Jae-hyung Lee

List of Publications by Year
in descending order

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58 papers	2,277 citations	331259 21 h-index	233125 45 g-index
61 all docs	61 docs citations	61 times ranked	4320 citing authors

#	Article	IF	Citations
1	Whole genome and RNA sequencing of oral commensal bacterium Streptococcus anginosus subsp. anginosus with vancomycin tolerance. Journal of Microbiology, 2022, 60, 167-176.	1.3	2
2	Copper arsenite-complexed Fenton-like nanoparticles as oxidative stress-amplifying anticancer agents. Journal of Controlled Release, 2022, 341, 646-660.	4.8	12
3	Genomic and phenotypic comparison of Prevotella intermedia strains possessing different virulence in vivo. Virulence, 2022, 13, 1133-1145.	1.8	5
4	Molecular subgroup of periodontitis revealed by integrated analysis of the microbiome and metabolome in a cross-sectional observational study. Journal of Oral Microbiology, 2021, 13, 1902707.	1.2	15
5	Dysfunction of NMDA receptors in neuronal models of an autism spectrum disorder patient with a DSCAM mutation and in Dscam-knockout mice. Molecular Psychiatry, 2021, 26, 7538-7549.	4.1	9
6	Comparative Transcriptome Analysis of Human Adipose-Derived Stem Cells Undergoing Osteogenesis in 2D and 3D Culture Conditions. International Journal of Molecular Sciences, 2021, 22, 7939.	1.8	6
7	Differential gene expression profiles of human periodontal ligament cells preserved in Hank's balanced salt solution and milk. Dental Traumatology, 2020, 36, 58-68.	0.8	6
8	Alteration in global DNA methylation status following preconditioning injury influences axon growth competence of the sensory neurons. Experimental Neurology, 2020, 326, 113177.	2.0	8
9	RNA editing in cancer impacts mRNA abundance in immune response pathways. Genome Biology, 2020, 21, 268.	3.8	27
10	Autophagy pathway upregulation in a human iPSC-derived neuronal model of Cohen syndrome with VPS13B missense mutations. Molecular Brain, 2020, 13, 69.	1.3	8
11	Connective tissue growth factor (CTGF) regulates the fusion of osteoclast precursors by inhibiting Bcl6 in periodontitis. International Journal of Medical Sciences, 2020, 17, 647-656.	1.1	19
12	Cohen Syndrome Patient iPSC-Derived Neurospheres and Forebrain-Like Glutamatergic Neurons Reveal Reduced Proliferation of Neural Progenitor Cells and Altered Expression of Synapse Genes. Journal of Clinical Medicine, 2020, 9, 1886.	1.0	9
13	Identification of a novel Shank2 transcriptional variant in Shank2 knockout mouse model of autism spectrum disorder. Molecular Brain, 2020, 13, 54.	1.3	8
14	Identification of Potential Oral Microbial Biomarkers for the Diagnosis of Periodontitis. Journal of Clinical Medicine, 2020, 9, 1549.	1.0	23
15	Osteogenic differentiation and inflammatory response of recombinant human bone morphogenetic protein-2 in human maxillary sinus membrane-derived cells. Experimental and Therapeutic Medicine, 2020, 20, 81.	0.8	0
16	Osteogenic differentiation and inflammatory response of recombinant human bone morphogenetic proteinâ€2 in human maxillary sinus membraneâ€derived cells. Experimental and Therapeutic Medicine, 2020, 20, 1-1.	0.8	3
17	Antibacterial effects of sodium tripolyphosphate againstPorphyromonasspecies associated with periodontitis of companion animals. Journal of Veterinary Science, 2019, 20, e33.	0.5	8
18	Spatial Learning and Motor Deficits in Vacuolar Protein Sorting-associated Protein 13b (Vps13b) Mutant Mouse. Experimental Neurobiology, 2019, 28, 485-494.	0.7	9

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19	Remote Memory and Cortical Synaptic Plasticity Require Neuronal CCCTC-Binding Factor (CTCF). Journal of Neuroscience, 2018, 38, 5042-5052.	1.7	39
20	Differential Expression Profiling of Long Noncoding RNA and mRNA during Osteoblast Differentiation in Mouse. International Journal of Genomics, 2018, 2018, 1-13.	0.8	6
21	Analysis of bacterial community profiles of endodontically infected primary teeth using pyrosequencing. International Journal of Paediatric Dentistry, 2017, 27, 56-65.	1.0	10
22	Human Dental Pulp Stem Cells are more Effective than Human Bone Marrow-Derived Mesenchymal Stem Cells in Cerebral Ischemic Injury. Cell Transplantation, 2017, 26, 1001-1016.	1.2	85
23	Gene expression profile altered by orthodontic tooth movement during healing of surgical alveolar defect. American Journal of Orthodontics and Dentofacial Orthopedics, 2017, 151, 1107-1115.	0.8	5
24	PKCÎ±-mediated phosphorylation of LSD1 is required for presynaptic plasticity and hippocampal learning and memory. Scientific Reports, 2017, 7, 4912.	1.6	22
25	Engineering three dimensional micro nerve tissue using postnatal stem cells from human dental apical papilla. Biotechnology and Bioengineering, 2017, 114, 903-914.	1.7	25
26	Enhancing inhibitory synaptic function reverses spatial memory deficits in Shank2 mutant mice. Neuropharmacology, 2017, 112, 104-112.	2.0	56
27	Genome sequence of Prevotella intermedia SUNY aB G8-9K-3, a biofilm forming strain with drug-resistance. Brazilian Journal of Microbiology, 2017, 48, 5-6.	0.8	2
28	Probing the diversity of healthy oral microbiome with bioinformatics approaches. BMB Reports, 2016, 49, 662-670.	1.1	39
29	Everolimus improves neuropsychiatric symptoms in a patient with tuberous sclerosis carrying a novel TSC2 mutation. Molecular Brain, 2016, 9, 56.	1.3	29
30	Systems Nutrigenomics Reveals Brain Gene Networks Linking Metabolic and Brain Disorders. EBioMedicine, 2016, 7, 157-166.	2.7	59
31	Transcriptome sequencing of gingival biopsies from chronic periodontitis patients reveals novel gene expression and splicing patterns. Human Genomics, 2016, 10, 28.	1.4	38
32	Global analyses of endonucleolytic cleavage in mammals reveal expanded repertoires of cleavage-inducing small RNAs and their targets. Nucleic Acids Research, 2016, 44, 3253-3263.	6.5	8
33	Research Resource: Hormones, Genes, and Athleticism: Effect of Androgens on the Avian Muscular Transcriptome. Molecular Endocrinology, 2016, 30, 254-271.	3.7	37
34	Gene Profiling of Bone around Orthodontic Mini-Implants by RNA-Sequencing Analysis. BioMed Research International, 2015, 2015, 1-14.	0.9	8
35	Genomic analysis of ADAR1 binding and its involvement in multiple RNA processing pathways. Nature Communications, 2015, 6, 6355.	5.8	127
36	ESRP2 controls an adult splicing programme in hepatocytes to support postnatal liver maturation. Nature Communications, 2015, 6, 8768.	5.8	83

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37	Mesenchymal signaling in dorsoventral differentiation of palatal epithelium. Cell and Tissue Research, 2015, 362, 541-556.	1.5	7
38	RBFox1-mediated RNA splicing regulates cardiac hypertrophy and heart failure. Journal of Clinical Investigation, 2015, 126, 195-206.	3.9	114
39	Cell type-restricted activity of hnRNPM promotes breast cancer metastasis via regulating alternative splicing. Genes and Development, 2014, 28, 1191-1203.	2.7	193
40	Microarray analysis of the transcriptional responses of Porphyromonas gingivalis to polyphosphate. BMC Microbiology, 2014, 14, 218.	1.3	11
41	Gene-Based Rare Allele Analysis Identified a Risk Gene of Alzheimerâ€™s Disease. PLoS ONE, 2014, 9, e107983.	1.1	11
42	Analysis and design of RNA sequencing experiments for identifying RNA editing and other single-nucleotide variants. Rna, 2013, 19, 725-732.	1.6	60
43	Abstract 235: Global RNA Splicing and Regulation in Cardiac Maturation and Diseases. Circulation Research, 2013, 113, .	2.0	0
44	Identification of allele-specific alternative mRNA processing via transcriptome sequencing. Nucleic Acids Research, 2012, 40, e104-e104.	6.5	74
45	Accurate identification of A-to-I RNA editing in human by transcriptome sequencing. Genome Research, 2012, 22, 142-150.	2.4	297
46	Identification of Vascular and Hematopoietic Genes Downstream of etsrp by Deep Sequencing in Zebrafish. PLoS ONE, 2012, 7, e31658.	1.1	26
47	Analysis of Transcriptome Complexity Through RNA Sequencing in Normal and Failing Murine Hearts. Circulation Research, 2011, 109, 1332-1341.	2.0	194
48	Systems analysis of alternative splicing and its regulation. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 550-565.	6.6	14
49	Structural Model of the Rev Regulatory Protein from Equine Infectious Anemia Virus. PLoS ONE, 2009, 4, e4178.	1.1	5
50	Analysis of the EIAV Rev-Responsive Element (RRE) Reveals a Conserved RNA Motif Required for High Affinity Rev Binding in Both HIV-1 and EIAV. PLoS ONE, 2008, 3, e2272.	1.1	15
51	Striking similarities in diverse telomerase proteins revealed by combining structure prediction and machine learning approaches. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2008, , 501-12.	0.7	3
52	RNABindR: a server for analyzing and predicting RNA-binding sites in proteins. Nucleic Acids Research, 2007, 35, W578-W584.	6.5	177
53	STRIKING SIMILARITIES IN DIVERSE TELOMERASE PROTEINS REVEALED BY COMBINING STRUCTURE PREDICTION AND MACHINE LEARNING APPROACHES. , 2007, , .		4
54	Prediction of RNA binding sites in proteins from amino acid sequence. Rna, 2006, 12, 1450-1462.	1.6	162

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55	Characterization of Functional Domains of Equine Infectious Anemia Virus Rev Suggests a Bipartite RNA-Binding Domain. Journal of Virology, 2006, 80, 3844-3852.	1.5	24
56	A Single Amino Acid Difference within the Î±-2 Domain of Two Naturally Occurring Equine MHC Class I Molecules Alters the Recognition of Gag and Rev Epitopes by Equine Infectious Anemia Virus-Specific CTL. Journal of Immunology, 2006, 177, 7377-7390.	0.4	15
57	Identifying interaction sites in "recalcitrant" proteins: predicted protein and RNA binding sites in rev proteins of HIV-1 and EIAV agree with experimental data. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2006, , 415-26.	0.7	8
58	IDENTIFYING INTERACTION SITES IN â€œRECALCITRANTâ€•PROTEINS: PREDICTED PROTEIN AND RNA BINDING SITES IN REV PROTEINS OF HIV-1 AND EIAV AGREE WITH EXPERIMENTAL DATA. , 2005, , .		7