

Junho K Hur

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

1,444
citations

16
h-index

38
g-index

46
ext. papers

1,877
ext. citations

10.6
avg, IF

4.68
L-index

#	Paper	IF	Citations
40	Highly specific chimeric DNA-RNA-guided genome editing with enhanced CRISPR-Cas12a system.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 28, 353-362	10.7	0
39	Subcellular progression of mesenchymal transition identified by two discrete synchronous cell lines derived from the same glioblastoma.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 181	10.3	
38	Expansion of the prime editing modality with Cas9 from <i>Francisella novicida</i> .. <i>Genome Biology</i> , 2022 , 23, 92	18.3	2
37	AI-Egen-based nanoprobe for the ATP sensing and imaging in cancer cells and embryonic stem cells. <i>Analytica Chimica Acta</i> , 2021 , 1152, 338269	6.6	9
36	A novel therapeutic modality using CRISPR-engineered dendritic cells to treat allergies. <i>Biomaterials</i> , 2021 , 273, 120798	15.6	1
35	Development of CRISPR technology for precise single-base genome editing: a brief review. <i>BMB Reports</i> , 2021 , 54, 98-105	5.5	4
34	CREVIS-Seq: A highly accurate and multiplexable method for genome-wide mapping of lentiviral integration sites. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021 , 20, 792-800	6.4	2
33	Membrane-Targeting Triphenylphosphonium Functionalized Ciprofloxacin for Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Antibiotics</i> , 2020 , 9,	4.9	4
32	Penta-fluorophenol: a Smiles rearrangement-inspired cysteine-selective fluorescent probe for imaging of human glioblastoma. <i>Chemical Science</i> , 2020 , 11, 5658-5668	9.4	18
31	CNN-Peaks: ChIP-Seq peak detection pipeline using convolutional neural networks that imitate human visual inspection. <i>Scientific Reports</i> , 2020 , 10, 7933	4.9	5
30	Ectopic transient overexpression of facilitates BMP4-induced osteogenic transdifferentiation of human umbilical vein endothelial cells. <i>Journal of Tissue Engineering</i> , 2020 , 11, 2041731420909208	7.5	6
29	CRISPR-Cpf1 Activation of Endogenous Gene for Osteogenic Differentiation of Umbilical-Cord-Derived Mesenchymal Stem Cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 17, 309-316	6.4	10
28	Articulated Structures of D-A Type Dipolar Dye with AI-Egen: Synthesis, Photophysical Properties, and Applications. <i>Materials</i> , 2020 , 13,	3.5	1
27	CRISPR Diagnosis and Therapeutics with Single Base Pair Precision. <i>Trends in Molecular Medicine</i> , 2020 , 26, 337-350	11.5	16
26	Enhancement of target specificity of CRISPR-Cas12a by using a chimeric DNA-RNA guide. <i>Nucleic Acids Research</i> , 2020 , 48, 8601-8616	20.1	17
25	Prediction-based highly sensitive CRISPR off-target validation using target-specific DNA enrichment. <i>Nature Communications</i> , 2020 , 11, 3596	17.4	16
24	Latent turn-on fluorescent probe for the detection of toxic malononitrile in water and its practical applications. <i>Analytica Chimica Acta</i> , 2020 , 1095, 154-161	6.6	9

23	Lipopeptide-Based Nanosome-Mediated Delivery of Hyperaccurate CRISPR/Cas9 Ribonucleoprotein for Gene Editing. <i>Small</i> , 2019 , 15, e1903172	11	4
22	Characterization of distinct mutation patterns by CRISPR-Cas9 and CRISPR-Cpf1 genome editing systems. <i>Molecular and Cellular Toxicology</i> , 2019 , 15, 383-389	1.6	0
21	Adenine base editors catalyze cytosine conversions in human cells. <i>Nature Biotechnology</i> , 2019 , 37, 1145-1148	11.8	51
20	Advances in diagnostic methods for keloids and biomarker-targeted fluorescent probes. <i>Analyst, The</i> , 2019 , 144, 1866-1875	5	6
19	Recent trends in CRISPR-Cas system: genome, epigenome, and transcriptome editing and CRISPR delivery systems. <i>Genes and Genomics</i> , 2019 , 41, 871-877	2.1	9
18	Comparison of three congruent patient-specific cell types for the modelling of a human genetic Schwann-cell disorder. <i>Nature Biomedical Engineering</i> , 2019 , 3, 571-582	19	9
17	Systematic Degradation Rate Analysis of Surface-Functionalized Porous Silicon Nanoparticles. <i>Materials</i> , 2019 , 12,	3.5	7
16	CCN5 Reduces Ligamentum Flavum Hypertrophy by Modulating the TGF- β Pathway. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2634-2644	3.8	10
15	Specificity Assessment of CRISPR Genome Editing of Oncogenic EGFR Point Mutation with Single-Base Differences. <i>Molecules</i> , 2019 , 25,	4.8	3
14	Very high high-density lipoprotein cholesterol is associated with increased all-cause mortality in South Koreans. <i>Atherosclerosis</i> , 2019 , 283, 43-51	3.1	25
13	CRISPR and Target-Specific DNA Endonucleases for Efficient DNA Knock-in in Eukaryotic Genomes. <i>Molecules and Cells</i> , 2018 , 41, 943-952	3.5	16
12	Myofibroblast in the ligamentum flavum hypertrophic activity. <i>European Spine Journal</i> , 2017 , 26, 2021-2030	20.3	20
11	CRISPR-based genome editing of clinically important Escherichia coli SE15 isolated from indwelling urinary catheters of patients. <i>Journal of Medical Microbiology</i> , 2017 , 66, 18-25	3.2	10
10	Targeted mutagenesis in mice by electroporation of Cpf1 ribonucleoproteins. <i>Nature Biotechnology</i> , 2016 , 34, 807-8	44.5	151
9	Genome-wide analysis reveals specificities of Cpf1 endonucleases in human cells. <i>Nature Biotechnology</i> , 2016 , 34, 863-8	44.5	445
8	A novel model of THO/TREX loading onto target RNAs in metazoan gene expression. <i>BMB Reports</i> , 2016 , 49, 355-6	5.5	3
7	Splicing-independent loading of TREX on nascent RNA is required for efficient expression of dual-strand piRNA clusters in Drosophila. <i>Genes and Development</i> , 2016 , 30, 840-55	12.6	46
6	Aub and Ago3 Are Recruited to Nuage through Two Mechanisms to Form a Ping-Pong Complex Assembled by Krimper. <i>Molecular Cell</i> , 2015 , 59, 564-75	17.6	64

5	Prokaryotic Argonautes defend genomes against invasive DNA. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 257-9	10.3	21
4	Piwi induces piRNA-guided transcriptional silencing and establishment of a repressive chromatin state. <i>Genes and Development</i> , 2013 , 27, 390-9	12.6	329
3	Regulation of Argonaute slicer activity by guide RNA 3'end interactions with the N-terminal lobe. <i>Journal of Biological Chemistry</i> , 2013 , 288, 7829-7840	5.4	21
2	Radiological significance of ligamentum flavum hypertrophy in the occurrence of redundant nerve roots of central lumbar spinal stenosis. <i>Journal of Korean Neurosurgical Society</i> , 2012 , 52, 215-20	2.3	17
1	Allosteric regulation of Argonaute proteins by miRNAs. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 144-50	17.6	46