Jae-Yoon Jung

List of Publications by Year
in descending order

46 papers	931 citations	840776 11 h-index	552781 26 g-index
51 all docs	51 docs citations	51 times ranked	1767 citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Digital Therapy for Developmental Pediatrics Using Domain-Specific Artificial Intelligence: Machine Learning Study. JMIR Pediatrics and Parenting, 2022, 5, e26760.	1.6	24
2	Genetic Association of Attention-Deficit/Hyperactivity Disorder and Major Depression With Suicidal Ideation and Attempts in Children: The Adolescent Brain Cognitive Development Study. Biological Psychiatry, 2022, 92, 236-245.	1.3	17
3	Identification of Social Engagement Indicators Associated With Autism Spectrum Disorder Using a Game-Based Mobile App: Comparative Study of Gaze Fixation and Visual Scanning Methods. Journal of Medical Internet Research, 2022, 24, e31830.	4.3	23
4	Causal Modeling to Mitigate Selection Bias and Unmeasured Confounding in Internet-Based Epidemiology of COVID-19: Model Development and Validation. JMIR Public Health and Surveillance, 2022, 8, e31306.	2.6	2
5	Indels in SARS-CoV-2 occur at template-switching hotspots. BioData Mining, 2021, 14, 20.	4.0	26
6	Estimating sequencing error rates using families. BioData Mining, 2021, 14, 27.	4.0	9
7	A maximum flow-based network approach for identification of stable noncoding biomarkers associated with the multigenic neurological condition, autism. BioData Mining, 2021, 14, 28.	4.0	0
8	Genomewide alteration of histone H3K4 methylation underlies genetic vulnerability to psychopathology. Journal of Genetics, 2021, 100, 1.	0.7	6
9	Training Affective Computer Vision Models by Crowdsourcing Soft-Target Labels. Cognitive Computation, 2021, 13, 1363-1373.	5.2	16
10	Cross-Disorder Genomics Data Analysis Elucidates a Shared Genetic Basis Between Major Depression and Osteoarthritis Pain. Frontiers in Genetics, 2021, 12, 687687.	2.3	14
11	Selection of trustworthy crowd workers for telemedical diagnosis of pediatric autism spectrum disorder. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2021, 26, 14-25.	0.7	4
12	A Method for Localizing Non-Reference Sequences to the Human Genome. , 2021, , .		2
13	Game theoretic centrality: a novel approach to prioritize disease candidate genes by combining biological networks with the Shapley value. BMC Bioinformatics, 2020, 21, 356.	2.6	8
14	Selection of trustworthy crowd workers for telemedical diagnosis of pediatric autism spectrum disorder. , 2020, , .		25
15	miR-92a Suppresses Mushroom Body-Dependent Memory Consolidation in Drosophila. ENeuro, 2020, 7, ENEURO.0224-20.2020.	1.9	4
16	Inherited and De Novo Genetic Risk for Autism Impacts Shared Networks. Cell, 2019, 178, 850-866.e26.	28.9	326
17	Coalitional Game Theory Facilitates Identification of Non-Coding Variants Associated With Autism. Biomedical Informatics Insights, 2019, 11, 117822261983285.	4.6	4
18	Coalitional game theory as a promising approach to identify candidate autism genes. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Outgroup Machine Learning Approach Identifies Single Nucleotide Variants in Noncoding DNA Associated with Autism Spectrum Disorder. , 2018, , .		6
20	Analysis of Sex and Recurrence Ratios in Simplex and Multiplex Autism Spectrum Disorder Implicates Sex-Specific Alleles as Inheritance Mechanism. , 2018, , .		8
21	12. Elucidating the Genetic Basis of H3-K4 Methylation in Schizophrenia and Bipolar Disorder. Biological Psychiatry, 2017, 81, S5-S6.	1.3	0
22	Comorbid Analysis of Genes Associated with Autism Spectrum Disorders Reveals Differential Evolutionary Constraints. PLoS ONE, 2016, 11, e0157937.	2.5	24
23	COSMOS: cloud enabled NGS analysis. BMC Bioinformatics, 2015, 16, A2.	2.6	2
24	Scalable and cost-effective NGS genotyping in the cloud. BMC Medical Genomics, 2015, 8, 64.	1.5	19
25	COSMOS: Python library for massively parallel workflows. Bioinformatics, 2014, 30, 2956-2958.	4.1	23
26	A literature search tool for intelligent extraction of disease-associated genes. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 399-405.	4.4	13
27	Genetic Networks of Complex Disorders: from a Novel Search Engine for PubMed Article Database. AMIA Summits on Translational Science Proceedings, 2013, 2013, 99.	0.4	0
28	Cloud Computing for Comparative Genomics with Windows Azure Platform. Evolutionary Bioinformatics, 2012, 8, EBO.S9946.	1.2	9
29	Roundup 2.0: enabling comparative genomics for over 1800 genomes. Bioinformatics, 2012, 28, 715-716.	4.1	38
30	Autworks: a cross-disease network biology application for Autism and related disorders. BMC Medical Genomics, 2012, 5, 56.	1.5	22
31	Use of Artificial Intelligence to Shorten the Behavioral Diagnosis of Autism. PLoS ONE, 2012, 7, e43855.	2.5	145
32	Phylogenetically informed logic relationships improve detection of biological network organization. BMC Bioinformatics, 2011, 12, 476.	2.6	3
33	Detecting biological network organization and functional gene orthologs. Bioinformatics, 2011, 27, 2919-2920.	4.1	2
34	Genotator: A disease-agnostic tool for genetic annotation of disease. BMC Medical Genomics, 2010, 3, 50.	1.5	47
35	Functionally Informative Tag SNP Selection Using a Pareto-Optimal Approach. Advances in Experimental Medicine and Biology, 2010, 680, 173-180.	1.6	4
36	Recombination of common sensory-motor impairment evaluation techniques using a committee of classifiers. , 2009, 2009, 857-60.		3

#	ARTICLE	IF	CITATIONS
37	Evolving an autonomous agent for non-Markovian reinforcement learning. , 2009, , .		1
38	Feature selection and classification for assessment of chronic stroke impairment. , 2008, , .		0
39	Trial map : A visualization approach for verification of stroke impairment assessment database. , 2008, , .		1
40	A hierarchical ensemble model for automated assessment of stroke impairment. , 2008, , .		4
41	Nested evolution of an autonomous agent using descriptive encoding. , 2008, , .		1
42	The Automated Design of Artificial Neural Networks Using Evolutionary Computation. Studies in Computational Intelligence, 2008, , 19-41.	0.9	3
43	Evolutionary Design of Neural Network Architectures Using a Descriptive Encoding Language. IEEE Transactions on Evolutionary Computation, 2006, 10, 676-688.	10.0	25
44	A Neural Network Model for Maximizing Prediction Accuracy in Haplotype Tagging SNP Selection. , 2006, , .		0
45	A Neural Network Model for Maximizing Prediction Accuracy in Haplotype Tagging SNP Selection. , 0, , .		0
46	Improved Digital Therapy for Developmental Pediatrics Using Domain-Specific Artificial Intelligence. SSRN Electronic Journal, 0, , .	0.4	1