

Yuzuru Iwasaki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/699453/publications.pdf>

Version: 2024-02-01

41
papers

982
citations

394421

19
h-index

434195

31
g-index

41
all docs

41
docs citations

41
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon Sensors, Its Structure and Functions. , 2021, , .		0
2	Direct Measurement of Near-Wall Molecular Transport Rate in a Microchannel and Its Dependence on Diffusivity. Langmuir, 2021, 37, 8687-8695.	3.5	4
3	A reliable aptamer array prepared by repeating inkjet-spotting toward on-site measurement. Biosensors and Bioelectronics, 2016, 85, 943-949.	10.1	9
4	Polymer brush biointerfaces for highly sensitive biosensors that preserve the structure and function of immobilized proteins. Sensors and Actuators B: Chemical, 2015, 216, 428-433.	7.8	39
5	Air-band optical resonators in one-dimensional Si photonic crystal waveguides for biosensing applications. Japanese Journal of Applied Physics, 2014, 53, 04EG09.	1.5	4
6	Passive Fluidic Chip Composed of Integrated Vertical Capillary Tubes Developed for On-Site SPR Immunoassay Analysis Targeting Real Samples. Sensors, 2012, 12, 7095-7108.	3.8	12
7	Floating Chip Mounting System Driven by Repulsive Force of Permanent Magnets for Multiple On-Site SPR Immunoassay Measurements. Sensors, 2012, 12, 13964-13984.	3.8	8
8	Patterned cellulose membrane for surface plasmon resonance measurement. Sensors and Actuators B: Chemical, 2012, 173, 354-360.	7.8	9
9	Development of Nanoscale Interdigitated Array Electrode as Electrochemical Sensor Platform for Highly Sensitive Detection of Biomolecules. Journal of the Electrochemical Society, 2008, 155, J240.	2.9	23
10	Newly Developed Chemical Probes and Nano-Devices for Cellular Analysis. Analytical Sciences, 2008, 24, 55-66.	1.6	14
11	Heavy Phosphate Adsorption on Amorphous ITO Film Electrodes: Nano-Barrier Effect for Highly Selective Exclusion of Anionic Species. Langmuir, 2007, 23, 8400-8405.	3.5	15
12	Room-Temperature Ionic-Liquid-Incorporated Plasma-Deposited Thin Films for Discriminative Alcohol-Vapor Sensing. Chemistry of Materials, 2006, 18, 2656-2662.	6.7	15
13	Fabrication of a Nanofluidic Channel for SPR Sensing Application Using Glass-to-Glass Anodic Bonding. Electrochemistry, 2006, 74, 169-171.	1.4	4
14	Highly Selective Response of Dopamine Against its Metabolite and Interfering Molecules at Sputtered ITO Electrode Surface. Electrochemistry, 2006, 74, 135-137.	1.4	8
15	Electrochemical Surface Plasmon Resonance Measurement of Electrocatalytic Oxidation of Glucose on Gold Electrode. Electrochemistry, 2006, 74, 172-174.	1.4	1
16	Imaging of flow pattern in micro flow channel using surface plasmon resonance. Measurement Science and Technology, 2006, 17, 3184-3188.	2.6	8
17	Selective Electrochemical Response of Dopamine against 3,4-Dihydroxyphenylacetic Acid at Bare Indium-Tin Oxide Electrode. Chemistry Letters, 2005, 34, 1120-1121.	1.3	21
18	The highly sensitive detection of catecholamines using a microfluidic device integrated with an enzyme-modified pre-reactor for interferent elimination and an interdigitated array electrode. Journal of Electroanalytical Chemistry, 2005, 579, 215-222.	3.8	30

#	ARTICLE	IF	CITATIONS
19	On-Line Monolithic Enzyme Reactor Fabricated by Sol-Gel Process for Elimination of Ascorbic Acid While Monitoring Dopamine. <i>Electroanalysis</i> , 2005, 17, 231-238.	2.9	22
20	Selective Detection of a Catecholamine against Electroactive Interferents Using an Interdigitated Heteroarray Electrode Consisting of a Metal Oxide Electrode and a Metal Band Electrode. <i>Analytical Chemistry</i> , 2005, 77, 5236-5242.	6.5	37
21	Discriminative Detection of Volatile Sulfur Compound Mixtures with a Plasma-Polymerized Film-Based Sensor Array Installed in a Humidity-Control System. <i>Analytical Chemistry</i> , 2005, 77, 4228-4234.	6.5	17
22	Reductive H ₂ O ₂ Detection at Nanoparticle Iridium/Carbon Film Electrode and Its Application as L-Glutamate Enzyme Sensor. <i>Electroanalysis</i> , 2004, 16, 54-59.	2.9	52
23	Fiber-optic conical microsensors for surface plasmon resonance using chemically etched single-mode fiber. <i>Analytica Chimica Acta</i> , 2004, 523, 165-170.	5.4	96
24	Biocompatible glucose sensor prepared by modifying protein and vinylferrocene monomer composite membrane. <i>Biosensors and Bioelectronics</i> , 2004, 20, 518-523.	10.1	27
25	On-line microfluidic sensor integrated with a micro array electrode and enzyme-modified pre-reactor for the real-time monitoring of blood catecholamine. <i>Electrochemistry Communications</i> , 2003, 5, 1037-1042.	4.7	37
26	Co-Sputtered Thin Film Consisting of Platinum Nanoparticles Embedded in Graphite-Like Carbon and Its High Electrocatalytic Properties for Electroanalysis. <i>Chemistry of Materials</i> , 2002, 14, 4796-4799.	6.7	30
27	Application of an Absorption-Based Surface Plasmon Resonance Principle to the Development of SPR Ammonium Ion and Enzyme Sensors. <i>Analytical Chemistry</i> , 2002, 74, 6106-6110.	6.5	39
28	Preparation of refractive index matching polymer film alternative to oil for use in a portable surface-plasmon resonance phenomenon-based chemical sensor method. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 222-226.	3.7	18
29	Imaging of electrochemical enzyme sensor on gold electrode using surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2002, 17, 783-788.	10.1	34
30	Real-Time SPR Imaging of Biochemical Reactions in Microfluidic Systems. , 2002, , 263-265.		0
31	Detection of Electrochemical Enzymatic Reactions by Surface Plasmon Resonance Measurement. <i>Analytical Chemistry</i> , 2001, 73, 1595-1598.	6.5	119
32	A novel biosensor using electrochemical surface plasmon resonance measurements. <i>Chemical Communications</i> , 2000, , 741-742.	4.1	23
33	Electrochemical reaction of Fe(CN) ₃ ⁴⁻ /4 ⁶⁻ on gold electrodes analyzed by surface plasmon resonance. <i>Surface Science</i> , 1999, 427-428, 195-198.	1.9	35
34	Analysis of electrochemical processes using surface plasmon resonance. <i>Sensors and Actuators B: Chemical</i> , 1998, 50, 145-148.	7.8	40
35	Time differential surface plasmon resonance measurements applied for electrochemical analysis. <i>Electroanalysis</i> , 1997, 9, 1239-1241.	2.9	45
36	Selective Electrochemical Detection Using a Split Disk Array Electrode in a Thin-Layer Radial Flow System. <i>Analytical Chemistry</i> , 1996, 68, 3797-3800.	6.5	15

#	ARTICLE	IF	CITATIONS
37	Electrochemical Behaviour of Copper-Containing Nitrite Reductase from <i>Alcaligenes Faecalis</i> Strain-6. <i>Biocatalysis</i> , 1992, 6, 235-245.	0.9	3
38	Direct electron transfer reaction of a blue protein from <i>Alcaligenes faecalis</i> strain 6. <i>Electroanalysis</i> , 1992, 4, 765-770.	2.9	3
39	Electrocatalysis of nitrite reductase from <i>Alcaligenes faecalis</i> strain 6 mediated by native redox partner. <i>Electroanalysis</i> , 1992, 4, 771-776.	2.9	7
40	Detection of odorants using an array of piezoelectric crystals and neural-network pattern recognition. <i>Analytica Chimica Acta</i> , 1991, 249, 323-329.	5.4	52
41	Photoresponse of a reconstituted membrane containing bacteriorhodopsin observed by using an ion-selective field effect transistor. <i>Journal of Biotechnology</i> , 1989, 10, 127-134.	3.8	7