

Wonhee Jang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8363987/publications.pdf>

Version: 2024-02-01

51
papers

1,337
citations

393982

19
h-index

360668

35
g-index

51
all docs

51
docs citations

51
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	The Development of Genipin-Crosslinked Poly(caprolactone) (PCL)/Gelatin Nanofibers for Tissue Engineering Applications. <i>Macromolecular Bioscience</i> , 2010, 10, 91-100.	2.1	153
2	Mussel-Inspired Immobilization of Vascular Endothelial Growth Factor (VEGF) for Enhanced Endothelialization of Vascular Grafts. <i>Biomacromolecules</i> , 2012, 13, 2020-2028.	2.6	142
3	Electromagnetized gold nanoparticles mediate direct lineage reprogramming into induced dopamine neurons in vivo for Parkinson's disease therapy. <i>Nature Nanotechnology</i> , 2017, 12, 1006-1014.	15.6	113
4	A Precise Group Size in Dictyostelium Is Generated by a Cell-Counting Factor Modulating Cell-Cell Adhesion. <i>Molecular Cell</i> , 2000, 6, 953-959.	4.5	78
5	High NADPH/NADP+ ratio improves thymidine production by a metabolically engineered Escherichia coli strain. <i>Journal of Biotechnology</i> , 2010, 149, 24-32.	1.9	69
6	Chemical biology-based approaches on fluorescent labeling of proteins in live cells. <i>Molecular BioSystems</i> , 2013, 9, 862.	2.9	62
7	Application of biosensors in smart packaging. <i>Molecular and Cellular Toxicology</i> , 2015, 11, 277-285.	0.8	61
8	Galectin-3 supports stemness in ovarian cancer stem cells by activation of the Notch1 intracellular domain. <i>Oncotarget</i> , 2016, 7, 68229-68241.	0.8	59
9	A cell number-counting factor regulates the cytoskeleton and cell motility in Dictyostelium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1371-1376.	3.3	46
10	Cell density sensing and size determination. <i>Development Growth and Differentiation</i> , 2011, 53, 482-494.	0.6	46
11	CF45-1, a Secreted Protein Which Participates in Dictyostelium Group Size Regulation. <i>Eukaryotic Cell</i> , 2003, 2, 788-797.	3.4	32
12	Characterization and Optimization of the Fluorescence of Nanoscale Iron Oxide/Quantum Dot Complexes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14606-14616.	1.5	25
13	Extremely low frequency electromagnetic fields enhance neuronal differentiation of human mesenchymal stem cells on graphene-based substrates. <i>Current Applied Physics</i> , 2015, 15, S95-S102.	1.1	24
14	<i>Methylobacterium terricola</i> sp. nov., a gamma radiation-resistant bacterium isolated from gamma ray-irradiated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 2449-2456.	0.8	24
15	<i>Adhaeribacter rhizoryzae</i> sp. nov., a fibrillar matrix-producing bacterium isolated from the rhizosphere of rice plant. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5382-5388.	0.8	23
16	Thymidine production by overexpressing NAD+ kinase in an Escherichia coli recombinant strain. <i>Biotechnology Letters</i> , 2009, 31, 1929-1936.	1.1	22
17	Combining experiments and modelling to understand size regulation in <i>Dictyostelium discoideum</i> . <i>Journal of the Royal Society Interface</i> , 2008, 5, S49-58.	1.5	21
18	Initial Cell Type Choice in Dictyostelium. <i>Eukaryotic Cell</i> , 2011, 10, 150-155.	3.4	21

#	ARTICLE	IF	CITATIONS
19	Modelling APOE ϵ 3/4 allele-associated sporadic Alzheimer's disease in an induced neuron. <i>Brain</i> , 2017, 140, 2193-2209.	3.7	21
20	Neuronal differentiation of human mesenchymal stem cells in response to the domain size of graphene substrates. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 43-51.	2.1	21
21	A Secreted Cell Number Counting Factor Represses Intracellular Glucose Levels to Regulate Group Size in <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 39202-39208.	1.6	20
22	Disruption of Aldehyde Reductase Increases Group Size in <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 837-847.	1.6	18
23	<i>Nocardioides donggukensis</i> sp. nov. and <i>Hyunsoonleella aquatilis</i> sp. nov., isolated from Jeongbang Waterfall on Jeju Island. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	0.8	18
24	Meta-analysis of microarray and RNA-Seq gene expression datasets for carcinogenic risk: An assessment of Bisphenol A. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 239-249.	0.8	15
25	Identification of <i>Mucilaginibacter conchicola</i> sp. nov., <i>Mucilaginibacter achroorhodeus</i> sp. nov. and <i>Mucilaginibacter pallidiroseus</i> sp. nov. and emended description of the genus <i>Mucilaginibacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2022, 72, .	0.8	15
26	Exposure of Cells to a Cell Number-Counting Factor Decreases the Activity of Glucose-6-Phosphatase To Decrease Intracellular Glucose Levels in <i>Dictyostelium discoideum</i> . <i>Eukaryotic Cell</i> , 2005, 4, 72-81.	3.4	14
27	Antibacterial and Anti-Inflammatory Effects of Novel Peptide Toxin from the Spider <i>Pardosa astrigera</i> . <i>Antibiotics</i> , 2020, 9, 422.	1.5	14
28	Fermentative Production of Thymidine by a Metabolically Engineered <i>Escherichia coli</i> Strain. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2423-2432.	1.4	12
29	Biomedical applications and safety issues of gold nanoparticles. <i>Toxicology and Environmental Health Sciences</i> , 2012, 4, 1-8.	1.1	12
30	Integrative transcriptome-wide analysis of atopic dermatitis for drug repositioning. <i>Communications Biology</i> , 2022, 5, .	2.0	12
31	Mathematically modelling the effects of counting factor in <i>Dictyostelium discoideum</i> . <i>Mathematical Medicine and Biology</i> , 2006, 23, 45-62.	0.8	11
32	Integrative genomic and transcriptomic analysis of genetic markers in Dupuytren's disease. <i>BMC Medical Genomics</i> , 2019, 12, 98.	0.7	11
33	<i>Flavobacterium baculatum</i> sp. nov., a carotenoid and flexirubin-type pigment producing species isolated from flooded paddy field. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	0.8	11
34	A Protein in Crude Cytosol Regulates Glucose-6-phosphatase Activity in Crude Microsomes to Regulate Group Size in <i>Dictyostelium</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 16377-16383.	1.6	9
35	A Cell Number-Counting Factor Regulates Levels of a Novel Protein, SslA, as Part of a Group Size Regulation Mechanism in <i>Dictyostelium</i> . <i>Eukaryotic Cell</i> , 2007, 6, 1538-1551.	3.4	9
36	Intein-mediated protein engineering for biosensor fabrication. <i>Biochip Journal</i> , 2016, 10, 277-287.	2.5	8

#	ARTICLE	IF	CITATIONS
37	Optimized magnetic bead-based immunoassay for automated detection of protein toxins. <i>Biochip Journal</i> , 2012, 6, 293-298.	2.5	7
38	Meta- and cross-species analyses of insulin resistance based on gene expression datasets in human white adipose tissues. <i>Scientific Reports</i> , 2018, 8, 3747.	1.6	7
39	Inhibitory Effects of Novel SphK2 Inhibitors on Migration of Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 17, 1689-1697.	0.9	7
40	Surface-modified gold nanorods for specific cell targeting. <i>Journal of the Korean Physical Society</i> , 2012, 60, 1700-1707.	0.3	6
41	Meta-analysis of microarray datasets for the risk assessment of coplanar polychlorinated biphenyl 77 (PCB77) on human health. <i>Toxicology and Environmental Health Sciences</i> , 2017, 9, 161-168.	1.1	6
42	Meta-Analysis of Polymyositis and Dermatomyositis Microarray Data Reveals Novel Genetic Biomarkers. <i>Genes</i> , 2019, 10, 864.	1.0	6
43	An Integrative Transcriptomic Analysis of Systemic Juvenile Idiopathic Arthritis for Identifying Potential Genetic Markers and Drug Candidates. <i>International Journal of Molecular Sciences</i> , 2021, 22, 712.	1.8	6
44	A cell number counting factor alters cell metabolism. <i>Communicative and Integrative Biology</i> , 2009, 2, 293-297.	0.6	5
45	Exploring potential biomarker responses to lithium in <i>Daphnia magna</i> from the perspectives of function and signaling networks. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 83-94.	0.8	5
46	Fabrication of Microarrays for the Analysis of Serological Antibody Isotypes against Food Antigens. <i>Sensors</i> , 2019, 19, 3893.	2.1	4
47	N-type Cav channel inhibition by spider venom peptide of <i>Argiope bruennichi</i> . <i>Molecular and Cellular Toxicology</i> , 2021, 17, 59-67.	0.8	3
48	Nano-C60 and hydroxylated C60: Their impacts on the environment. <i>Toxicology and Environmental Health Sciences</i> , 2009, 1, 132-139.	1.1	2
49	Ovarian transcriptome profiles associated with sexual maturation in Pacific abalone (<i>Haliotis discus</i>) Tj ETQq1 1 0.784314 rgBT /Overl 0.5 1		
50	Plasmonic photothermal therapy of thyroid cancer cells with gold nanorods using thermal image monitoring. , 2012, , .		0
51	Integrative toxicogenomic analysis for elucidating molecular interference on DNA integrity and repair system with underlying signaling networks in response to low-level lead acetate in rat liver model. <i>Molecular and Cellular Toxicology</i> , 2017, 13, 179-188.	0.8	0