

Seung Yong Hwang

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

865
citations

567281

15
h-index

580821

25
g-index

82
all docs

82
docs citations

82
times ranked

1241
citing authors

#	ARTICLE	IF	CITATIONS
1	Sample management: a primary critical starting point for successful omics studies. <i>Molecular and Cellular Toxicology</i> , 2022, 18, 141-148.	1.7	3
2	Simultaneous detection of SARS-CoV-2 and identification of spike D614G mutation using point-of-care real-time polymerase chain reaction. <i>Journal of Virological Methods</i> , 2022, 304, 114513.	2.1	1
3	Analysis of multi-omics data on the relationship between epigenetic changes and nervous system disorders caused by exposure to environmentally harmful substances. <i>Environmental Toxicology</i> , 2022, 37, 802-813.	4.0	5
4	Integrated analysis of multi-omics data on epigenetic changes caused by combined exposure to environmental hazards. <i>Environmental Toxicology</i> , 2021, 36, 1001-1010.	4.0	13
5	Understanding Confounding Effects of Blood Handling Strategies on RNA Quality and Transcriptomic Alteration Using RNA Sequencing. <i>Biochip Journal</i> , 2021, 15, 187.	4.9	5
6	Prenatal Exposure to Heavy Metals Affects Gestational Age by Altering DNA Methylation Patterns. <i>Nanomaterials</i> , 2021, 11, 2871.	4.1	5
7	POCT Detection of 14 Respiratory Viruses Using Multiplex RT-PCR. <i>Biochip Journal</i> , 2021, 15, 371-380.	4.9	17
8	Transcriptome dynamics of alternative splicing events revealed early phase of apoptosis induced by methylparaben in H1299 human lung carcinoma cells. <i>Archives of Toxicology</i> , 2020, 94, 127-140.	4.2	5
9	Methylation quantitative trait loci analysis in Korean exposome study. <i>Molecular and Cellular Toxicology</i> , 2020, 16, 175-183.	1.7	12
10	Rapid Subtyping and Pathotyping of Avian Influenza Virus using Chip-based RT-PCR. <i>Biochip Journal</i> , 2019, 13, 333-340.	4.9	6
11	Multi-omics approaches for understanding environmental exposure and human health. <i>Molecular and Cellular Toxicology</i> , 2019, 15, 1-7.	1.7	29
12	First Korean case of factor V Leiden mutation in pregnant woman with a history of recurrent pregnancy loss. <i>Journal of Genetic Medicine</i> , 2019, 16, 23-26.	0.2	0
13	A new approach of digital PCR system for non-invasive prenatal screening of trisomy 21. <i>Clinica Chimica Acta</i> , 2018, 476, 75-80.	1.1	15
14	Genomic Susceptibility Analysis for Atopy Disease Using Cord Blood DNA in a Small Cohort. <i>Biochip Journal</i> , 2018, 12, 304-308.	4.9	1
15	Differentiation of <i>Scomber japonicus</i> from <i>Scomber scombrus</i> by using a single locked nucleic acid probe. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2017, 28, 379-382.	0.7	2
16	Microfluidic biochips for simple impedimetric detection of thrombin based on label-free DNA aptamers. <i>Biochip Journal</i> , 2017, 11, 109-115.	4.9	17
17	Identification of squid species by melting temperature shifts on fluorescence melting curve analysis (FMCA) using single dual-labeled probe. <i>Proceedings of SPIE</i> , 2017, . .	0.8	0
18	Customized multiplexing SNP panel for Korean-specific DNA phenotyping in forensic applications. <i>Genes and Genomics</i> , 2017, 39, 723-732.	1.4	2

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19	Application of the emerging technologies in toxicogenomics: An overview. <i>Biochip Journal</i> , 2016, 10, 288-296.	4.9	9
20	High specific genotyping method using short target probe and helper probe. <i>Molecular and Cellular Probes</i> , 2016, 30, 273-276.	2.1	1
21	Environmental risk assessment of toxicity exposure: High-throughput expression profiling. <i>Biochip Journal</i> , 2016, 10, 74-80.	4.9	10
22	Identification of potential biomarkers for xylene exposure by microarray analyses of gene expression and methylation. <i>Molecular and Cellular Toxicology</i> , 2016, 12, 15-20.	1.7	5
23	Identification of time-dependent biomarkers and effects of exposure to volatile organic compounds using high-throughput analysis. <i>Environmental Toxicology</i> , 2016, 31, 1563-1570.	4.0	9
24	Genetic heterogeneity of actionable genes between primary and metastatic tumor in lung adenocarcinoma. <i>BMC Cancer</i> , 2016, 16, 27.	2.6	30
25	Association analysis of toluene exposure time with high-throughput mRNA expressions and methylation patterns using in vivo samples. <i>Environmental Research</i> , 2016, 146, 59-64.	7.5	12
26	Probe-Based Fluorescence Melting Curve Analysis for Differentiating <i>Larimichthys polyactis</i> and <i>Larimichthys crocea</i> . <i>Food Analytical Methods</i> , 2016, 9, 2036-2041.	2.6	8
27	Genotyping of velvet antlers for identification of country of origin using mitochondrial DNA and fluorescence melting curve analysis with locked nucleic acid probes. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 2641-2644.	0.7	5
28	Integrative analyses of differential gene expression and DNA methylation of ethylbenzene-exposed workers. <i>Biochip Journal</i> , 2015, 9, 259-267.	4.9	7
29	Application of fluorescence melting curve analysis for dual DNA detection using single peptide nucleic acid probe. <i>Biotechnology Progress</i> , 2015, 31, 730-735.	2.6	7
30	New application methods for chromosomal abnormalities screening test using digital PCR. <i>Biochip Journal</i> , 2015, 9, 339-352.	4.9	3
31	Characterization of human short tandem repeats (STRs) for individual identification using the Ion Torrent. <i>Biochip Journal</i> , 2015, 9, 164-172.	4.9	3
32	Fluorescence melting curve analysis using self-quenching dual-labeled peptide nucleic acid probes for simultaneously identifying multiple DNA sequences. <i>Analytical Biochemistry</i> , 2015, 484, 143-147.	2.4	12
33	Epigenetic Regulation of miR-22 in a BPA-exposed Human Hepatoma Cell. <i>Biochip Journal</i> , 2015, 9, 76-84.	4.9	11
34	Microfluidic multiplex biochip based on a point-of-care electrochemical detection system for matrix metalloproteinases. <i>Journal of Electroanalytical Chemistry</i> , 2015, 756, 118-123.	3.8	16
35	Multiplex genotyping based on the melting temperature of a single locked nucleic acid probe. <i>Analytical Biochemistry</i> , 2015, 491, 72-74.	2.4	2
36	Proteomic analysis of pancreas in miniature pigs according to developmental stages using two-dimensional electrophoresis and matrix-assisted laser desorption/ionization-time of flight mass spectrometry. <i>Laboratory Animal Research</i> , 2014, 30, 1.	2.5	3

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37	Functional analysis of endocrine disruptor pesticides affected transcriptome and microRNA regulation in human hepatoma cell line. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 393-400.	1.7	6
38	Development of DNA microarray for species identification of eels (<i>Anguilliformes</i> and <i>Myxiniformes</i>) in Korean fisheries markets. <i>Biochip Journal</i> , 2014, 8, 310-316.	4.9	3
39	Development of rheumatoid arthritis specific HLA-DRB1 genotyping microarray. <i>Biochip Journal</i> , 2014, 8, 187-198.	4.9	1
40	Rapid hemagglutinin subtyping of novel avian-origin influenza A(H7N9) virus using a diagnostic microarray. <i>Biochip Journal</i> , 2014, 8, 55-59.	4.9	4
41	Development of molecular detection kit for <i>Larimichthys crocea</i> and <i>Larimichthys polyactis</i> . <i>Biochip Journal</i> , 2014, 8, 148-153.	4.9	5
42	Toxicology study with microRNA. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 127-134.	1.7	23
43	Development of a DNA chip to identify the place of origin of hairtail species. <i>Biochip Journal</i> , 2013, 7, 136-142.	4.9	8
44	Identification of genetic/epigenetic biomarkers for supporting decision of VOCs exposure. <i>Biochip Journal</i> , 2013, 7, 1-5.	4.9	11
45	Analysis of microRNA and gene expression profiling in triazole fungicide-treated HepG2 cell line. <i>Toxicology</i> , 2013, 303, 94-98.	4.2	9
46	Innate immune response gene expression profiles in specific pathogen-free chickens infected with avian influenza virus subtype H9N2. <i>Biochip Journal</i> , 2013, 7, 393-398.	4.9	9
47	Prediction of VOCs based on functional analysis by decision supporting system. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 277-284.	1.7	2
48	Development of a DNA microarray for species identification of quarantine aphids. <i>Pest Management Science</i> , 2013, 69, 1399-1406.	3.4	5
49	Development of Electrochemical Microbiochip for the Biological Diagnosis of <i>Neisseria gonorrhoeae</i> . <i>Analytical Sciences</i> , 2013, 29, 1203-1208.	1.6	3
50	Separation of Progressive Motile Sperm from Mouse Semen Using On-chip Chemotaxis. <i>Analytical Sciences</i> , 2012, 28, 27-32.	1.6	43
51	Development of DNA chip for verification of 25 microalgae collected from southern coastal region in Korea. <i>Biochip Journal</i> , 2012, 6, 325-334.	4.9	4
52	Comparative study between Next Generation Sequencing Technique and identification of microarray for Species Identification within blended food products. <i>Biochip Journal</i> , 2012, 6, 354-361.	4.9	18
53	mRNA-centric semantic modeling for finding molecular signature of trace chemical in human blood. <i>Molecular and Cellular Toxicology</i> , 2012, 8, 35-41.	1.7	4
54	Lipid metabolic effect of Korean red ginseng extract in mice fed on a high-fat diet. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 388-396.	3.5	77

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55	Simultaneous subtyping and pathotyping of the 2010-2011 South Korean HPAI outbreak strain by using a diagnostic microarray. <i>Biochip Journal</i> , 2011, 5, 369-374.	4.9	3
56	Development of DNA chip for jellyfish verification from South Korea. <i>Biochip Journal</i> , 2011, 5, 375-382.	4.9	5
57	Identification of time-dependent biomarkers by EndoTox Array in cells exposed to nonylphenol. <i>Molecular and Cellular Toxicology</i> , 2011, 7, 399-403.	1.7	1
58	Regulation of gene expression in mouse germ cells upon exposure to tetrabutyltin. <i>Toxicology and Environmental Health Sciences</i> , 2011, 3, 179-184.	2.1	1
59	DNA chip for species identification of Korean freshwater fish: A case study. <i>Biochip Journal</i> , 2011, 5, 72-77.	4.9	9
60	Species identification of filefishes (Monacanthidae) using DNA microarray in Korean marketplace. <i>Biochip Journal</i> , 2011, 5, 229-235.	4.9	9
61	Development of simple and rapid HLA-C genotyping method using an oligonucleotide microarray. <i>Biochip Journal</i> , 2011, 5, 255-264.	4.9	1
62	Analysis of toxicity of tetrabutyltin: comparing with EDC chemicals. <i>Molecular and Cellular Toxicology</i> , 2011, 7, 95-101.	1.7	6
63	Impact of miRNA deregulation on mRNA expression profiles in response to environmental toxicant, nonylphenol. <i>Molecular and Cellular Toxicology</i> , 2011, 7, 259-269.	1.7	17
64	miRNA regulation of cytotoxic effects in mouse Sertoli cells exposed to nonylphenol. <i>Reproductive Biology and Endocrinology</i> , 2011, 9, 126.	3.3	45
65	Development of a low-density DNA microarray for diagnosis of target site mutations of pyrethroid and organophosphate resistance mutations in the whitefly <i>Bemisia tabaci</i> . <i>Pest Management Science</i> , 2011, 67, 1541-1548.	3.4	14
66	The study of diethylstilbestrol toxic effect in the mouse sertoli cell line by comparison of miRNA and mRNA expression. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 245-250.	2.1	2
67	A DNA Microarray for Identification of Selected Korean Birds Based on Mitochondrial Cytochrome c Oxidase I Gene Sequences. <i>Molecules and Cells</i> , 2010, 30, 295-302.	2.6	11
68	Differential expression of cell cycle related genes in PAH-exposed human liver cells. <i>Biochip Journal</i> , 2010, 4, 30-34.	4.9	2
69	Genotoxic effects of diethylstilbestrol on mouse Sertoli TM4 cells using gene expression profiling. <i>Biochip Journal</i> , 2010, 4, 49-56.	4.9	3
70	A relationship between miRNA and gene expression in the mouse Sertoli cell line after exposure to bisphenol A. <i>Biochip Journal</i> , 2010, 4, 75-81.	4.9	28
71	An oligonucleotide microarray to detect pathogens causing a sexually transmitted disease. <i>Biochip Journal</i> , 2010, 4, 105-109.	4.9	2
72	Array2KEGG: Web-based tool of KEGG pathway analysis for gene expression profile. <i>Biochip Journal</i> , 2010, 4, 134-140.	4.9	4

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73	A DNA microarray for species identification of cetacean animals in Korean water. <i>Biochip Journal</i> , 2010, 4, 197-203.	4.9	12
74	Array2GO: a simple web-based tool to search gene ontology for analysis of multi genes expression. <i>Biochip Journal</i> , 2010, 4, 329-335.	4.9	2
75	Gene expression profiling of HepG2 cells treated with endocrine disrupting chemicals using the HazChem human array V3. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 57-63.	1.7	10
76	Genomic comparison of insecticides and herbicide in human hepatoma (HepG2) cell line. <i>Molecular and Cellular Toxicology</i> , 2010, 6, 378-383.	1.7	5
77	A novel microfluidic biosensor based on an electrical detection system for alpha-fetoprotein. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1319-1325.	10.1	58
78	Microchip-based multiplex electrochemical immunosensing system for the detection of cancer biomarkers. <i>Electrophoresis</i> , 2008, 29, 3466-3476.	2.4	62
79	Gene Expression Analysis of Peroxisome Proliferators- and Phenytoin-Induced Hepatotoxicity Using cDNA Microarray. <i>Journal of Veterinary Medical Science</i> , 2004, 66, 1329-1333.	0.9	25
80	Covalent linkage of IL-12 and ovalbumin confines the effects of IL-12 to ovalbumin-specific immune responses. <i>Archives of Pharmacal Research</i> , 1997, 20, 396-403.	6.3	2