i>Journal of Laser Micro Nanoengineering</i> , 2012, 7, 105-108.	0.4	0
11	Differential Effects of Cold Exposure on Gene Expression Profiles in White Versus Brown Adipose Tissue. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 538-547.	1.4	4
12	Quantitative Analysis of Serum Procollagen Type I C-Terminal Propeptide by Immunoassay on Microchip. <i>PLoS ONE</i> , 2011, 6, e18807.	1.1	20
13	Laser-controlled Injector for Biological Applications. <i>Journal of Laser Micro Nanoengineering</i> , 2011, 6, 44-48.	0.4	2
14	Analysis of DNA ligation by microchip electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 323-328.	1.4	4
15	Development of a Single-channel Multiple Immunoassay Chip. <i>Journal of Laser Micro Nanoengineering</i> , 2010, 5, 35-38.	0.4	4
16	Laser damage to marine plankton and its application to checking biofouling and invasion by aquatic species: a laboratory study. <i>Biofouling</i> , 2009, 25, 95-98.	0.8	6
17	Measuring the Length Distribution of Self-Assembled Lipid Nanotubes by Orientation Control with a High-Frequency Alternating Current Electric Field in Aqueous Solutions. <i>Analytical Chemistry</i> , 2009, 81, 1459-1464.	3.2	15
18	Importance of probe location for quantitative comparison of signal intensities among genes in microarray analysis. <i>Journal of Proteomics</i> , 2008, 70, 926-931.	2.4	7

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19	Autofluorescence of Electrophoresis Chip Grooved by Excimer Laser. <i>Journal of Laser Micro Nanoengineering</i> , 2008, 3, 88-94.	0.4	4
20	Usefulness of the 5' region of the cDNA encoding acidic ribosomal phosphoprotein PO conserved among rats, mice, and humans as a standard probe for gene expression analysis in different tissues and animal species. <i>Journal of Proteomics</i> , 2007, 70, 481-486.	2.4	112
21	Possible utilization of in vitro synthesized mRNAs specifically expressed in certain tissues as standards for quantitative evaluation of the results of microarray analysis. <i>Journal of Proteomics</i> , 2007, 70, 755-760.	2.4	10
22	Direct Bonding of Glass and Metal Using Short Pulsed Laser. <i>Journal of Laser Micro Nanoengineering</i> , 2007, 2, 133-136.	0.4	22
23	Molecular level damages of low power pulsed laser radiation in a marine bacterium <i>Pseudoalteromonas carrageenovora</i> . <i>Letters in Applied Microbiology</i> , 2006, 42, 521-526.	1.0	9
24	In Vitro Laser Ablation of Natural Marine Biofilms. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6905-6908.	1.4	18
25	In vitro laser ablation of laboratory developed biofilms using an Nd:YAG laser of 532 nm wavelength. <i>Biotechnology and Bioengineering</i> , 2004, 86, 729-736.	1.7	15
26	Recolonization of laser-ablated bacterial biofilm. <i>Biotechnology and Bioengineering</i> , 2004, 85, 185-189.	1.7	7
27	Laser impact assessment in a biofilm-forming bacterium <i>Pseudoalteromonas carrageenovora</i> using a flow cytometric system. <i>Biotechnology and Bioengineering</i> , 2003, 82, 399-402.	1.7	3
28	Laser Impact on Marine Planktonic Diatoms: An Experimental Study Using a Flow Cytometry System. <i>Biofouling</i> , 2003, 19, 133-138.	0.8	4
29	Pulsed laser irradiation impact on two marine diatoms <i>Skeletonema costatum</i> and <i>Chaetoceros gracilis</i> . <i>Water Research</i> , 2003, 37, 2311-2316.	5.3	19
30	Laser Impact on Bacterial ATP: Insights into the Mechanism of Laser-Bacteria Interactions. <i>Biofouling</i> , 2003, 19, 109-114.	0.8	7
31	Carbon nitride films synthesized by pulsed laser deposition with additional laser irradiation to plume. , 2003, , .		0
32	Lethal and sublethal impacts of pulsed laser irradiations on the larvae of the fouling barnacle <i>Balanus amphitrite</i> . <i>Biofouling</i> , 2003, 19, 169-176.	0.8	5
33	Green Cathodoluminescence Properties of Zinc Oxide Films Prepared by Excimer Laser Irradiation of a Sol-Gel-Derived Precursor. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 1179-1184.	0.8	8
34	Diamond-like carbon films by pulsed laser deposition with additional laser irradiation to plume. , 2003, , .		0
35	Time-resolved measurement of surface displacement in excimer laser ablation of Si. , 2003, , .		0
36	Optical properties of N-doped diamond-like carbon films synthesized by pulsed laser deposition. , 2003, , .		0

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37	Lethal and Sub-lethal Impacts of Pulsed Laser Irradiations on the Larvae of the Fouling Barnacle <i>Balanus amphitrite</i> . <i>Biofouling</i> , 2003, 19, 169-176.	0.8	4
38	Impact of pulsed Nd:YAG laser on the marine biofilm-forming bacteria <i>Pseudoalteromonas carrageenovora</i> : significance of physiological status. <i>Canadian Journal of Microbiology</i> , 2002, 48, 326-332.	0.8	13
39	Valence band electronic structure of carbon nitride from x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2002, 92, 281-287.	1.1	30
40	Structure and properties of carbon nitride thin films synthesized by nitrogen-ion-beam-assisted pulsed laser ablation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2002, 20, 1639-1643.	0.9	5
41	Impact of Pulsed Nd:YAG Laser Irradiation on the Growth and Mortality of the Biofilm Forming Marine Bacterium <i>Pseudoalteromonas carrageenovora</i> . <i>Biofouling</i> , 2002, 18, 123-127.	0.8	20
42	Impact of Pulsed Laser Irradiations from Nd:YAG Laser on the Larvae of the Fouling Barnacle <i>Balanus amphitrite</i> . <i>Biofouling</i> , 2002, 18, 257-262.	0.8	10
43	Carbon nitride films with low friction coefficient synthesized by nitrogen-ion-beam-assisted pulsed laser deposition. <i>Diamond and Related Materials</i> , 2002, 11, 1629-1632.	1.8	6
44	Inhibition of bacterial attachment by pulsed Nd:YAG laser irradiations: An in vitro study using marine biofilm-forming bacterium <i>Pseudoalteromonas carrageenovora</i> . <i>Biotechnology and Bioengineering</i> , 2002, 80, 552-558.	1.7	14
45	Raman characteristics of carbon nitride synthesized by nitrogen-ion-beam-assisted pulsed laser deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, 213-216.	1.1	11
46	Laser-induced optical emission of carbon plume by excimer and Nd:YAG laser irradiation. <i>Applied Surface Science</i> , 2002, 197-198, 263-267.	3.1	9
47	Irradiation effect of low energy nitrogen-ion beam during pulsed laser deposition process on the structural and bonding properties of carbon nitride thin films. <i>Journal of Applied Physics</i> , 2001, 89, 1580.	1.1	16
48	Core-level and valence-band characteristics of carbon nitride films with high nitrogen content. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 73, 97-101.	1.1	7
49	Morphology, Structure and Photoluminescence Properties of Zinc Oxide Films Prepared by Excimer Laser Irradiation of Sol-Gel-Derived Precursors. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 6296-6303.	0.8	10
50	Structural and bonding properties of carbon nitride films synthesized by low energy nitrogen-ion-beam-assisted pulsed laser deposition with different laser fluences. <i>Journal of Applied Physics</i> , 2001, 89, 1634.	1.1	32
51	Diagnostics of KrF- and Nd:YAG-Laser Produced Carbon Plumes by Time- and Spatially-Resolved Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2000, 39, 6272-6276.	0.8	7
52	A Novel Method for the Preparation of Green Photoluminescent Undoped Zinc Oxide Film Involving Excimer Laser Irradiation of a Sol-Gel-Derived Precursor. <i>Japanese Journal of Applied Physics</i> , 2000, 39, L713-L715.	0.8	25
53	An ion source using laser ablation. <i>Journal of Laser Applications</i> , 2000, 12, 171-174.	0.8	4
54	A novel approach to prepare zinc oxide films: excimer laser irradiation of sol-gel derived precursor films. <i>Thin Solid Films</i> , 1999, 357, 151-158.	0.8	67

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55	<title>Electrical and optical properties of ITO films deposited by excimer-laser-assisted EB method</title>. , 1999, , .		0
56	New ion source using laser ablation. , 1997, , .		0
57	Time-resolved detection of laser-ablated particles based on intensity decrease of cw probe laser beam. Applied Surface Science, 1996, 100-101, 301-304.	3.1	0
58	Amorphous alloy films deposited by excimer laser ablation using sintered Ta-Ni targets. Journal of Materials Science Letters, 1996, 15, 1994-1996.	0.5	9
59	Deposition of tantalum-oxide films using laser ablation. , 1996, , .		0
60	Deposition of amorphous alloy films by excimer laser ablation. , 1996, , .		0
61	Femtosecond Laser-Induced Surface Modification and its Application. , 0, , .		1