List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Ex vivo susceptibility of Plasmodium falciparum to antimalarial drugs in Northern Uganda. Parasitology International, 2021, 81, 102277.	0.6	9
2	Application of Micropore Device for Accurate, Easy, and Rapid Discrimination of Saccharomyces pastorianus from Dekkera spp Biosensors, 2021, 11, 272.	2.3	1
3	Quantitative Detection of Plasmodium falciparum Using, LUNA-FL, A Fluorescent Cell Counter. Microorganisms, 2020, 8, 1356.	1.6	1
4	Highly Sensitive and Rapid Quantitative Detection of Plasmodium falciparum Using an Image Cytometer. Microorganisms, 2020, 8, 1769.	1.6	0
5	Protective effects of Olyset® Net on Plasmodium falciparum infection after three years of distribution in western Kenya. Malaria Journal, 2020, 19, 373.	0.8	2
6	Development of a quantitative, portable, and automated fluorescent blue-ray device-based malaria diagnostic equipment with an on-disc SiO2 nanofiber filter. Scientific Reports, 2020, 10, 6585.	1.6	7
7	Nucleic acid purification from dried blood spot on FTA Elute Card provides template for polymerase chain reaction for highly sensitive Plasmodium detection. Parasitology International, 2019, 73, 101941.	0.6	15
8	Development of a highly sensitive, quantitative, and rapid detection system for Plasmodium falciparum-infected red blood cells using a fluorescent blue-ray optical system. Biosensors and Bioelectronics, 2019, 132, 375-381.	5.3	8
9	Small-scale culture of Plasmodium falciparum using $\hat{1}$ /4-Slide Angiogenesis followed by automatic infection rate counting to assess drug effects. Parasitology International, 2019, 69, 54-58.	0.6	0
10	Loop-Mediated Isothermal Amplification in Microchambers on a Cell Microarray Chip for Identification of Plasmodium Species. Journal of Parasitology, 2019, 105, 69.	0.3	3
11	Liposome Microencapsulation for the Surface Modification and Improved Entrapment of Cytochrome c for Targeted Delivery. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 101-109.	0.8	3
12	Early diagnosis of type 2 diabetes based on multiple biomarkers and non-invasive indices. Journal of Clinical Biochemistry and Nutrition, 2018, 62, 187-194.	0.6	5
13	Artemisinin <i>-</i> Resistant <i>Plasmodium falciparum</i> with High Survival Rates, Uganda, 2014–2016. Emerging Infectious Diseases, 2018, 24, 718-726.	2.0	104
14	In situ loop-mediated isothermal amplification (LAMP) for identification of Plasmodium species in wide-range thin blood smears. Malaria Journal, 2018, 17, 235.	0.8	10
15	Pseudo-Infected Red Blood Cell Beads as Positive Control for Cell Microarray Chip–Based Detection of <i>Plasmodium</i> -Infected RBCs. Journal of Parasitology, 2018, 104, 283-288.	0.3	1
16	Absence of in vivo selection for K13 mutations after artemether–lumefantrine treatment in Uganda. Malaria Journal, 2017, 16, 23.	0.8	24
17	Femtosecond laser direct fabrication of micro-grooved textures on a capillary flow immunoassay microchip for spatially-selected antibody immobilization. Sensors and Actuators B: Chemical, 2017, 239, 1275-1281.	4.0	9
18	Development of a cell microarray chip system for early and accurate malaria diagnosis. Synthesiology, 2017, 10, 33-40	0.2	0

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19	Hydrophilic-treated plastic plates for wide-range analysis of Giemsa-stained red blood cells and automated Plasmodium infection rate counting. Malaria Journal, 2017, 16, 321.	0.8	7
20	Development of a cell microarray chip system for early and accurate malaria diagnosis. Synthesiology, 2017, 10, 34-41.	0.2	0
21	Prognostic Impact of Circulating Tumor Cell Detected Using a Novel Fluidic Cell Microarray Chip System in Patients with Breast Cancer. EBioMedicine, 2016, 11, 173-182.	2.7	19
22	Application of a cell microarray chip system for accurate, highly sensitive and rapid diagnosis for malaria in Uganda. Scientific Reports, 2016, 6, 30136.	1.6	24
23	Sensitive Detection of Cell Surface Membrane Proteins in Living Breast Cancer Cells Using Multicolor Fluorescence Microscopy with a Plasmonic Chip. ACS Applied Materials & Interfaces, 2016, 8, 29893-29898.	4.0	32
24	Effect of Hangeshashinto on calprotectin expression in human oral epithelial cells. Odontology / the Society of the Nippon Dental University, 2016, 104, 152-162.	0.9	13
25	Abstract 500: Prognostic impact of CTC detected using a novel fluidic cell microarray chip CTC detection system in patients with breast cancer. , 2016, , .		0
26	Multicolor fluorescence microscopic imaging of cancer cells on the plasmonic chip (Presentation) Tj ETQq0 0 0	rgBT /Over	lock 10 Tf 50
27	Immunoblotting with Peptide Antibodies: Differential Immunoreactivities Caused by Certain Amino Acid Substitutions in a Short Peptide and Possible Effects of Differential Refolding of the Peptide on a Nitrocellulose or PVDF Membrane. Methods in Molecular Biology, 2015, 1348, 303-310.	0.4	1
28	Multi-Biomarkers for Early Detection of Type 2 Diabetes, Including 10- and 12-(Z,E)-Hydroxyoctadecadienoic Acids, Insulin, Leptin, and Adiponectin. PLoS ONE, 2015, 10, e0130971.	1.1	27
29	Inkjet monitoring technique with quartz crystal microbalance (QCM) sensor for highly reproducible antibody immobilization. Sensors and Actuators A: Physical, 2014, 219, 1-5.	2.0	8
30	Mechanism of interleukin-1α transcriptional regulation of S100A9 in a human epidermal keratinocyte cell line. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2013, 1829, 954-962.	0.9	21
31	Simultaneous Immunoassay Analysis of Plasma IL-6 and TNF-α on a Microchip. PLoS ONE, 2013, 8, e53620.	1.1	21
32	Singlet Oxygen Induced Products of Linoleates, 10- and 12-(Z,E)-Hydroxyoctadecadienoic Acids (HODE), Can Be Potential Biomarkers for Early Detection of Type 2 Diabetes. PLoS ONE, 2013, 8, e63542.	1.1	49
33	Detection of miRNA in Cell Cultures by Using Microchip Electrophoresis with a Fluorescence-Labeled Riboprobe. Sensors, 2012, 12, 7576-7586.	2.1	6
34	Quantitative analysis of plasma interleiukin-6 by immunoassay on microchip. Journal of Physics: Conference Series, 2012, 352, 012044.	0.3	1
35	Development of a cell microarray chip for detection of circulating tumor cells. Journal of Physics: Conference Series, 2012, 352, 012041.	0.3	2
36	Determination of calprotectin in gingival crevicular fluid by immunoassay on a microchip. Clinical Biochemistry, 2012, 45, 1239-1244.	0.8	8

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37	Accurate Detection of Carcinoma Cells by Use of a Cell Microarray Chip. PLoS ONE, 2012, 7, e32370.	1.1	24
38	Resistin in gingival crevicular fluid and induction of resistin release by <i>Porphyromonas gingivalis</i> lipopolysaccharide in human neutrophils. Journal of Periodontal Research, 2012, 47, 554-562.	1.4	32
39	Analysis of proteins in human gingival crevicular fluid by mass spectrometry. Journal of Periodontal Research, 2012, 47, 488-499.	1.4	59
40	Controlling Antibody Immobilization by Laser Micro-processing. Journal of Laser Micro Nanoengineering, 2012, 7, 105-108.	0.4	0
41	Ribonuclease protection assay on microchip electrophoresis. Analyst, The, 2011, 136, 2247.	1.7	6
42	Regulation of antimicrobial peptide expression in human gingival keratinocytes by interleukin-1α. Archives of Oral Biology, 2011, 56, 761-767.	0.8	41
43	Quantitative evaluation of the effects of cold exposure of rats on the expression levels of ten FABP isoforms in brown adipose tissue. Biotechnology Letters, 2011, 33, 237-242.	1.1	10
44	Differential Effects of Cold Exposure on Gene Expression Profiles in White Versus Brown Adipose Tissue. Applied Biochemistry and Biotechnology, 2011, 165, 538-547.	1.4	4
45	Application of microchip electrophoresis for clinical tests. Electrical Engineering in Japan (English) Tj ETQq1 1 C	.784314 rg 0.2	gBT /Overlock
46	Rapid qualitative evaluation of DNA transcription factor NFâ€̂₽B by microchip electrophoretic mobility shift assay in mammalian cells. Electrophoresis, 2011, 32, 3241-3247.	1.3	6
47	Highly sensitive DNA detection with a combination of 2 DNA-intercalating dyes for microchip electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 202-205.	1.4	10
48	Quantitative Analysis of Serum Procollagen Type I C-Terminal Propeptide by Immunoassay on Microchip. PLoS ONE, 2011, 6, e18807.	1.1	20
49	Laser-controlled Injector for Biological Applications. Journal of Laser Micro Nanoengineering, 2011, 6, 44-48.	0.4	2
50	Replacement of C305 in Heart/Muscle-Type Isozyme of Human Carnitine Palmitoyltransferase I with Aspartic Acid and Other Amino Acids. Biochemical Genetics, 2010, 48, 193-201.	0.8	6
51	Analysis of DNA ligation by microchip electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 323-328.	1.4	4
52	Modulation of calprotectin in human keratinocytes by keratinocyte growth factor and interleukinâ€1α. Immunology and Cell Biology, 2010, 88, 328-333.	1.0	19
53	Shosaikoto increases calprotectin expression in human oral epithelial cells. Journal of Periodontal Research, 2010, 45, 79-86.	1.4	13
54	Specific formation of trypsin-resistant micelles on a hydrophobic peptide observed with Triton X-100 but not with octylglucoside. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 2090-2093.	1.4	4

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55	Rapid and Highly Sensitive Detection of Malaria-Infected Erythrocytes Using a Cell Microarray Chip. PLoS ONE, 2010, 5, e13179.	1.1	38
56	Development of a Single-channel Multiple Immunoassay Chip. Journal of Laser Micro Nanoengineering, 2010, 5, 35-38.	0.4	4
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58	Application of Microchip for Biomarker Analysis. IEEJ Transactions on Electronics, Information and Systems, 2010, 130, 1694-1697.	0.1	0
59	Differential Permeabilization Effects of Ca2+ and Valinomycin on the Inner and Outer Mitochondrial Membranes as Revealed by Proteomics Analysis of Proteins Released from Mitochondria. Molecular and Cellular Proteomics, 2009, 8, 1265-1277.	2.5	33
60	Ca2+-induced permeability transition can be observed even in yeast mitochondria under optimized experimental conditions. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 1486-1491.	0.5	54
61	Substitution of certain amino acids in a short peptide causes a significant difference in their immunoreactivities with antibodies against different epitopes: Evidence for possible folding of the peptide on a nitrocellulose or PVDF membrane. Biologicals, 2009, 37, 44-47.	0.5	4
62	Construction of plasmids suitable for inÂvitro synthesis of full-length mRNAs having a 3′-poly(A)+tail. Biotechnology Letters, 2009, 31, 203-207.	1.1	2
63	Classification of FABP isoforms and tissues based on quantitative evaluation of transcript levels of these isoforms in various rat tissues. Biotechnology Letters, 2009, 31, 1695-1701.	1.1	31
64	Direct endonuclease digestion and multi-analysis of restriction fragment length polymorphisms by microchip electrophoresis. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 947-953.	1.4	5
65	Sequential analysis of RNA synthesis by microchip electrophoresis. Analytical Biochemistry, 2009, 388, 161-163.	1.1	8
66	Genetic Risk Factors for Periodontitis in a Japanese Population. Journal of Dental Research, 2009, 88, 1137-1141.	2.5	27
67	Specific formation of trypsin resistant micelle structure on a hydrophobic peptide observed with Triton X−100 but not with ocytlglucoside. , 2009, , .		0
68	Application of Microchip Electrophoresis for Clinical Tests. IEEJ Transactions on Electronics, Information and Systems, 2009, 129, 282-287.	0.1	0
69	Distinct behaviors of adenylate kinase and cytochrome c observed following induction of mitochondrial permeability transition by Ca2+ in the absence of respiratory substrate. Journal of Bioenergetics and Biomembranes, 2008, 40, 619-623.	1.0	9
70	Accurate quantitation of salivary and pancreatic amylase activities in human plasma by microchip electrophoretic separation of the substrates and hydrolysates coupled with immunoinhibition. Electrophoresis, 2008, 29, 1902-1909.	1.3	21
71	Synchronized changes in transcript levels of genes activating cold exposure-induced thermogenesis in brown adipose tissue of experimental animals. Biochimica Et Biophysica Acta - Bioenergetics, 2008, 1777, 104-112.	0.5	25
72	Functionally important conserved length of C-terminal regions of yeast and bovine ADP/ATP carriers, identified by deletion mutants studies, and water accessibility of the amino acids at the C-terminal region of the yeast carrier. Mitochondrion, 2008, 8, 196-204.	1.6	4

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#	Article	IF	CITATIONS
73	Importance of probe location for quantitative comparison of signal intensities among genes in microarray analysis. Journal of Proteomics, 2008, 70, 926-931.	2.4	7
74	Efficiency of cell-free protein synthesis based on a crude cell extract from Escherichia coli, wheat germ, and rabbit reticulocytes. Journal of Biotechnology, 2008, 133, 183-189.	1.9	26
75	Cold-Induced Changes in Gene Expression in Brown Adipose Tissue: Implications for the Activation of Thermogenesis. Biological and Pharmaceutical Bulletin, 2008, 31, 775-784.	0.6	40
76	Peptide Immobilization on GaAs Surfaces and the Application to Label-Free Detection of Antigen-Antibody Interactions Using Multiple Internal Reflection Infrared Spectroscopy. Sensor Letters, 2008, 6, 613-617.	0.4	3
77	Surface Infrared Spectroscopic Study on Label-Free Detection of Antigen-Antibody Interactions: Discrimination between Specific and Nonspecific Signals using Protein Secondary Structure Analysis. Hyomen Kagaku, 2008, 29, 558-563.	0.0	Ο
78	Design, preparation and directional insertion of peptides into lipid bilayer membrane and their application for the preparation of liposome of which surface could be coated by externally added antibody. , 2007, , .		1
79	Label-Free Detection of Proteinâ ``Protein Interactions at the GaAs/Water Interface through Surface Infrared Spectroscopy:  Discrimination between Specific and Nonspecific Interactions by Using Secondary Structure Analysis. Langmuir, 2007, 23, 12287-12292.	1.6	28
80	Determination of human blood glucose levels using microchip electrophoresis. Electrophoresis, 2007, 28, 2927-2933.	1.3	29
81	Interleukinâ€1 α regulates antimicrobial peptide expression in human keratinocytes. Immunology and Cell Biology, 2007, 85, 532-537.	1.0	72
82	Regulation of calprotectin expression by interleukin-1? and transforming growth factor-? in human gingival keratinocytes. Journal of Periodontal Research, 2007, 42, 1-7.	1.4	34
83	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. Journal of Proteomics, 2007, 70, 481-486.	2.4	112
84	Possible utilization of in vitro synthesized mRNAs specifically expressed in certain tissues as standards for quantitative evaluation of the results of microarray analysis. Journal of Proteomics, 2007, 70, 755-760.	2.4	10
85	Regulation of calprotectin expression in human keratinocytes in vitro. Journal of Japanese Society of Periodontology, 2007, 49, 224-232.	0.1	1
86	Possibility of Microchip Electrophoresis for Biological Application. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 222-226.	0.1	0
87	Mutant coat proteins of Pf3 bacteriophage as models of membrane proteins and their interactions with lipid bilayer membrane. , 2006, , .		Ο
88	VDAC1, Having a Shorter N-Terminus Than VDAC2 but Showing the Same Migration in an SDSâ''Polyacrylamide Gel, Is the Predominant Form Expressed in Mitochondria of Various Tissues. Journal of Proteome Research, 2006, 5, 3336-3344.	1.8	76
89	The structure of the second cytosolic loop of the yeast mitochondrial ADP/ATP carrier AAC2 is dependent on the conformational state. Mitochondrion, 2006, 6, 245-251.	1.6	10
90	Norepinephrine stimulates calprotectin expression in human monocytic cells. Journal of Periodontal Research, 2006, 41, 159-164.	1.4	17

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91	High-turnover osteoporosis is induced by cyclosporin A in rats. Journal of Bone and Mineral Metabolism, 2006, 24, 199-205.	1.3	29
92	Drug-Induced Gingival Overgrowth—a Review. Biological and Pharmaceutical Bulletin, 2005, 28, 1817-1821.	0.6	99
93	Analysis of Sources of Error in Quantitation of Purified DNA Fragments and Unpurified PCR Products by DNA Microchip Electrophoresis. Chromatographia, 2005, 61, 339-344.	0.7	8
94	Analysis of mitochondrial membrane potential in the cells by microchip flow cytometry. Electrophoresis, 2005, 26, 3025-3031.	1.3	33
95	Two Critical Factors Affecting the Release of Mitochondrial Cytochrome c as Revealed by Studies Using N,N′-Dicyclohexylcarbodiimide as an Atypical Inducer of Permeability Transition. Journal of Bioenergetics and Biomembranes, 2005, 37, 299-307.	1.0	12
96	α2 Integrin +807 Polymorphism in Drug-induced Gingival Overgrowth. Journal of Dental Research, 2005, 84, 1183-1186.	2.5	20
97	Calprotectin Expression in Human Monocytes: Induction byPorphyromonas gingivalisLipopolysaccharide, Tumor Necrosis Factor-α, and Interleukin-1β. Journal of Periodontology, 2005, 76, 437-442.	1.7	53
98	Molecular basis of morphological changes in mitochondrial membrane accompanying induction of permeability transition, as revealed by immuno-electron microscopy. Mitochondrion, 2005, 5, 248-254.	1.6	8
99	Usefulness of microchip electrophoresis for reliable analyses of nonstandard DNA samples and subsequent on-chip enzymatic digestion. FEBS Journal, 2004, 271, 2241-2247.	0.2	25
100	Multiple effects of DiS-C3(5) on mitochondrial structure and function. FEBS Journal, 2004, 271, 3573-3579.	0.2	15
101	Induction of calprotectin release by Porphyromonasgingivalis lipopolysaccharide in human neutrophils. Oral Microbiology and Immunology, 2004, 19, 182-187.	2.8	31
102	Regulation of tenascin expression in cultured rat dental pulp cells. Odontology / the Society of the Nippon Dental University, 2004, 92, 22-26.	0.9	6
103	Substance P Enhances the Inhibition of Osteoblastic Cell Differentiation Induced by Lipopolysaccharide FromPorphyromonas gingivalis. Journal of Periodontology, 2004, 75, 974-981.	1.7	52
104	Calprotectin release from human neutrophils is induced by Porphyromonas gingivalis lipopolysaccharide via the CD-14-Toll-like receptor-nuclear factor IºB pathway. Journal of Periodontal Research, 2003, 38, 557-563.	1.4	60
105	Decreased expression of alpha2 integrin in fibroblasts isolated from cyclosporin A- induced gingival overgrowth in rats. Journal of Periodontal Research, 2003, 38, 533-537.	1.4	21
106	Effect ofPorphyromonas gingivalisLipopolysaccharide, Tumor Necrosis Factor-α, and Interleukin-1β on calprotectin release in human monocytes. Journal of Periodontology, 2003, 74, 1719-1724.	1.7	34
107	PCR-select subtraction for characterization of messages differentially expressed in brown compared with white adipose tissue. Molecular Genetics and Metabolism, 2003, 80, 255-261.	0.5	9
108	Three-Way Effect of Cyanine Dye on the Structure and Function of Mitochondria. Journal of Health Science, 2003, 49, 448-453.	0.9	2

ΜΑSΑΤΟSΗΙ ΚΑΤΑΟΚΑ

#	Article	IF	CITATIONS
109	Nifedipine Induces Gingival Epithelial Hyperplasia in Rats Through Inhibition of Apoptosis. Journal of Periodontology, 2002, 73, 861-867.	1.7	34
110	Nifedipine Induces Gingival Overgrowth in Rats Through a Reduction in Collagen Phagocytosis by Gingival Fibroblasts. Journal of Periodontology, 2001, 72, 1078-1083.	1.7	27
111	Cyclosporin A decreases the degradation of type I collagen in rat gingival overgrowth. Journal of Cellular Physiology, 2000, 182, 351-358.	2.0	80
112	Mast Cells Are Not Involved in the Development of Cyclosporin A-Induced Gingival Hyperplasia: A Study With Mast Cell-Deficient Mice. Journal of Periodontology, 2000, 71, 1117-1120.	1.7	6
113	The Association of Calprotectin Level in Gingival Crevicular Fluid With Gingival Index and the Activities of Collagenase and Aspartate Aminotransferase in Adult Periodontitis Patients. Journal of Periodontology, 2000, 71, 361-367.	1.7	63
114	Calprotectin in gingival crevicular fluid correlates with clinical and biochemical markers of periodontal disease. Journal of Clinical Periodontology, 1999, 26, 653-657.	2.3	89
115	Stimulatory effects of phenytoin on osteoblastic differentiation of fetal rat calvaria cells in culture. Bone, 1999, 25, 653-660.	1.4	28
116	Effect of retinoic acid on osteopontin expression in rat clonal dental pulp cells. Journal of Endodontics, 1999, 25, 683-685.	1.4	7
117	Pronounced Palatal and Mandibular Tori Observed in Patient With Chronic Phenytoin Therapy: A Case Report. Journal of Periodontology, 1999, 70, 445-448.	1.7	15
118	Inhibition of Osteoblastic Cell Differentiation by Lipopolysaccharide Extract from <i>Porphyromonas gingivalis</i> . Infection and Immunity, 1999, 67, 2841-2846.	1.0	93
119	Calprotectin, a leukocyte protein related to inflammation, in gingival crevicular fluid. Journal of Periodontal Research, 1998, 33, 434-437.	1.4	39
120	Inhibition of osteoblastic cell differentiation by conditioned medium derived from the human prostatic cancer cell line PC-3 in vitro. Journal of Cellular Biochemistry, 1997, 67, 248-256.	1.2	11
121	Characterization of a methyl-accepting chemotaxis protein gene, dmcA, from the oral spirochete Treponema denticola. Infection and Immunity, 1997, 65, 4011-4016.	1.0	36
122	Factors Influencing Nifedipineâ€Induced Gingival Overgrowth in Rats. Journal of Periodontology, 1995, 66, 345-350.	1.7	50
123	Purification of a fibrolast-inhibitory factor from Actinobacillus actinomycetemcomitans Y4. FEMS Microbiology Letters, 1993, 107, 111-114.	0.7	11
124	Purification of a fibrolast-inhibitory factor from Actinobacillus actinomycetemcomitans Y4. , 0, .		1