

Sunjae Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5472276/publications.pdf>

Version: 2024-02-01

42
papers

6,936
citations

331670

21
h-index

302126

39
g-index

50
all docs

50
docs citations

50
times ranked

14380
citing authors

#	ARTICLE	IF	CITATIONS
1	A pathology atlas of the human cancer transcriptome. <i>Science</i> , 2017, 357, .	12.6	2,570
2	A subcellular map of the human proteome. <i>Science</i> , 2017, 356, .	12.6	2,079
3	An Integrated Understanding of the Rapid Metabolic Benefits of a Carbohydrate-Restricted Diet on Hepatic Steatosis in Humans. <i>Cell Metabolism</i> , 2018, 27, 559-571.e5.	16.2	321
4	MEMOTE for standardized genome-scale metabolic model testing. <i>Nature Biotechnology</i> , 2020, 38, 272-276.	17.5	314
5	The Intestine Harbors Functionally Distinct Homeostatic Tissue-Resident and Inflammatory Th17 Cells. <i>Immunity</i> , 2019, 51, 77-89.e6.	14.3	220
6	Integrative Personal Omics Profiles during Periods of Weight Gain and Loss. <i>Cell Systems</i> , 2018, 6, 157-170.e8.	6.2	183
7	Integrated Network Analysis Reveals an Association between Plasma Mannose Levels and Insulin Resistance. <i>Cell Metabolism</i> , 2016, 24, 172-184.	16.2	133
8	Network analyses identify liver-specific targets for treating liver diseases. <i>Molecular Systems Biology</i> , 2017, 13, 938.	7.2	112
9	Mature Human White Adipocytes Cultured under Membranes Maintain Identity, Function, and Can Transdifferentiate into Brown-like Adipocytes. <i>Cell Reports</i> , 2019, 27, 213-225.e5.	6.4	83
10	Mathematical modeling of translation initiation for the estimation of its efficiency to computationally design mRNA sequences with desired expression levels in prokaryotes. <i>BMC Systems Biology</i> , 2010, 4, 71.	3.0	82
11	Rifaximin reduces gut-derived inflammation and mucin degradation in cirrhosis and encephalopathy: RIFSYS randomised controlled trial. <i>Journal of Hepatology</i> , 2022, 76, 332-342.	3.7	79
12	Compositional and functional differences of the mucosal microbiota along the intestine of healthy individuals. <i>Scientific Reports</i> , 2020, 10, 14977.	3.3	78
13	Systematic analysis of gut microbiome reveals the role of bacterial folate and homocysteine metabolism in Parkinson's disease. <i>Cell Reports</i> , 2021, 34, 108807.	6.4	77
14	Integration of molecular profiles in a longitudinal wellness profiling cohort. <i>Nature Communications</i> , 2020, 11, 4487.	12.8	66
15	Simplified Intestinal Microbiota to Study Microbe-Diet-Host Interactions in a Mouse Model. <i>Cell Reports</i> , 2019, 26, 3772-3783.e6.	6.4	61
16	TCSBN: a database of tissue and cancer specific biological networks. <i>Nucleic Acids Research</i> , 2018, 46, D595-D600.	14.5	55
17	Abundance and diversity of resistomes differ between healthy human oral cavities and gut. <i>Nature Communications</i> , 2020, 11, 693.	12.8	49
18	Characterization of heterogeneous redox responses in hepatocellular carcinoma patients using network analysis. <i>EBioMedicine</i> , 2019, 40, 471-487.	6.1	38

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19	Pyruvate kinase L/R is a regulator of lipid metabolism and mitochondrial function. <i>Metabolic Engineering</i> , 2019, 52, 263-272.	7.0	37
20	Dysregulated signaling hubs of liver lipid metabolism reveal hepatocellular carcinoma pathogenesis. <i>Nucleic Acids Research</i> , 2016, 44, 5529-5539.	14.5	35
21	Improving the economics of NASH/NAFLD treatment through the use of systems biology. <i>Drug Discovery Today</i> , 2017, 22, 1532-1538.	6.4	28
22	Acute kidney injury leading to CKD is associated with a persistence of metabolic dysfunction and hypertriglyceridemia. <i>IScience</i> , 2021, 24, 102046.	4.1	22
23	Aberrant activation of the CD45-Wnt signaling axis promotes stemness and therapy resistance in colorectal cancer cells. <i>Theranostics</i> , 2021, 11, 8755-8770.	10.0	19
24	Predicting unintended effects of drugs based on off-target tissue effects. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 399-404.	2.1	18
25	Rule-based multi-scale simulation for drug effect pathway analysis. <i>BMC Medical Informatics and Decision Making</i> , 2013, 13, S4.	3.0	15
26	Genome-scale metabolic modelling of the human gut microbiome reveals changes in the glyoxylate and dicarboxylate metabolism in metabolic disorders. <i>IScience</i> , 2022, 25, 104513.	4.1	15
27	bZIPDB : A database of regulatory information for human bZIP transcription factors. <i>BMC Genomics</i> , 2007, 8, 136.	2.8	13
28	A Systems Biology Approach to Investigating the Interaction between Serotonin Synthesis by Tryptophan Hydroxylase and the Metabolic Homeostasis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2452.	4.1	12
29	Mitoribosomal defects aggravate liver cancer via aberrant glycolytic flux and T cell exhaustion. , 2022, 10, e004337.		12
30	ESS: A Tool for Genome-Scale Quantification of Essentiality Score for Reaction/Genes in Constraint-Based Modeling. <i>Frontiers in Physiology</i> , 2018, 9, 1355.	2.8	8
31	Investigating the Combinatory Effects of Biological Networks on Gene Co-expression. <i>Frontiers in Physiology</i> , 2016, 7, 160.	2.8	7
32	Systems Biology: A Multi-Omics Integration Approach to Metabolism and the Microbiome. <i>Endocrinology and Metabolism</i> , 2020, 35, 507-514.	3.0	7
33	SRSF6 Regulates the Alternative Splicing of the Apoptotic Fas Gene by Targeting a Novel RNA Sequence. <i>Cancers</i> , 2022, 14, 1990.	3.7	6
34	Synthetic inter-species cooperation of host and virus for targeted genetic evolution. <i>Journal of Biotechnology</i> , 2011, 153, 35-41.	3.8	5
35	NSrp70 is a lymphocyte-essential splicing factor that controls thymocyte development. <i>Nucleic Acids Research</i> , 2021, 49, 5760-5778.	14.5	5
36	Anomalies in Network Bridges Involved in Bile Acid Metabolism Predict Outcomes of Colorectal Cancer Patients. <i>PLoS ONE</i> , 2014, 9, e107925.	2.5	4

#	ARTICLE	IF	CITATIONS
37	Rule-based whole body modeling for analyzing multi-compound effects. , 2012, , .		2
38	Prioritization of SNPs for Genome-Wide Association Studies Using an Interaction Model of Genetic Variation, Gene Expression, and Trait Variation. <i>Molecules and Cells</i> , 2012, 33, 351-362.	2.6	2
39	A Genome-Wide Screen Reveals That Endocytic Genes Are Important for Pma1p Asymmetry during Cell Division in <i>Saccharomyces cerevisiae</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2364.	4.1	2
40	Precise Characterization of Genetic Interactions in Cancer via Molecular Network Refining Processes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11114.	4.1	1
41	Systematic approach for analyzing drug combination by using target-enzyme distance. <i>Interdisciplinary Bio Central</i> , 2013, 5, 1-7.	0.1	0
42	Network Analysis Reveals Heterogeneous Response of Redox Metabolism in Hepatocellular Carcinoma Patients. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0