

Heon-Jin Lee

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

3,680
citations

136950

32
h-index

133252

59
g-index

72
all docs

72
docs citations

72
times ranked

5103
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxytocin: The Great Facilitator of Life. <i>Progress in Neurobiology</i> , 2009, 88, 127-51.	5.7	704
2	Vasopressin: Behavioral roles of an "original" neuropeptide. <i>Progress in Neurobiology</i> , 2008, 84, 1-24.	5.7	406
3	A Conditional Knockout Mouse Line of the Oxytocin Receptor. <i>Endocrinology</i> , 2008, 149, 3256-3263.	2.8	223
4	MicroRNA-124 regulates osteoclast differentiation. <i>Bone</i> , 2013, 56, 383-389.	2.9	141
5	Extracellular RNAs in periodontopathogenic outer membrane vesicles promote TNF α production in human macrophages and cross the blood-brain barrier in mice. <i>FASEB Journal</i> , 2019, 33, 13412-13422.	0.5	138
6	Oxytocin receptor knockout mice display deficits in the expression of autism-related behaviors. <i>Hormones and Behavior</i> , 2012, 61, 436-444.	2.1	120
7	miR-7b, a microRNA up-regulated in the hypothalamus after chronic hyperosmolar stimulation, inhibits Fos translation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15669-15674.	7.1	89
8	Rescue of lethal molybdenum cofactor deficiency by a biosynthetic precursor from <i>Escherichia coli</i> . <i>Human Molecular Genetics</i> , 2004, 13, 1249-1255.	2.9	85
9	Impairments in the Initiation of Maternal Behavior in Oxytocin Receptor Knockout Mice. <i>PLoS ONE</i> , 2014, 9, e98839.	2.5	79
10	Microbe-Host Communication by Small RNAs in Extracellular Vesicles: Vehicles for Transkingdom RNA Transportation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1487.	4.1	76
11	Sox15 Is Required for Skeletal Muscle Regeneration. <i>Molecular and Cellular Biology</i> , 2004, 24, 8428-8436.	2.3	74
12	Analysis of microRNA-size, small RNAs in <i>Streptococcus mutans</i> by deep sequencing. <i>FEMS Microbiology Letters</i> , 2012, 326, 131-136.	1.8	71
13	Normal maternal behavior, but increased pup mortality, in conditional oxytocin receptor knockout females. <i>Behavioral Neuroscience</i> , 2010, 124, 677-685.	1.2	68
14	Bone Marrow Oxytocin Mediates the Anabolic Action of Estrogen on the Skeleton. <i>Journal of Biological Chemistry</i> , 2012, 287, 29159-29167.	3.4	66
15	Molybdenum cofactor-deficient mice resemble the phenotype of human patients. <i>Human Molecular Genetics</i> , 2002, 11, 3309-3317.	2.9	65
16	Tiny RNAs and their voyage via extracellular vesicles: Secretion of bacterial small RNA and eukaryotic microRNA. <i>Experimental Biology and Medicine</i> , 2017, 242, 1475-1481.	2.4	61
17	Activation of c-jun N-terminal kinase/stress-activated protein kinase and the decreased ratio of Bcl-2 to Bax are associated with the auto-oxidized dopamine-induced apoptosis in PC12 cells. <i>Neuroscience Letters</i> , 1998, 256, 37-40.	2.1	60
18	Identification of microRNA-Size, Small RNAs in <i>Escherichia coli</i> . <i>Current Microbiology</i> , 2013, 67, 609-613.	2.2	57

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19	MicroRNA-365 regulates NKX2-1, a key mediator of lung cancer. <i>Cancer Letters</i> , 2013, 335, 487-494.	7.2	51
20	Heightened aggressive behavior in mice with lifelong versus postweaning knockout of the oxytocin receptor. <i>Hormones and Behavior</i> , 2012, 62, 86-92.	2.1	50
21	Delivery of Periodontopathogenic Extracellular Vesicles to Brain Monocytes and Microglial IL-6 Promotion by RNA Cargo. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 596366.	3.5	48
22	Behavioural studies using temporal and spatial inactivation of the oxytocin receptor. <i>Progress in Brain Research</i> , 2008, 170, 73-77.	1.4	44
23	Early growth response protein 1 upregulation and nuclear translocation by 2- β -benzyloxycinnamaldehyde induces prostate cancer cell death. <i>Cancer Letters</i> , 2013, 329, 217-227.	7.2	42
24	Antiapoptotic role of NF- κ B in the auto-oxidized dopamine-induced apoptosis of PC12 cells. <i>Journal of Neurochemistry</i> , 2001, 76, 602-609.	3.9	41
25	Exceptional stories of microRNAs. <i>Experimental Biology and Medicine</i> , 2013, 238, 339-343.	2.4	41
26	EGR1-dependent PTEN upregulation by 2-benzyloxycinnamaldehyde attenuates cell invasion and EMT in colon cancer. <i>Cancer Letters</i> , 2014, 349, 35-44.	7.2	41
27	Incorporation of silver nanoparticles on the surface of orthodontic microimplants to achieve antimicrobial properties. <i>Korean Journal of Orthodontics</i> , 2017, 47, 3.	2.3	39
28	Isolation and Characterization of a microRNA-size Secretable Small RNA in <i>Streptococcus sanguinis</i> . <i>Cell Biochemistry and Biophysics</i> , 2018, 76, 293-301.	1.8	37
29	Sequential Treatment with SDF-1 and BMP-2 Potentiates Bone Formation in Calvarial Defects. <i>Tissue Engineering - Part A</i> , 2015, 21, 2125-2135.	3.1	36
30	MicroRNA profiling in the mouse hypothalamus reveals oxytocin-regulating microRNA. <i>Journal of Neurochemistry</i> , 2013, 126, 331-337.	3.9	34
31	MicroRNAs in human lung cancer. <i>Experimental Biology and Medicine</i> , 2014, 239, 1505-1513.	2.4	34
32	The pathogenesis of molybdenum cofactor deficiency, its delay by maternal clearance, and its expression pattern in microarray analysis. <i>Molecular Genetics and Metabolism</i> , 2005, 85, 12-20.	1.1	33
33	Effect of garlic on bacterial biofilm formation on orthodontic wire. <i>Angle Orthodontist</i> , 2011, 81, 895-900.	2.4	33
34	2-Hydroxycinnamaldehyde inhibits the epithelial-mesenchymal transition in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2013, 137, 697-708.	2.5	32
35	Downregulation of JNK/SAPK Activity Is Associated with the Cross-Resistance to P-Glycoprotein-Unrelated Drugs in Multidrug-Resistant FM3A/M Cells Overexpressing P-Glycoprotein. <i>Experimental Cell Research</i> , 2000, 256, 300-307.	2.6	29
36	Potential Salivary mRNA Biomarkers for Early Detection of Oral Cancer. <i>Journal of Clinical Medicine</i> , 2020, 9, 243.	2.4	29

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37	LRP1-dependent pepsin clearance induced by 2-hydroxycinnamaldehyde attenuates breast cancer cell invasion. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 15-23.	2.8	27
38	Vasopressin stimulates the proliferation and differentiation of red blood cell precursors and improves recovery from anemia. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	26
39	Synergistic inhibition of Streptococcal biofilm by ribose and xylitol. <i>Archives of Oral Biology</i> , 2015, 60, 304-312.	1.8	24
40	Quantification of Subgingival Bacterial Pathogens at Different Stages of Periodontal Diseases. <i>Current Microbiology</i> , 2012, 65, 22-27.	2.2	22
41	Additional stories of microRNAs. <i>Experimental Biology and Medicine</i> , 2014, 239, 1275-1279.	2.4	22
42	2-Benzoyloxycinnamaldehyde-Mediated DJ-1 Upregulation Protects MCF-7 Cells from Mitochondrial Damage. <i>Biological and Pharmaceutical Bulletin</i> , 2012, 35, 895-902.	1.4	21
43	6-Shogaol, an active ingredient of ginger, inhibits osteoclastogenesis and alveolar bone resorption in ligature-induced periodontitis in mice. <i>Journal of Periodontology</i> , 2020, 91, 809-818.	3.4	21
44	Up-Regulation of microRNA* Strands by Their Target Transcripts. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13231-13240.	4.1	19
45	Comparison of gene expression between mandibular and iliac bone-derived cells. <i>Clinical Oral Investigations</i> , 2015, 19, 1223-1233.	3.0	19
46	Regulating Osteogenic Differentiation by Suppression of Exosomal MicroRNAs. <i>Tissue Engineering - Part A</i> , 2019, 25, 1146-1154.	3.1	19
47	Cancer-Associated Fibroblast Subgroups Showing Differential Promoting Effect on HNSCC Progression. <i>Cancers</i> , 2021, 13, 654.	3.7	19
48	Using transgenic mouse models to study oxytocin's role in the facilitation of species propagation. <i>Brain Research</i> , 2010, 1364, 216-224.	2.2	17
49	Bone healing with oxytocin-loaded microporous TCP bone substitute in ectopic bone formation model and critical-sized osseous defect of rat. <i>Journal of Clinical Periodontology</i> , 2014, 41, 181-190.	4.9	16
50	NMDA Receptor in Vasopressin 1b Neurons Is Not Required for Short-Term Social Memory, Object Memory or Aggression. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 218.	2.0	15
51	TRPA1-like channels enhance glycinergic transmission in medullary dorsal horn neurons. <i>Journal of Neurochemistry</i> , 2012, 122, 691-701.	3.9	13
52	Differential antiproliferation effect of 2-benzoyloxycinnamaldehyde in Ras-transformed cells via downregulation of thiol antioxidants. <i>Cancer Science</i> , 2011, 102, 212-218.	3.9	11
53	Inhibition of streptococcal biofilm by hydrogen water. <i>Journal of Dentistry</i> , 2017, 58, 34-39.	4.1	11
54	NAB 2-Expressing Cancer-Associated Fibroblast Promotes HNSCC Progression. <i>Cancers</i> , 2019, 11, 388.	3.7	10

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55	A novel Bruton's tyrosine kinase inhibitor, acalabrutinib, suppresses osteoclast differentiation and <i>Porphyromonas gingivalis</i> lipopolysaccharide-induced alveolar bone resorption. <i>Journal of Periodontology</i> , 2019, 90, 546-554.	3.4	10
56	Oxytocin inhibits head and neck squamous cell carcinoma cell migration by early growth response-1 upregulation. <i>Anti-Cancer Drugs</i> , 2017, 28, 613-622.	1.4	10
57	Impacts of Thresholds of Gray Value for Cone-Beam Computed Tomography 3D Reconstruction on the Accuracy of Image Matching with Optical Scan. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6375.	2.6	8
58	Microbial extracellular RNAs and their roles in human diseases. <i>Experimental Biology and Medicine</i> , 2020, 245, 845-850.	2.4	8
59	Soybean Extracts Facilitate Bacterial Agglutination and Prevent Biofilm Formation on Orthodontic Wire. <i>Journal of Medicinal Food</i> , 2014, 17, 135-141.	1.5	7
60	Differential Angiogenic Potential of 3-Dimension Spheroid of HNSCC Cells in Mouse Xenograft. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8245.	4.1	7
61	Early Growth Response 1-Dependent Downregulation of Matrix Metalloproteinase 9 and Mouse Double Minute 2 Attenuates Head and Neck Squamous Cell Carcinoma Metastasis. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 1869-1881.	1.6	4
62	Inhibition of streptococcal biofilm formation by Aroniaby extracellular RNA degradation. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 1806-1811.	3.5	4
63	Enhanced osteogenic differentiation of mesenchymal stem cells by surface lithium modification in a sandblasted/acid-etched titanium implant. <i>Journal of Biomaterials Applications</i> , 2022, 37, 447-458.	2.4	3
64	NGFI-A Binding Protein 2 Promotes EGF-Dependent HNSCC Cell Invasion. <i>Cancers</i> , 2019, 11, 315.	3.7	2
65	Overexpression of Lin28a Aggravates Psoriasis-Like Phenotype by Regulating the Proliferation and Differentiation of Keratinocytes. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 4299-4312.	3.5	2
66	Up-regulation of Bone Morphogenetic Protein 7 by 2-Hydroxycinnamaldehyde Attenuates HNSCC Cell Invasion. <i>Anticancer Research</i> , 2018, 38, 5747-5757.	1.1	1
67	Commentary on Winzeler et al "Low arginine vasopressin levels in patients with diabetes insipidus are not associated with anaemia". <i>Clinical Endocrinology</i> , 2021, 94, 888-890.	2.4	1
68	miR-7b Promoter Contains Negative Gene Elements. <i>Journal of Life Science</i> , 2011, 21, 1784-1788.	0.2	0
69	Differential expression and sorting of exosomal microRNAs upon activation of the human monocyte-like cell line U937. <i>Biochemical and Biophysical Research Communications</i> , 2022, 610, 147-153.	2.1	0