

# Junguk Hur

## List of Publications by Citations

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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.

103  
papers

3,410  
citations

28  
h-index

57  
g-index

114  
ext. papers

4,232  
ext. citations

5.3  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
103	ER-stress-induced transcriptional regulation increases protein synthesis leading to cell death. <i>Nature Cell Biology</i> , <b>2013</b> , 15, 481-90	23.4	976
102	Stem cell technology for neurodegenerative diseases. <i>Annals of Neurology</i> , <b>2011</b> , 70, 353-61	9.4	174
101	Intraspinal neural stem cell transplantation in amyotrophic lateral sclerosis: phase 1 trial outcomes. <i>Annals of Neurology</i> , <b>2014</b> , 75, 363-73	9.4	155
100	Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. <i>JCI Insight</i> , <b>2016</b> , 1, e86976	9.9	132
99	The identification of gene expression profiles associated with progression of human diabetic neuropathy. <i>Brain</i> , <b>2011</b> , 134, 3222-35	11.2	106
98	Identification of epigenetically altered genes in sporadic amyotrophic lateral sclerosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e52672	3.7	105
97	Diabetic neuropathy: one disease or two?. <i>Current Opinion in Neurology</i> , <b>2012</b> , 25, 536-41	7.1	103
96	Oxidative stress and successful antioxidant treatment in models of RYR1-related myopathy. <i>Brain</i> , <b>2012</b> , 135, 1115-27	11.2	88
95	Predictive Modeling of Postpartum Depression Using Machine Learning Approaches (P18-130-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
94	Transcriptional profiling of diabetic neuropathy in the BKS db/db mouse: a model of type 2 diabetes. <i>Diabetes</i> , <b>2011</b> , 60, 1981-9	0.9	74
93	SciMiner: web-based literature mining tool for target identification and functional enrichment analysis. <i>Bioinformatics</i> , <b>2009</b> , 25, 838-40	7.2	69
92	Abnormal RNA stability in amyotrophic lateral sclerosis. <i>Nature Communications</i> , <b>2018</b> , 9, 2845	17.4	62
91	GLASS: a comprehensive database for experimentally validated GPCR-ligand associations. <i>Bioinformatics</i> , <b>2015</b> , 31, 3035-42	7.2	57
90	A graph-theoretic modeling on GO space for biological interpretation of gene clusters. <i>Bioinformatics</i> , <b>2004</b> , 20, 381-8	7.2	56
89	Expression of microRNAs in human post-mortem amyotrophic lateral sclerosis spinal cords provides insight into disease mechanisms. <i>Molecular and Cellular Neurosciences</i> , <b>2016</b> , 71, 34-45	4.8	54
88	BTBR ob/ob mice as a novel diabetic neuropathy model: Neurological characterization and gene expression analyses. <i>Neurobiology of Disease</i> , <b>2015</b> , 73, 348-55	7.5	50
87	Fluoxetine prevents dystrophic changes in a zebrafish model of Duchenne muscular dystrophy. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4651-62	5.6	48

86	Updates on the web-based VIOLIN vaccine database and analysis system. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D1124-32	20.1	48
85	Early Gestational Weight Gain Rate and Adverse Pregnancy Outcomes in Korean Women. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140376	3.7	42
84	CIDO, a community-based ontology for coronavirus disease knowledge and data integration, sharing, and analysis. <i>Scientific Data</i> , <b>2020</b> , 7, 181	8.2	41
83	The Metabolic Syndrome and Microvascular Complications in a Murine Model of Type 2 Diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 3294-304	0.9	41
82	Central nervous system endoplasmic reticulum stress in a murine model of type 2 diabetes. <i>Diabetologia</i> , <b>2012</b> , 55, 2276-84	10.3	39
81	Comparative RNA-Seq transcriptome analyses reveal distinct metabolic pathways in diabetic nerve and kidney disease. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 2140-2152	5.6	33
80	Transcriptional networks of progressive diabetic peripheral neuropathy in the db/db mouse model of type 2 diabetes: An inflammatory story. <i>Experimental Neurology</i> , <b>2018</b> , 305, 33-43	5.7	32
79	Temporal evolution of the microbiome, immune system and epigenome with disease progression in ALS mice. <i>DMM Disease Models and Mechanisms</i> , <b>2019</b> , 13,	4.1	32
78	The role of oxidative stress in nervous system aging. <i>PLoS ONE</i> , <b>2013</b> , 8, e68011	3.7	31
77	Ontology-based Brucella vaccine literature indexing and systematic analysis of gene-vaccine association network. <i>BMC Immunology</i> , <b>2011</b> , 12, 49	3.7	29
76	Conserved Transcriptional Signatures in Human and Murine Diabetic Peripheral Neuropathy. <i>Scientific Reports</i> , <b>2018</b> , 8, 17678	4.9	29
75	Gender-specific differences in diabetic neuropathy in BTBR ob/ob mice. <i>Journal of Diabetes and Its Complications</i> , <b>2016</b> , 30, 30-7	3.2	26
74	Transcriptional networks of murine diabetic peripheral neuropathy and nephropathy: common and distinct gene expression patterns. <i>Diabetologia</i> , <b>2016</b> , 59, 1297-306	10.3	25
73	Identification of factors associated with sural nerve regeneration and degeneration in diabetic neuropathy. <i>Diabetes Care</i> , <b>2013</b> , 36, 4043-9	14.6	25
72	Transcriptional changes and developmental abnormalities in a zebrafish model of myotonic dystrophy type 1. <i>DMM Disease Models and Mechanisms</i> , <b>2014</b> , 7, 143-55	4.1	24
71	Drug-induced rhabdomyolysis: from systems pharmacology analysis to biochemical flux. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 421-32	4	23
70	Literature-based discovery of diabetes- and ROS-related targets. <i>BMC Medical Genomics</i> , <b>2010</b> , 3, 49	3.7	22
69	Genetic Architecture of Group A Streptococcal Necrotizing Soft Tissue Infections in the Mouse. <i>PLoS Pathogens</i> , <b>2016</b> , 12, e1005732	7.6	21

68	Toll-like receptors and inflammation in metabolic neuropathy; a role in early versus late disease?. <i>Experimental Neurology</i> , <b>2019</b> , 320, 112967	5.7	20
67	Identification of fever and vaccine-associated gene interaction networks using ontology-based literature mining. <i>Journal of Biomedical Semantics</i> , <b>2012</b> , 3, 18	2.2	20
66	Ontological and Bioinformatic Analysis of Anti-Coronavirus Drugs and Their Implication for Drug Repurposing against COVID-19		20
65	Development and application of an interaction network ontology for literature mining of vaccine-associated gene-gene interactions. <i>Journal of Biomedical Semantics</i> , <b>2015</b> , 6, 2	2.2	18
64	Integrated systems pharmacology analysis of clinical drug-induced peripheral neuropathy. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2014</b> , 3, e114	4.5	18
63	Integrated lipidomic and transcriptomic analyses identify altered nerve triglycerides in mouse models of prediabetes and type 2 diabetes. <i>DMM Disease Models and Mechanisms</i> , <b>2020</b> , 13,	4.1	18
62	Pathway crosstalk perturbation network modeling for identification of connectivity changes induced by diabetic neuropathy and pioglitazone. <i>BMC Systems Biology</i> , <b>2019</b> , 13, 1	3.5	17
61	Systems pharmacological analysis of drugs inducing stevens-johnson syndrome and toxic epidermal necrolysis. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 927-34	4	17
60	Pre-Pregnancy Body Mass Index Is Associated with Dietary Inflammatory Index and C-Reactive Protein Concentrations during Pregnancy. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	17
59	Genome-wide DNA methylation profiling of human diabetic peripheral neuropathy in subjects with type 2 diabetes mellitus. <i>Epigenetics</i> , <b>2019</b> , 14, 766-779	5.7	15
58	Acute Biophysical Responses and Psychological Effects of Different Types of Forests in Patients With Metabolic Syndrome. <i>Environment and Behavior</i> , <b>2018</b> , 50, 298-323	5.6	15
57	Ontology-based collection, representation and analysis of drug-associated neuropathy adverse events. <i>Journal of Biomedical Semantics</i> , <b>2016</b> , 7, 29	2.2	15
56	Untargeted metabolomics yields insight into ALS disease mechanisms. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2020</b> , 91, 1329-1338	5.5	15
55	Assessment of the DNA damaging potential of environmental chemicals using a quantitative high-throughput screening approach to measure p53 activation. <i>Environmental and Molecular Mutagenesis</i> , <b>2017</b> , 58, 494-507	3.2	14
54	PubChemSR: a search and retrieval tool for PubChem. <i>Chemistry Central Journal</i> , <b>2008</b> , 2, 11		13
53	Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 123	7.7	13
52	Prediction of Gestational Diabetes Mellitus by Unconjugated Estriol Levels in Maternal Serum. <i>International Journal of Medical Sciences</i> , <b>2017</b> , 14, 123-127	3.7	12
51	Exploration of the Anti-Inflammatory Drug Space Through Network Pharmacology: Applications for Drug Repurposing. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 151	4.6	10

50	Twin weight discordance and maternal weight gain in twin pregnancies. <i>International Journal of Gynecology and Obstetrics</i> , <b>2007</b> , 96, 176-80	4	10
49	Ontological modeling and analysis of experimentally or clinically verified drugs against coronavirus infection. <i>Scientific Data</i> , <b>2021</b> , 8, 16	8.2	10
48	Ontology-based literature mining of E. coli vaccine-associated gene interaction networks. <i>Journal of Biomedical Semantics</i> , <b>2017</b> , 8, 12	2.2	9
47	Trends of self-reported sleep duration in Korean Adults: results from the Korea National Health and Nutrition Examination Survey 2007-2015. <i>Sleep Medicine</i> , <b>2018</b> , 52, 103-106	4.6	9
46	Translational systems pharmacology-based predictive assessment of drug-induced cardiomyopathy. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2018</b> , 7, 166-174	4.5	8
45	Prevalences and Management of Diabetes and Pre-diabetes among Korean Teenagers and Young Adults: Results from the Korea National Health and Nutrition Examination Survey 2005-2014. <i>Journal of Korean Medical Science</i> , <b>2017</b> , 32, 1984-1990	4.7	8
44	Machine Learning-Based Predictive Modeling of Postpartum Depression. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	8
43	Identification of Casiopeina II-gly secondary targets through a systems pharmacology approach. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 78, 127-132	3.6	8
42	Association of Sleep Duration and Obesity According to Gender and Age in Korean Adults: Results from the Korea National Health and Nutrition Examination Survey 2007-2015. <i>Journal of Korean Medical Science</i> , <b>2018</b> , 33, e345	4.7	8
41	Cytoplasmic TDP43 Binds microRNAs: New Disease Targets in Amyotrophic Lateral Sclerosis. <i>Frontiers in Cellular Neuroscience</i> , <b>2020</b> , 14, 117	6.1	7
40	Impairs Host Defense by Increasing the Quorum-Sensing-Mediated Virulence of. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1696	8.4	7
39	Ontology-based literature mining and class effect analysis of adverse drug reactions associated with neuropathy-inducing drugs. <i>Journal of Biomedical Semantics</i> , <b>2018</b> , 9, 17	2.2	6
38	Literature Mining and Ontology based Analysis of Host-Brucella Gene-Gene Interaction Network. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1386	5.7	6
37	Epigenetic Reprogramming Mediated by Maternal Diet Rich in Omega-3 Fatty Acids Protects From Breast Cancer Development in F1 Offspring. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 682593	5.7	6
36	Microbial and genetic-based framework identifies drug targets in inflammatory bowel disease. <i>Theranostics</i> , <b>2021</b> , 11, 7491-7506	12.1	6
35	Network-Based Assessment of Adverse Drug Reaction Risk in Polypharmacy Using High-Throughput Screening Data. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5
34	The Interaction Network Ontology-supported modeling and mining of complex interactions represented with multiple keywords in biomedical literature. <i>BioData Mining</i> , <b>2016</b> , 9, 41	4.3	5
33	Machine learning-based identification and rule-based normalization of adverse drug reactions in drug labels. <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 707	3.6	5

32	Tox21 Enricher: Web-based Chemical/Biological Functional Annotation Analysis Tool Based on Tox21 Toxicity Screening Platform. <i>Molecular Informatics</i> , <b>2018</b> , 37, e1700129	3.8	4
31	Gene expression profiles of diabetic kidney disease and neuropathy in eNOS knockout mice: Predictors of pathology and RAS blockade effects. <i>FASEB Journal</i> , <b>2021</b> , 35, e21467	0.9	4
30	NOX, NOX, Are You Here? The Emerging Role of NOX5 in Diabetic Neuropathy. <i>Diabetes</i> , <b>2018</b> , 67, 30-LB0.9		3
29	A Network Pharmacology Approach for the Identification of Common Mechanisms of Drug-Induced Peripheral Neuropathy. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , <b>2019</b> , 8, 211-219	4.5	3
28	RBMS1 Methylation and mRNA Expression Are Differentially Regulated in Placenta Tissue from Obese Women (P11-131-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	2
27	The impact of methodology on the reproducibility and rigor of DNA methylation data.. <i>Scientific Reports</i> , <b>2022</b> , 12, 380	4.9	2
26	Alpha-Synuclein-induced DNA Methylation and Gene Expression in Microglia. <i>Neuroscience</i> , <b>2021</b> , 468, 186-198	3.9	2
25	Plasma Metabolomics and Lipidomics Differentiate Obese Individuals by Peripheral Neuropathy Status. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> ,	5.6	2
24	A Computational Platform and Guide for Acceleration of Novel Medicines and Personalized Medicine. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1939, 181-198	1.4	1
23	Computational Approaches to Accelerating Novel Medicine and Better Patient Care from Bedside to Benchtop. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2016</b> , 102, 147-79	5.3	1
22	Amelioration of Peripheral Neuropathy in Mouse Models of Diabetes by Dietary Reversal. <i>Diabetes</i> , <b>2018</b> , 67, 569-P	0.9	1
21	Extracellular Vesicles in Serum and Central Nervous System Tissues Contain microRNA Signatures in Sporadic Amyotrophic Lateral Sclerosis. <i>Frontiers in Molecular Neuroscience</i> , <b>2021</b> , 14, 739016	6.1	1
20	Atypical endometriosis is related to a higher recurrence rate. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2020</b> , 254, 44-51	2.4	1
19	Anxiety-like behavior and intestinal microbiota changes as strain-and sex-dependent sequelae of mild food allergy in mouse models of cow's milk allergy. <i>Brain, Behavior, and Immunity</i> , <b>2021</b> , 95, 122-141	16.6	1
18	A 2018 workshop: vaccine and drug ontology studies (VDOS 2018). <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 705	3.6	1
17	Predicting Drug-Induced Liver Injury Using Machine Learning on a Diverse Set of Predictors. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 648805	5.6	1
16	Modulation of Inflammatory Signaling Molecules in Antigen-Challenged Human Monocytes in Presence of Adrenergic Agonists.. <i>Vaccines</i> , <b>2022</b> , 10,	5.3	1
15	Interferon- $\beta$ Promotes monocyte-mediated lung injury during influenza infection.. <i>Cell Reports</i> , <b>2022</b> , 38, 110456	10.6	1

14	Maternal obesity and associated risk of adverse pregnancy outcomes in women with hyperglycemia. <i>Korean Journal of Obstetrics &amp; Gynecology</i> , <b>2011</b> , 54, 591		o
13	Predictability of Macrosomic Birth based on Maternal Factors and Fetal Aneuploidy Screening Biochemical Markers in Hyperglycemic Mothers. <i>International Journal of Medical Sciences</i> , <b>2021</b> , 18, 2653-2660	3.7	o
12	Repurposable drugs for SARS-CoV-2 and influenza sepsis with scRNA-seq data targeting post-transcription modifications.. <i>Precision Clinical Medicine</i> , <b>2021</b> , 4, 215-230	6.7	o
11	SMAP is a pipeline for sample matching in proteogenomics.. <i>Nature Communications</i> , <b>2022</b> , 13, 744	17.4	
10	Systems Approach to Assign Expression Based Signatures to Adrenergic Drugs. <i>FASEB Journal</i> , <b>2018</b> , 32, 690.2	0.9	
9	Two-Way Orthogonal Partial Least Squares (O2PLS) Analysis of the Lipidome and Transcriptome in Prediabetic and Diabetic Neuropathy. <i>Diabetes</i> , <b>2018</b> , 67, 548-P	0.9	
8	Large-Scale DNA Methylation Profiling of Human Diabetic Peripheral Neuropathy in Subjects with Type 2 Diabetes Mellitus. <i>Diabetes</i> , <b>2018</b> , 67, 551-P	0.9	
7	Post-transcriptional processing at the promoter proximal RNA polymerase II pausing. A possible mechanism for premature termination. <i>FASEB Journal</i> , <b>2019</b> , 33, 458.13	0.9	
6	31-LB: Identification of Repurposable Drug Candidate for Diabetic Peripheral Neuropathy Using High-Throughput Drug-Perturbation Data. <i>Diabetes</i> , <b>2019</b> , 68, 31-LB	0.9	
5	2285-PUB: Hippocampal Transcriptomic Changes Due to High-Fat Diet in Prediabetic Mice. <i>Diabetes</i> , <b>2020</b> , 69, 2285-PUB	0.9	
4	537-P: Dietary Reversal Improves Peripheral Neuropathy and Gut Microbiota Profile in a Murine Model of Prediabetes and Obesity. <i>Diabetes</i> , <b>2020</b> , 69, 537-P	0.9	
3	A systems pharmacology approach to model tyrosine kinase inhibitor-induced cardiotoxicity gene interaction networks (844.17). <i>FASEB Journal</i> , <b>2014</b> , 28, 844.17	0.9	
2	Pregnancy outcomes and relationship between maternal weight gain and fetal birth weight in Korean pregnant women at risk for gestational diabetes. <i>Journal of Women S Medicine</i> , <b>2011</b> , 4, 35		
1	Characterization of Prostanoids Response to Bordetella pertussis Antigen BscF and Tdap in LPS-challenged monocytes. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2022</b> , 102452	2.8	