

Kazim Yalcin Arga

List of Publications by Citations

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Version: 2024-04-26

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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.

85
papers

1,891
citations

23
h-index

41
g-index

101
ext. papers

2,407
ext. citations

4.6
avg, IF

5.43
L-index

#	Paper	IF	Citations
85	A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology. <i>Nature Biotechnology</i> , 2008 , 26, 1155-60	44.5	471
84	The role of protein interaction networks in systems biomedicine. <i>Computational and Structural Biotechnology Journal</i> , 2014 , 11, 22-7	6.8	83
83	Metabolic Biomarkers and Neurodegeneration: A Pathway Enrichment Analysis of Alzheimer's Disease, Parkinson's Disease, and Amyotrophic Lateral Sclerosis. <i>OMICS A Journal of Integrative Biology</i> , 2016 , 20, 645-661	3.8	81
82	Network-based approach to identify molecular signatures and therapeutic agents in Alzheimer's disease. <i>Computational Biology and Chemistry</i> , 2019 , 78, 431-439	3.6	66
81	Effective stimulating factors for microbial levan production by <i>Halomonas smyrnensis</i> AAD6T. <i>Journal of Bioscience and Bioengineering</i> , 2015 , 119, 455-63	3.3	63
80	Potential biomarkers and therapeutic targets in cervical cancer: Insights from the meta-analysis of transcriptomics data within network biomedicine perspective. <i>PLoS ONE</i> , 2018 , 13, e0200717	3.7	58
79	Tissue-Specific Molecular Biomarker Signatures of Type 2 Diabetes: An Integrative Analysis of Transcriptomics and Protein-Protein Interaction Data. <i>OMICS A Journal of Integrative Biology</i> , 2015 , 19, 563-73	3.8	54
78	Triple negative breast cancer: a multi-omics network discovery strategy for candidate targets and driving pathways. <i>OMICS A Journal of Integrative Biology</i> , 2015 , 19, 115-30	3.8	52
77	Genome-scale reconstruction of metabolic network for a halophilic extremophile, <i>Chromohalobacter salexigens</i> DSM 3043. <i>BMC Systems Biology</i> , 2011 , 5, 12	3.5	51
76	Drug Repositioning for Effective Prostate Cancer Treatment. <i>Frontiers in Physiology</i> , 2018 , 9, 500	4.6	43
75	Discovery of therapeutic agents for prostate cancer using genome-scale metabolic modeling and drug repositioning. <i>EBioMedicine</i> , 2019 , 42, 386-396	8.8	38
74	Differential co-expression analysis reveals a novel prognostic gene module in ovarian cancer. <i>Scientific Reports</i> , 2017 , 7, 4996	4.9	38
73	Identification of Prognostic Biomarker Signatures and Candidate Drugs in Colorectal Cancer: Insights from Systems Biology Analysis. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	35
72	Molecular signatures of ovarian diseases: Insights from network medicine perspective. <i>Systems Biology in Reproductive Medicine</i> , 2016 , 62, 266-82	2.9	33
71	Flux analysis of recombinant <i>Saccharomyces cerevisiae</i> YPB-G utilizing starch for optimal ethanol production. <i>Process Biochemistry</i> , 2004 , 39, 2097-2108	4.8	32
70	Multomics Analysis of Tumor Microenvironment Reveals Gata2 and miRNA-124-3p as Potential Novel Biomarkers in Ovarian Cancer. <i>OMICS A Journal of Integrative Biology</i> , 2017 , 21, 603-615	3.8	31
69	The stimulatory effect of mannitol on levan biosynthesis: Lessons from metabolic systems analysis of <i>Halomonas smyrnensis</i> AAD6(T.). <i>Biotechnology Progress</i> , 2013 , 29, 1386-97	2.8	30

68	Drug Targeting and Biomarkers in Head and Neck Cancers: Insights from Systems Biology Analyses. <i>OMICS A Journal of Integrative Biology</i> , 2018 , 22, 422-436	3.8	29
67	Systems biology based drug repositioning for development of cancer therapy. <i>Seminars in Cancer Biology</i> , 2021 , 68, 47-58	12.7	28
66	Genomic analysis reveals the biotechnological and industrial potential of levan producing halophilic extremophile, <i>Halomonas smyrnensis</i> AAD6T. <i>SpringerPlus</i> , 2015 , 4, 393		27
65	A Network-Based Cancer Drug Discovery: From Integrated Multi-Omics Approaches to Precision Medicine. <i>Current Pharmaceutical Design</i> , 2018 , 24, 3778-3790	3.3	26
64	Understanding signaling in yeast: Insights from network analysis. <i>Biotechnology and Bioengineering</i> , 2007 , 97, 1246-58	4.9	23
63	Integrative transcriptomics analysis of lung epithelial cells and identification of repurposable drug candidates for COVID-19. <i>European Journal of Pharmacology</i> , 2020 , 887, 173594	5.3	23
62	Multi-Omic Data Interpretation to Repurpose Subtype Specific Drug Candidates for Breast Cancer. <i>Frontiers in Genetics</i> , 2019 , 10, 420	4.5	21
61	Integration of multiple biological features yields high confidence human protein interactome. <i>Journal of Theoretical Biology</i> , 2016 , 403, 85-96	2.3	20
60	Computational Systems Biology of Psoriasis: Are We Ready for the Age of Omics and Systems Biomarkers?. <i>OMICS A Journal of Integrative Biology</i> , 2015 , 19, 669-87	3.8	18
59	Proteomic and Metabolic Signatures of Esophageal Squamous Cell Carcinoma. <i>Current Cancer Drug Targets</i> , 2016 , 16, 721-736	2.8	18
58	"Omics" of Selenium Biology: A Prospective Study of Plasma Proteome Network Before and After Selenized-Yeast Supplementation in Healthy Men. <i>OMICS A Journal of Integrative Biology</i> , 2016 , 20, 202-113	3.8	18
57	Pan-cancer mapping of differential protein-protein interactions. <i>Scientific Reports</i> , 2020 , 10, 3272	4.9	17
56	Interactive cooperation and hierarchical operation of microRNA and transcription factor crosstalk in human transcriptional regulatory network. <i>IET Systems Biology</i> , 2016 , 10, 219-228	1.4	17
55	Novel Genomic Biomarker Candidates for Cervical Cancer As Identified by Differential Co-Expression Network Analysis. <i>OMICS A Journal of Integrative Biology</i> , 2019 , 23, 261-273	3.8	16
54	New Machine Learning Applications to Accelerate Personalized Medicine in Breast Cancer: Rise of the Support Vector Machines. <i>OMICS A Journal of Integrative Biology</i> , 2020 , 24, 241-246	3.8	16
53	Co-expression Network Analysis Elucidated a Core Module in Association With Prognosis of Non-functioning Non-invasive Human Pituitary Adenoma. <i>Frontiers in Endocrinology</i> , 2019 , 10, 361	5.7	16
52	Comprehensive Analysis of RNA-Seq Gene Expression Profiling of Brain Transcriptomes Reveals Novel Genes, Regulators, and Pathways in Autism Spectrum Disorder. <i>Brain Sciences</i> , 2020 , 10,	3.4	16
51	Transcriptomic-Guided Drug Repositioning Supported by a New Bioinformatics Search Tool: geneXpharma. <i>OMICS A Journal of Integrative Biology</i> , 2017 , 21, 584-591	3.8	15

50	Genomic analysis of <i>Brevibacillus thermoruber</i> 423 reveals its biotechnological and industrial potential. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 2277-89	5.7	14
49	Drug targets for tumorigenesis: insights from structural analysis of EGFR signaling network. <i>Journal of Biomedical Informatics</i> , 2009 , 42, 228-36	10.2	14
48	A system based network approach to ethanol tolerance in <i>Saccharomyces cerevisiae</i> . <i>BMC Systems Biology</i> , 2014 , 8, 90	3.5	13
47	Draft genome sequence of <i>Halomonas smyrnensis</i> AAD6T. <i>Journal of Bacteriology</i> , 2012 , 194, 5690-1	3.5	13
46	Systems biomarkers in psoriasis: Integrative evaluation of computational and experimental data at transcript and protein levels. <i>Gene</i> , 2018 , 647, 157-163	3.8	11
45	Analysis of transcriptional profiles of <i>Saccharomyces cerevisiae</i> exposed to bisphenol A. <i>Current Genetics</i> , 2017 , 63, 253-274	2.9	11
44	Assessment of high-confidence protein-protein interactome in yeast. <i>Computational Biology and Chemistry</i> , 2013 , 45, 1-8	3.6	11
43	Proteomic and Metabolic Signatures of Esophageal Squamous Cell Carcinoma. <i>Current Cancer Drug Targets</i> , 2016 ,	2.8	11
42	RNA-based ovarian cancer research from a gene to systems biomedicine perspective. <i>Systems Biology in Reproductive Medicine</i> , 2017 , 63, 219-238	2.9	10
41	Ovarian Cancer Differential Interactome and Network Entropy Analysis Reveal New Candidate Biomarkers. <i>OMICS A Journal of Integrative Biology</i> , 2017 , 21, 285-294	3.8	10
40	COVID-19 and the Futures of Machine Learning. <i>OMICS A Journal of Integrative Biology</i> , 2020 , 24, 512-514	3.8	10
39	Pathways involved in viral oncogenesis: New perspectives from virus-host protein interactomics. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165885	6.9	10
38	The Genome-Based Metabolic Systems Engineering to Boost Levan Production in a Halophilic Bacterial Model. <i>OMICS A Journal of Integrative Biology</i> , 2018 , 22, 198-209	3.8	9
37	Higher proteotoxic stress rather than mitochondrial damage is involved in higher neurotoxicity of bortezomib compared to carfilzomib. <i>Redox Biology</i> , 2020 , 32, 101502	11.3	8
36	Transcriptomic analysis displays the effect of (-)-roemerine on the motility and nutrient uptake in <i>Escherichia coli</i> . <i>Current Genetics</i> , 2017 , 63, 709-722	2.9	7
35	Drug Repositioning for P-Glycoprotein Mediated Co-Expression Networks in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2020 , 10, 1273	5.3	7
34	Genome reprogramming in upon nonylphenol exposure. <i>Physiological Genomics</i> , 2017 , 49, 549-566	3.6	6
33	Mapping the Molecular Basis and Markers of Papillary Thyroid Carcinoma Progression and Metastasis Using Global Transcriptome and microRNA Profiling. <i>OMICS A Journal of Integrative Biology</i> , 2020 , 24, 148-159	3.8	6

32	Omics-Driven Biomarkers of Psoriasis: Recent Insights, Current Challenges, and Future Prospects. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2020 , 13, 611-625	2.9	6
31	Unexpectedly lower mortality rates in COVID-19 patients with and without type 2 diabetes in Istanbul. <i>Diabetes Research and Clinical Practice</i> , 2021 , 174, 108753	7.4	6
30	Multiomics Approach to Novel Therapeutic Targets for Cancer and Aging-Related Diseases: Role of Sld7 in Yeast Aging Network. <i>OMICS A Journal of Integrative Biology</i> , 2017 , 21, 100-113	3.8	5
29	Hypothesis: Are There Molecular Signatures of Yoga Practice in Peripheral Blood Mononuclear Cells?. <i>OMICS A Journal of Integrative Biology</i> , 2017 , 21, 426-428	3.8	4
28	Draft Genome Sequence of Exopolysaccharide-Producing Thermophilic Bacterium <i>Brevibacillus thermoruber</i> Strain 423. <i>Genome Announcements</i> , 2013 , 1,		4
27	A cross-sectional study of biotechnology awareness and teaching in European high schools. <i>New Biotechnology</i> , 2010 , 27, 822-8	6.4	4
26	Current State of "Omics" Biomarkers in Pancreatic Cancer. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	4
25	Differential Interactome Proposes Subtype-Specific Biomarkers and Potential Therapeutics in Renal Cell Carcinomas. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	4
24	Cardiomyogenic differentiation potential of human lipoaspirate-derived stem cells on hyaluronic acid/gelatin plasma gels. <i>Turkish Journal of Biology</i> , 2016 , 40, 369-379	3.1	3
23	Novel molecular signatures and potential therapeutics in renal cell carcinomas: Insights from a comparative analysis of subtypes. <i>Genomics</i> , 2020 , 112, 3166-3178	4.3	3
22	Systems biology solutions to challenges in marine biotechnology. <i>Frontiers in Marine Science</i> , 2014 , 1,	4.5	3
21	Transfer function approach in structured modeling of recombinant yeast utilizing starch. <i>Process Biochemistry</i> , 2004 , 39, 1237-1248	4.8	3
20	miRNA-mediated Drug Repurposing Unveiled Potential Candidate Drugs for Prolactinoma Treatment. <i>Neuroendocrinology</i> , 2021 ,	5.6	3
19	Lower COVID-19 Mortality in Patients with Type 2 Diabetes Mellitus Taking Dipeptidyl Peptidase-4 Inhibitors: Results from a Turkish Nationwide Study. <i>Diabetes Therapy</i> , 2021 , 12, 2857-2870	3.6	3
18	GENETIC MUTATIONS ARE CHARACTERIZED BY INCREASE IN ENTROPY AT THE TRANSCRIPTIONAL LEVEL. <i>Journal of Biological Systems</i> , 2014 , 22, 377-391	1.6	2
17	Artificial Intelligence as Accelerator for Genomic Medicine and Planetary Health. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 745-749	3.8	2
16	Monogenic Childhood Diabetes: Dissecting Clinical Heterogeneity by Next-Generation Sequencing in Maturity-Onset Diabetes of the Young. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 431-449	3.8	2
15	Overview of omics biomarkers in pituitary neuroendocrine tumors to design future diagnosis and treatment strategies. <i>EPMA Journal</i> , 2021 , 12, 383-401	8.8	2

14	Thanatechnology and the Living Dead: New Concepts in Digital Transformation and Human-Computer Interaction. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 401-407	3.8	2
13	The Repertoire of Glycan Alterations and Glycoproteins in Human Cancers. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 139-168	3.8	2
12	Systems-level biomarkers identification and drug repositioning in colorectal cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2021 , 13, 638-661	3.4	2
11	Differential Protein Interactome in Esophageal Squamous Cell Carcinoma Offers Novel Systems Biomarker Candidates with High Diagnostic and Prognostic Performance. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 495-512	3.8	2
10	Identification of Novel Components of Target-of-Rapamycin Signaling Pathway by Network-Based Multi-Omics Integrative Analysis. <i>OMICS A Journal of Integrative Biology</i> , 2019 , 23, 274-284	3.8	1
9	Cancer Drug Repositioning by Comparison of Gene Expression in Humans and Axolotl () During Wound Healing. <i>OMICS A Journal of Integrative Biology</i> , 2019 , 23, 389-405	3.8	1
8	Transcriptomic profile of Pea3 family members reveal regulatory codes for axon outgrowth and neuronal connection specificity. <i>Scientific Reports</i> , 2020 , 10, 18162	4.9	1
7	Cancer Stem Cell Transcriptome Profiling Reveals Seed Genes of Tumorigenesis: New Avenues for Cancer Precision Medicine. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 372-388	3.8	1
6	ETS-Domain Transcription Factor Elk-1 Regulates Stemness Genes in Brain Tumors and CD133+ BrainTumor-Initiating Cells. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
5	Differential Interactome Based Drug Repositioning Unraveled Abacavir, Exemestane, Nortriptyline Hydrochloride, and Tolcapone as Potential Therapeutics for Colorectal Cancers. <i>Frontiers in Bioinformatics</i> , 2021 , 1,		1
4	Driving Precision Oncology to Clinical Practice: The Road Ahead from Biomarker Validation to Clinical Decision Systems.. <i>OMICS A Journal of Integrative Biology</i> , 2022 ,	3.8	1
3	Drug Repositioning Strategies to Explore New Candidates Treating Prostate Cancer 2019 , 801-826		0
2	Systems biomarkers for papillary thyroid cancer prognosis and treatment through multi-omics networks. <i>Archives of Biochemistry and Biophysics</i> , 2021 , 715, 109085	4.1	0
1	Systems-level biomarkers identification and drug repositioning in colorectal cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2021 , 13, 463-486	3.4	