

# Kazim Yalcin Arga

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

2,770  
citations

218677

26  
h-index

206112

48  
g-index

101  
all docs

101  
docs citations

101  
times ranked

3571  
citing authors

#	ARTICLE	IF	CITATIONS
1	A consensus yeast metabolic network reconstruction obtained from a community approach to systems biology. <i>Nature Biotechnology</i> , 2008, 26, 1155-1160.	17.5	530
2	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.	2.0	122
3	The role of protein interaction networks in systems biomedicine. <i>Computational and Structural Biotechnology Journal</i> , 2014, 11, 22-27.	4.1	106
4	Network-based approach to identify molecular signatures and therapeutic agents in Alzheimer's disease. <i>Computational Biology and Chemistry</i> , 2019, 78, 431-439.	2.3	92
5	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.	2.5	89
6	Drug Repositioning for Effective Prostate Cancer Treatment. <i>Frontiers in Physiology</i> , 2018, 9, 500.	2.8	85
7	Effective stimulating factors for microbial levan production by <i>Halomonas smyrnensis</i> AAD6T. <i>Journal of Bioscience and Bioengineering</i> , 2015, 119, 455-463.	2.2	81
8	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, 563-573.	2.0	70
9	Discovery of therapeutic agents for prostate cancer using genome-scale metabolic modeling and drug repositioning. <i>EBioMedicine</i> , 2019, 42, 386-396.	6.1	69
10	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, 115-130.	2.0	63
11	Genome-scale reconstruction of metabolic network for a halophilic extremophile, <i>Chromohalobacter salexigens</i> DSM 3043. <i>BMC Systems Biology</i> , 2011, 5, 12.	3.0	58
12	Differential co-expression analysis reveals a novel prognostic gene module in ovarian cancer. <i>Scientific Reports</i> , 2017, 7, 4996.	3.3	58
13	Systems biology based drug repositioning for development of cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 68, 47-58.	9.6	54
14	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.	3.5	52
15	Identification of Prognostic Biomarker Signatures and Candidate Drugs in Colorectal Cancer: Insights from Systems Biology Analysis. <i>Medicina (Lithuania)</i> , 2019, 55, 20.	2.0	51
16	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.	2.0	49
17	Molecular signatures of ovarian diseases: Insights from network medicine perspective. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 266-282.	2.1	47
18	A Network-Based Cancer Drug Discovery: From Integrated Multi-Omics Approaches to Precision Medicine. <i>Current Pharmaceutical Design</i> , 2019, 24, 3778-3790.	1.9	46

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19	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, 747.	2.3	45
20	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.	2.0	44
21	Multimomics 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.	2.0	42
22	Flux analysis of recombinant <i>Saccharomyces cerevisiae</i> YPB-G utilizing starch for optimal ethanol production. <i>Process Biochemistry</i> , 2004, 39, 2097-2108.	3.7	39
23	The stimulatory effect of mannitol on levan biosynthesis: Lessons from metabolic systems analysis of <i>Halomonas smyrnensis</i> AAD6T. <i>Biotechnology Progress</i> , 2013, 29, 1386-1397.	2.6	38
24	Multi-Omic Data Interpretation to Repurpose Subtype Specific Drug Candidates for Breast Cancer. <i>Frontiers in Genetics</i> , 2019, 10, 420.	2.3	36
25	Pan-cancer mapping of differential protein-protein interactions. <i>Scientific Reports</i> , 2020, 10, 3272.	3.3	36
26	Genomic analysis reveals the biotechnological and industrial potential of levan producing halophilic extremophile, <i>Halomonas smyrnensis</i> AAD6T. <i>SpringerPlus</i> , 2015, 4, 393.	1.2	32
27	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.	2.0	32
28	Understanding signaling in yeast: Insights from network analysis. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1246-1258.	3.3	28
29	Proteomic and Metabolic Signatures of Esophageal Squamous Cell Carcinoma. <i>Current Cancer Drug Targets</i> , 2016, 16, 721-736.	1.6	28
30	Transcriptomic-Guided Drug Repositioning Supported by a New Bioinformatics Search Tool: geneXpharma. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 584-591.	2.0	26
31	Integration of multiple biological features yields high confidence human protein interactome. <i>Journal of Theoretical Biology</i> , 2016, 403, 85-96.	1.7	25
32	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, 202-213.	2.0	24
33	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.	3.5	23
34	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.	1.5	23
35	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, 669-687.	2.0	22
36	Current State of Omics Biomarkers in Pancreatic Cancer. <i>Journal of Personalized Medicine</i> , 2021, 11, 127.	2.5	22

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37	A system based network approach to ethanol tolerance in <i>Saccharomyces cerevisiae</i> . <i>BMC Systems Biology</i> , 2014, 8, 90.	3.0	19
38	Genomic analysis of <i>Brevibacillus thermoruber</i> 423 reveals its biotechnological and industrial potential. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2277-2289.	3.6	19
39	Systems biomarkers in psoriasis: Integrative evaluation of computational and experimental data at transcript and protein levels. <i>Gene</i> , 2018, 647, 157-163.	2.2	19
40	Draft Genome Sequence of <i>Halomonas smyrnensis</i> AAD6 <sup>T</sup> . <i>Journal of Bacteriology</i> , 2012, 194, 5690-5691.	2.2	18
41	RNA-based ovarian cancer research from a gene to systems biomedicine™ perspective. <i>Systems Biology in Reproductive Medicine</i> , 2017, 63, 219-238.	2.1	18
42	Systems biomarkers for papillary thyroid cancer prognosis and treatment through multi-omics networks. <i>Archives of Biochemistry and Biophysics</i> , 2022, 715, 109085.	3.0	18
43	Omics-Driven Biomarkers of Psoriasis: Recent Insights, Current Challenges, and Future Prospects. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2020, Volume 13, 611-625.	1.8	17
44	Drug targets for tumorigenesis: Insights from structural analysis of EGFR signaling network. <i>Journal of Biomedical Informatics</i> , 2009, 42, 228-236.	4.3	16
45	Ovarian Cancer Differential Interactome and Network Entropy Analysis Reveal New Candidate Biomarkers. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 285-294.	2.0	15
46	Drug Repositioning for P-Glycoprotein Mediated Co-Expression Networks in Colorectal Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 1273.	2.8	15
47	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.	3.8	15
48	Repositioning of Anti-Inflammatory Drugs for the Treatment of Cervical Cancer Sub-Types. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	14
49	Analysis of transcriptional profiles of <i>Saccharomyces cerevisiae</i> exposed to bisphenol A. <i>Current Genetics</i> , 2017, 63, 253-274.	1.7	13
50	Higher proteotoxic stress rather than mitochondrial damage is involved in higher neurotoxicity of bortezomib compared to carfilzomib. <i>Redox Biology</i> , 2020, 32, 101502.	9.0	13
51	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.	2.8	13
52	Assessment of high-confidence protein-protein interactome in yeast. <i>Computational Biology and Chemistry</i> , 2013, 45, 1-8.	2.3	12
53	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.	2.0	12
54	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.	2.0	12

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55	COVID-19 and the Futures of Machine Learning. <i>OMICS A Journal of Integrative Biology</i> , 2020, 24, 512-514.	2.0	11
56	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.	2.5	11
57	Proteomic and Metabolic Signatures of Esophageal Squamous Cell Carcinoma. <i>Current Cancer Drug Targets</i> , 2016, , .	1.6	11
58	Novel molecular signatures and potential therapeutics in renal cell carcinomas: Insights from a comparative analysis of subtypes. <i>Genomics</i> , 2020, 112, 3166-3178.	2.9	10
59	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.	1.7	9
60	Genome reprogramming in <i>Saccharomyces cerevisiae</i> upon nonylphenol exposure. <i>Physiological Genomics</i> , 2017, 49, 549-566.	2.3	9
61	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.	2.0	9
62	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, 125.	2.5	9
63	Differential Interactome Proposes Subtype-Specific Biomarkers and Potential Therapeutics in Renal Cell Carcinomas. <i>Journal of Personalized Medicine</i> , 2021, 11, 158.	2.5	8
64	Overview of omics biomarkers in pituitary neuroendocrine tumors to design future diagnosis and treatment strategies. <i>EPMA Journal</i> , 2021, 12, 383-401.	6.1	8
65	MicroRNA-Mediated Drug Repurposing Unveiled Potential Candidate Drugs for Prolactinoma Treatment. <i>Neuroendocrinology</i> , 2022, 112, 161-173.	2.5	7
66	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.	2.0	7
67	Artificial Intelligence as Accelerator for Genomic Medicine and Planetary Health. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 745-749.	2.0	7
68	Precision Diagnosis of Maturity-Onset Diabetes of the Young with Next-Generation Sequencing: Findings from the MODY-IST Study in Adult Patients. <i>OMICS A Journal of Integrative Biology</i> , 2022, 26, 218-235.	2.0	7
69	Cancer Drug Repositioning by Comparison of Gene Expression in Humans and Axolotl ( <i>Ambystoma</i> ) Tj ETQq1 1 0.784314 rgBT /Over	2.0	7
70	Transcriptomic profile of Pea3 family members reveal regulatory codes for axon outgrowth and neuronal connection specificity. <i>Scientific Reports</i> , 2020, 10, 18162.	3.3	6
71	Multimiomics 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.	2.0	5
72	Acute Myeloid Leukemia: New Multiomics Molecular Signatures and Implications for Systems Medicine Diagnostics and Therapeutics Innovation. <i>OMICS A Journal of Integrative Biology</i> , 2022, 26, 392-403.	2.0	5

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73	Transfer function approach in structured modeling of recombinant yeast utilizing starch. <i>Process Biochemistry</i> , 2004, 39, 1237-1248.	3.7	4
74	A cross-sectional study of biotechnology awareness and teaching in European high schools. <i>New Biotechnology</i> , 2010, 27, 822-828.	4.4	4
75	Draft Genome Sequence of Exopolysaccharide-Producing Thermophilic Bacterium <i>Brevibacillus thermoruber</i> Strain 423. <i>Genome Announcements</i> , 2013, 1, .	0.8	4
76	Systems biology solutions to challenges in marine biotechnology. <i>Frontiers in Marine Science</i> , 2014, 1, .	2.5	4
77	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.	2.0	4
78	The Repertoire of Glycan Alterations and Glycoproteins in Human Cancers. <i>OMICS A Journal of Integrative Biology</i> , 2021, 25, 139-168.	2.0	4
79	Recent Developments in Cancer Systems Biology: Lessons Learned and Future Directions. <i>Journal of Personalized Medicine</i> , 2021, 11, 271.	2.5	4
80	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.	0.8	3
81	Decreased serum levels of glycerol-3- phosphate dehydrogenase 1 and monoacylglycerol lipase act as diagnostic biomarkers for breast cancer. <i>Cancer Biomarkers</i> , 2022, 34, 67-76.	1.7	3
82	Multimomics Data Integration Identifies New Molecular Signatures for Abdominal Aortic Aneurysm and Aortic Occlusive Disease: Implications for Early Diagnosis, Prognosis, and Therapeutic Targets. <i>OMICS A Journal of Integrative Biology</i> , 2022, 26, 290-304.	2.0	3
83	GENETIC MUTATIONS ARE CHARACTERIZED BY INCREASE IN ENTROPY AT THE TRANSCRIPTIONAL LEVEL. <i>Journal of Biological Systems</i> , 2014, 22, 377-391.	1.4	2
84	Drug Repositioning Strategies to Explore New Candidates Treating Prostate Cancer. , 2019, , 801-826.		2
85	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.	2.0	2
86	Systems-level biomarkers identification and drug repositioning in colorectal cancer. <i>World Journal of Gastrointestinal Oncology</i> , 2021, 13, 638-661.	2.0	2
87	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.	2.0	2
88	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, .	2.1	2
89	Past, Present, and Future of Therapies for Pituitary Neuroendocrine Tumors: Need for Omics and Drug Repositioning Guidance. <i>OMICS A Journal of Integrative Biology</i> , 2022, 26, 115-129.	2.0	2
90	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.	2.0	1

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91	Driving Precision Oncology to Clinical Practice: The Road Ahead from Biomarker Validation to Clinical Decision Systems. OMICS A Journal of Integrative Biology, 2022, , .	2.0	1
92	Systems-level biomarkers identification and drug repositioning in colorectal cancer. World Journal of Gastrointestinal Oncology, 2021, 13, 463-486.	2.0	0