

# Sun Shim Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,046  
citations

567281

15  
h-index

434195

31  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introns: The Functional Benefits of Introns in Genomes. <i>Genomics and Informatics</i> , 2015, 13, 112.	0.8	214
2	Enteric Viruses Ameliorate Gut Inflammation via Toll-like Receptor 3 and Toll-like Receptor 7-Mediated Interferon- $\beta$ Production. <i>Immunity</i> , 2016, 44, 889-900.	14.3	170
3	The TLR7 agonist imiquimod induces anti-cancer effects via autophagic cell death and enhances anti-tumoral and systemic immunity during radiotherapy for melanoma. <i>Oncotarget</i> , 2017, 8, 24932-24948.	1.8	73
4	Conservation in first introns is positively associated with the number of exons within genes and the presence of regulatory epigenetic signals. <i>BMC Genomics</i> , 2014, 15, 526.	2.8	66
5	Identification of Distinct Tumor Subpopulations in Lung Adenocarcinoma via Single-Cell RNA-seq. <i>PLoS ONE</i> , 2015, 10, e0135817.	2.5	54
6	Analysis of inpatient heterogeneity uncovers the microevolution of Middle East respiratory syndrome coronavirus. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001214.	1.2	48
7	Analysis of human disease genes in the context of gene essentiality. <i>Genomics</i> , 2008, 92, 414-418.	2.9	42
8	Methylome analysis reveals alterations in DNA methylation in the regulatory regions of left ventricle development genes in human dilated cardiomyopathy. <i>Genomics</i> , 2016, 108, 84-92.	2.9	32
9	Role of miRNA-181a-2-3p in cadmium-induced inflammatory responses of human bronchial epithelial cells. <i>Journal of Thoracic Disease</i> , 2019, 11, 3055-3069.	1.4	32
10	nc886, a non-coding RNA and suppressor of PKR, exerts an oncogenic function in thyroid cancer. <i>Oncotarget</i> , 2016, 7, 75000-75012.	1.8	30
11	The Early Induction of Suppressor of Cytokine Signaling 1 and the Downregulation of Toll-like Receptors 7 and 9 Induce Tolerance in Costimulated Macrophages. <i>Molecules and Cells</i> , 2015, 38, 26-32.	2.6	28
12	Saquinone controls hepatic cholesterol homeostasis by the negative regulation of PCSK9 transcriptional network. <i>Scientific Reports</i> , 2018, 8, 6737.	3.3	26
13	Three Independent Determinants of Protein Evolutionary Rate. <i>Journal of Molecular Evolution</i> , 2013, 76, 98-111.	1.8	23
14	Differential expression of microRNAs and their target genes in non-small-cell lung cancer. <i>Molecular Medicine Reports</i> , 2015, 11, 2034-2040.	2.4	23
15	Analysis of changes in microbiome compositions related to the prognosis of colorectal cancer patients based on tissue-derived 16S rRNA sequences. <i>Journal of Translational Medicine</i> , 2021, 19, 485.	4.4	19
16	Soluble siglec-5 is a novel salivary biomarker for primary Sjogren's syndrome. <i>Journal of Autoimmunity</i> , 2019, 100, 114-119.	6.5	17
17	Synonymous Codon Usage Controls Various Molecular Aspects. <i>Genomics and Informatics</i> , 2017, 15, 123-127.	0.8	15
18	Identification of Maturity-Onset Diabetes of the Young Caused by Glucokinase Mutations Detected Using Whole-Exome Sequencing. <i>Endocrinology and Metabolism</i> , 2017, 32, 296.	3.0	14

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19	Generation, Diversity Determination, and Application to Antibody Selection of a Human Na <sup>+</sup> ve Fab Library. <i>Molecules and Cells</i> , 2017, 40, 655-666.	2.6	13
20	Analysis of the Functional Relevance of Epigenetic Chromatin Marks in the First Intron Associated with Specific Gene Expression Patterns. <i>Genome Biology and Evolution</i> , 2019, 11, 786-797.	2.5	13
21	Identification of lung cancer specific differentially methylated regions using genome-wide DNA methylation study. <i>Molecular and Cellular Toxicology</i> , 2018, 14, 315-322.	1.7	11
22	Transcription factor Sp1 prevents TRF2 <sup>Δ</sup> BL <sup>Δ</sup> M-induced premature senescence in human diploid fibroblasts. <i>Molecular and Cellular Biochemistry</i> , 2016, 414, 201-208.	3.1	10
23	Lengths of coding and noncoding regions of a gene correlate with gene essentiality and rates of evolution. <i>Genes and Genomics</i> , 2015, 37, 365-374.	1.4	9
24	Gene signatures associated with barrier dysfunction and infection in oral lichen planus identified by analysis of transcriptomic data. <i>PLoS ONE</i> , 2021, 16, e0257356.	2.5	7
25	Adipocyte differentiation between obese and lean conditions depends on changes in miRNA expression. <i>Scientific Reports</i> , 2022, 12, .	3.3	7
26	Positive selection signatures in the TLR7 family. <i>Genes and Genomics</i> , 2010, 32, 143-150.	1.4	6
27	Putative positive role of inflammatory genes in fat deposition supported by altered gene expression in purified human adipocytes and preadipocytes from lean and obese adipose tissues. <i>Journal of Translational Medicine</i> , 2020, 18, 433.	4.4	5
28	Enrichment of rare alleles within epigenetic chromatin marks in the first intron. <i>Genomics and Informatics</i> , 2019, 17, e9.	0.8	5
29	Data of methylome and transcriptome derived from human dilated cardiomyopathy. <i>Data in Brief</i> , 2016, 9, 382-387.	1.0	4
30	Functional relevance of synonymous alleles reflected in allele rareness in the population. <i>Genomics</i> , 2018, 110, 347-354.	2.9	4
31	Regulation of JAM2 Expression in the Lungs of Streptozotocin-Induced Diabetic Mice and Human Pluripotent Stem Cell-Derived Alveolar Organoids. <i>Biomedicines</i> , 2020, 8, 346.	3.2	4
32	Identification and Functional Characterization of Two Noncoding RNAs Transcribed from Putative Active Enhancers in Hepatocellular Carcinoma. <i>Molecules and Cells</i> , 2021, 44, 658-669.	2.6	4
33	Identification of Novel Functional Variants of SIN3A and SRSF1 among Somatic Variants in Acute Myeloid Leukemia Patients. <i>Molecules and Cells</i> , 2018, 41, 465-475.	2.6	4
34	The frequency of neural stem cells in in vitro culture systems: insights from simple modeling. <i>Genes and Genomics</i> , 2010, 32, 225-231.	1.4	3
35	Investigation of the putative role of antisense transcripts as regulators of sense transcripts by correlation analysis of sense-antisense pairs in colorectal cancers. <i>FASEB Journal</i> , 2021, 35, e21482.	0.5	3
36	A genome-wide association study of quantitative computed tomographic emphysema in Korean populations. <i>Scientific Reports</i> , 2021, 11, 16692.	3.3	2

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37	Identification of Putative Regulatory Alterations Leading to Changes in Gene Expression in Chronic Obstructive Pulmonary Disease. <i>Molecules and Cells</i> , 2019, 42, 333-344.	2.6	2
38	Analysis of putative miRNA function using a novel approach, GAPPS-miRTarGE. <i>Genes and Genomics</i> , 2012, 34, 205-216.	1.4	0