

Hasan H Otu

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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.

80
papers

3,867
citations

32
h-index

61
g-index

89
ext. papers

4,398
ext. citations

6.2
avg, IF

4.74
L-index

#	Paper	IF	Citations
80	Identifying large-scale interaction atlases using probabilistic graphs and external knowledge.. <i>Journal of Clinical and Translational Science</i> , 2022 , 6, e27	0.4	
79	KEGG2Net: Deducing gene interaction networks and acyclic graphs from KEGG pathways. <i>EMBNet Journal</i> , 2021 , 26,	2.3	3
78	An Unbiased Predictive Model to Detect DNA Methylation Propensity of CpG Islands in the Human Genome. <i>Current Bioinformatics</i> , 2021 , 16, 179-196	4.7	4
77	Parenteral lipid emulsions induce unique ileal fatty acid and metabolomic profiles but do not increase the risk of necrotizing enterocolitis in preterm pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, G227-G239	5.1	2
76	Identification of Plasma Proteome Signatures Associated With Surgery Using SOMAscan. <i>Annals of Surgery</i> , 2021 , 273, 732-742	7.8	17
75	Targeted metabolomics analysis of postoperative delirium. <i>Scientific Reports</i> , 2021 , 11, 1521	4.9	4
74	Proteome-Wide Analysis using SOMAscan Identifies and Validates Chitinase-3-Like Protein 1 as a Risk and Disease Marker of Delirium Among Older Adults Undergoing Major Elective Surgery. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	4
73	Comparative analysis of single-cell transcriptomics in human and Zebrafish oocytes. <i>BMC Genomics</i> , 2020 , 21, 471	4.5	4
72	Unexpected effects of systemic steroids on the CRSwNP proteome: is protein upregulation more important than inhibition?. <i>International Forum of Allergy and Rhinology</i> , 2020 , 10, 334-342	6.3	3
71	Placenta accreta spectrum: biomarker discovery using plasma proteomics. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 223, 433.e1-433.e14	6.4	17
70	FQStat: a parallel architecture for very high-speed assessment of sequencing quality metrics. <i>BMC Bioinformatics</i> , 2019 , 20, 424	3.6	2
69	Identification of Genes Differentially Expressed in Simvastatin-Induced Alveolar Bone Formation. <i>JBMR Plus</i> , 2019 , 3, e10122	3.9	6
68	Neutrophil activation in systemic capillary leak syndrome (Clarkson disease). <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 5119-5127	5.6	11
67	Translating transcription: proteomics in chronic rhinosinusitis with nasal polyps reveals significant discordance with messenger RNA expression. <i>International Forum of Allergy and Rhinology</i> , 2019 , 9, 776-786	6.3	7
66	The Role of Inflammation after Surgery for Elders (RISE) study: Study design, procedures, and cohort profile. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019 , 11, 752-762	5.2	9
65	Noninvasive exosomal proteomic biosignatures, including cystatin SN, peroxiredoxin-5, and glycoprotein VI, accurately predict chronic rhinosinusitis with nasal polyps. <i>International Forum of Allergy and Rhinology</i> , 2019 , 9, 177-186	6.3	20
64	Development of a Dynamic Multi-Protein Signature of Postoperative Delirium. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 261-268	6.4	17

63	Higher C-Reactive Protein Levels Predict Postoperative Delirium in Older Patients Undergoing Major Elective Surgery: A Longitudinal Nested Case-Control Study. <i>Biological Psychiatry</i> , 2017 , 81, 145-153	7.9	61
62	Comparative analysis of human and mouse CpG islands using dbCGI		1
61	Bioinformatics approaches to single-cell analysis in developmental biology. <i>Molecular Human Reproduction</i> , 2016 , 22, 182-92	4.4	15
60	Nicotine Exposure During Pregnancy Results in Persistent Midline Epithelial Seam With Improper Palatal Fusion. <i>Nicotine and Tobacco Research</i> , 2016 , 18, 604-12	4.9	13
59	Detecting Microbial Dysbiosis Associated with Pediatric Crohn Disease Despite the High Variability of the Gut Microbiota. <i>Cell Reports</i> , 2016 , 14, 945-955	10.6	36
58	Meta-analysis of transcriptome data identifies a novel 5-gene pancreatic adenocarcinoma classifier. <i>Oncotarget</i> , 2016 , 7, 23263-81	3.3	28
57	Distinct and Shared Determinants of Cardiomyocyte Contractility in Multi-Lineage Competent Ethnically Diverse Human iPSCs. <i>Scientific Reports</i> , 2016 , 6, 37637	4.9	11
56	Bayesian network prior: network analysis of biological data using external knowledge. <i>Bioinformatics</i> , 2014 , 30, 860-7	7.2	29
55	Cell reprogramming. Histone chaperone ASF1A is required for maintenance of pluripotency and cellular reprogramming. <i>Science</i> , 2014 , 345, 822-5	33.3	61
54	Whole genome sequence of a Turkish individual. <i>PLoS ONE</i> , 2014 , 9, e85233	3.7	14
53	Bayesian pathway analysis of cancer microarray data. <i>PLoS ONE</i> , 2014 , 9, e102803	3.7	10
52	Gene expression profiling of granulosa cells from PCOS patients following varying doses of human chorionic gonadotropin. <i>Journal of Assisted Reproduction and Genetics</i> , 2013 , 30, 341-52	3.4	12
51	Testing robustness of relative complexity measure method constructing robust phylogenetic trees for <i>Galanthus L.</i> using the relative complexity measure. <i>BMC Bioinformatics</i> , 2013 , 14, 20	3.6	2
50	Identification of a novel gene set in human cumulus cells predictive of an oocyte pregnancy potential. <i>Fertility and Sterility</i> , 2013 , 99, 745-752.e6	4.8	43
49	Reprogrammed transcriptome in rhesus-bovine interspecies somatic cell nuclear transfer embryos. <i>PLoS ONE</i> , 2011 , 6, e22197	3.7	25
48	Pathway analysis of high-throughput biological data within a Bayesian network framework. <i>Bioinformatics</i> , 2011 , 27, 1667-74	7.2	30
47	Sequencing, analysis, and annotation of expressed sequence tags for <i>Camelus dromedarius</i> . <i>PLoS ONE</i> , 2010 , 5, e10720	3.7	26
46	Tob1 is a constitutively expressed repressor of liver regeneration. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1197-208	16.6	20

45	An exquisite cross-control mechanism among endothelial cell fate regulators directs the plasticity and heterogeneity of lymphatic endothelial cells. <i>Blood</i> , 2010 , 116, 140-50	2.2	71
44	Clustering of protein families into functional subtypes using Relative Complexity Measure with reduced amino acid alphabets. <i>BMC Bioinformatics</i> , 2010 , 11, 428	3.6	17
43	Bioinformatic identification and characterization of human endothelial cell-restricted genes. <i>BMC Genomics</i> , 2010 , 11, 342	4.5	47
42	Tob1 is a constitutively expressed repressor of liver regeneration. <i>Journal of Cell Biology</i> , 2010 , 189, i14-i14	1.4	14
41	Differential gene expression of bone marrow-derived CD34+ cells is associated with survival of patients suffering from myelodysplastic syndrome. <i>International Journal of Hematology</i> , 2009 , 89, 173-187	2.3	23
40	Aprotinin attenuates genomic expression variability following cardiac surgery. <i>Journal of Cardiac Surgery</i> , 2009 , 24, 772-80	1.3	1
39	Grammar-based distance in progressive multiple sequence alignment. <i>BMC Bioinformatics</i> , 2008 , 9, 306	3.6	32
38	Gene expression analysis of embryonic stem cells expressing VE-cadherin (CD144) during endothelial differentiation. <i>BMC Genomics</i> , 2008 , 9, 240	4.5	16
37	Proteomic identification of interleukin-2 therapy response in metastatic renal cell cancer. <i>Journal of Urology</i> , 2008 , 179, 730-6	2.5	9
36	Genomic counter-stress changes induced by the relaxation response. <i>PLoS ONE</i> , 2008 , 3, e2576	3.7	166
35	Serum proteomics and biomarkers in hepatocellular carcinoma and chronic liver disease. <i>Clinical Cancer Research</i> , 2008 , 14, 470-7	12.9	162
34	Gene expression of purified beta-cell tissue obtained from human pancreas with laser capture microdissection. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 1046-53	5.6	68
33	Gene expression profile of mouse prostate tumors reveals dysregulations in major biological processes and identifies potential murine targets for preclinical development of human prostate cancer therapy. <i>Prostate</i> , 2008 , 68, 1517-30	4.2	34
32	Differential expression of GADD45beta in normal and osteoarthritic cartilage: potential role in homeostasis of articular chondrocytes. <i>Arthritis and Rheumatism</i> , 2008 , 58, 2075-87		77
31	Genomic expression pathways associated with brain injury after cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007 , 134, 996-1005	1.5	18
30	Restoration of liver mass after injury requires proliferative and not embryonic transcriptional patterns. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11197-204	5.4	70
29	Serum proteome profiling detects myelodysplastic syndromes and identifies CXC chemokine ligands 4 and 7 as markers for advanced disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1307-12	11.5	63
28	Reduced PDEF expression increases invasion and expression of mesenchymal genes in prostate cancer cells. <i>Cancer Research</i> , 2007 , 67, 4219-26	10.1	75

27	A high-fat, ketogenic diet induces a unique metabolic state in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 292, E1724-39	6	282
26	c-Fos as a proapoptotic agent in TRAIL-induced apoptosis in prostate cancer cells. <i>Cancer Research</i> , 2007 , 67, 9425-34	10.1	76
25	Prediction of diabetic nephropathy using urine proteomic profiling 10 years prior to development of nephropathy. <i>Diabetes Care</i> , 2007 , 30, 638-43	14.6	106
24	Oxidative stress and atrial fibrillation after cardiac surgery: a case-control study. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 1166-72; discussion 1172-3	2.7	96
23	From Microarrays to Gene Networks 2007 , 45-58		0
22	Dysregulated Notch signaling induces pathological arterialization of developing lymphatics in Down syndrome fetus.. <i>FASEB Journal</i> , 2007 , 21, A15	0.9	
21	A novel class of vascular endothelial growth factor-responsive genes that require forkhead activity for expression. <i>Journal of Biological Chemistry</i> , 2006 , 281, 35544-53	5.4	44
20	The transcriptome of human oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14027-32	11.5	160
19	Differential gene expression analysis reveals generation of an autocrine loop by a mutant epidermal growth factor receptor in glioma cells. <i>Cancer Research</i> , 2006 , 66, 867-74	10.1	130
18	A novel pathway involving melanoma differentiation associated gene-7/interleukin-24 mediates nonsteroidal anti-inflammatory drug-induced apoptosis and growth arrest of cancer cells. <i>Cancer Research</i> , 2006 , 66, 11922-31	10.1	47
17	Proteomic analysis of the allograft response. <i>Transplantation</i> , 2006 , 82, 267-74	1.8	12
16	Essential role of Jun family transcription factors in PU.1 knockdown-induced leukemic stem cells. <i>Nature Genetics</i> , 2006 , 38, 1269-77	36.3	146
15	A novel role for GADD45beta as a mediator of MMP-13 gene expression during chondrocyte terminal differentiation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 38544-55	5.4	81
14	Unique gene expression profile based on pathologic response in epithelial ovarian cancer. <i>Journal of Clinical Oncology</i> , 2005 , 23, 7911-8	2.2	114
13	Preconditioning of primary human endothelial cells with inflammatory mediators alters the "set point" of the cell. <i>FASEB Journal</i> , 2005 , 19, 1914-6	0.9	22
12	Gene signatures of progression and metastasis in renal cell cancer. <i>Clinical Cancer Research</i> , 2005 , 11, 5730-9	12.9	341
11	Optimization and evaluation of surface-enhanced laser desorption/ionization time-of-flight mass spectrometry (SELDI-TOF MS) with reversed-phase protein arrays for protein profiling. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 133-40	5.9	37
10	Essential Role of Jun Family Transcription Factors in PU.1-Induced Leukemic Stem Cell Transformation.. <i>Blood</i> , 2005 , 106, 463-463	2.2	4

9	Differences in gene expression profiles of diabetic and nondiabetic patients undergoing cardiopulmonary bypass and cardioplegic arrest. <i>Circulation</i> , 2004 , 110, 11280-6	16.7	37
8	Differential transcriptional effects of PTH and estrogen during anabolic bone formation. <i>Journal of Cellular Biochemistry</i> , 2004 , 93, 476-90	4.7	22
7	Utilization of the relative complexity measure to construct a phylogenetic tree for fungi. <i>Mycological Research</i> , 2004 , 108, 117-25		11
6	Serum Protein Profiling with Mass Spectrometry for the Diagnosis of Myelodysplastic Syndromes.. <i>Blood</i> , 2004 , 104, 2362-2362	2.2	
5	Comment on "Stemness: transcriptional profiling of embryonic and adult stem cells" and "a stem cell molecular signature". <i>Science</i> , 2003 , 302, 393; author reply 393	33.3	266
4	A divide-and-conquer approach to fragment assembly. <i>Bioinformatics</i> , 2003 , 19, 22-9	7.2	17
3	A new sequence distance measure for phylogenetic tree construction. <i>Bioinformatics</i> , 2003 , 19, 2122-30	7.2	239
2	Joint source/channel coding for variable length codes. <i>IEEE Transactions on Communications</i> , 2000 , 48, 787-794	6.9	49
1	A joint source/channel coder with block constraints. <i>IEEE Transactions on Communications</i> , 1999 , 47, 1615-1618	5.9	188