

Hasan H Otu

List of Publications by Year in descending order

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87
papers

4,811
citations

101384

36
h-index

98622

67
g-index

89
all docs

89
docs citations

89
times ranked

7906
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene Signatures of Progression and Metastasis in Renal Cell Cancer. <i>Clinical Cancer Research</i> , 2005, 11, 5730-5739.	3.2	386
2	A high-fat, ketogenic diet induces a unique metabolic state in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1724-E1739.	1.8	343
3	Comment on " 'Stemness': Transcriptional Profiling of Embryonic and Adult Stem Cells" and "A Stem Cell Molecular Signature" (I). <i>Science</i> , 2003, 302, 393b-393.	6.0	297
4	A new sequence distance measure for phylogenetic tree construction. <i>Bioinformatics</i> , 2003, 19, 2122-2130.	1.8	286
5	Genomic Counter-Stress Changes Induced by the Relaxation Response. <i>PLoS ONE</i> , 2008, 3, e2576.	1.1	198
6	Serum Proteomics and Biomarkers in Hepatocellular Carcinoma and Chronic Liver Disease. <i>Clinical Cancer Research</i> , 2008, 14, 470-477.	3.2	191
7	The transcriptome of human oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14027-14032.	3.3	177
8	Essential role of Jun family transcription factors in PU.1 knockdown-induced leukemic stem cells. <i>Nature Genetics</i> , 2006, 38, 1269-1277.	9.4	167
9	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, 867-874.	0.4	149
10	Unique Gene Expression Profile Based on Pathologic Response in Epithelial Ovarian Cancer. <i>Journal of Clinical Oncology</i> , 2005, 23, 7911-7918.	0.8	133
11	Prediction of Diabetic Nephropathy Using Urine Proteomic Profiling 10 Years Prior to Development of Nephropathy. <i>Diabetes Care</i> , 2007, 30, 638-643.	4.3	118
12	Oxidative Stress and Atrial Fibrillation After Cardiac Surgery: A Case-Control Study. <i>Annals of Thoracic Surgery</i> , 2007, 84, 1166-1173.	0.7	111
13	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.	0.7	100
14	A Novel Role for GADD45 ² as a Mediator of MMP-13 Gene Expression during Chondrocyte Terminal Differentiation. <i>Journal of Biological Chemistry</i> , 2005, 280, 38544-38555.	1.6	93
15	From the cover: 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, 1307-1312.	3.3	91
16	Differential expression of GADD45 ² in normal and osteoarthritic cartilage: Potential role in homeostasis of articular chondrocytes. <i>Arthritis and Rheumatism</i> , 2008, 58, 2075-2087.	6.7	91
17	Joint source/channel coding for variable length codes. <i>IEEE Transactions on Communications</i> , 2000, 48, 787-794.	4.9	88
18	An exquisite cross-control mechanism among endothelial cell fate regulators directs the plasticity and heterogeneity of lymphatic endothelial cells. <i>Blood</i> , 2010, 116, 140-150.	0.6	87

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19	Reduced PDEF Expression Increases Invasion and Expression of Mesenchymal Genes in Prostate Cancer Cells. <i>Cancer Research</i> , 2007, 67, 4219-4226.	0.4	86
20	c-Fos as a Proapoptotic Agent in TRAIL-Induced Apoptosis in Prostate Cancer Cells. <i>Cancer Research</i> , 2007, 67, 9425-9434.	0.4	85
21	Restoration of Liver Mass after Injury Requires Proliferative and Not Embryonic Transcriptional Patterns. <i>Journal of Biological Chemistry</i> , 2007, 282, 11197-11204.	1.6	77
22	Gene Expression of Purified β -Cell Tissue Obtained from Human Pancreas with Laser Capture Microdissection. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1046-1053.	1.8	73
23	Histone chaperone ASF1A is required for maintenance of pluripotency and cellular reprogramming. <i>Science</i> , 2014, 345, 822-825.	6.0	72
24	Identification of a novel gene set in human cumulus cells predictive of an oocyte's pregnancy potential. <i>Fertility and Sterility</i> , 2013, 99, 745-752.e6.	0.5	56
25	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, 11922-11931.	0.4	54
26	Bioinformatic identification and characterization of human endothelial cell-restricted genes. <i>BMC Genomics</i> , 2010, 11, 342.	1.2	54
27	A Novel Class of Vascular Endothelial Growth Factor-responsive Genes That Require Forkhead Activity for Expression. <i>Journal of Biological Chemistry</i> , 2006, 281, 35544-35553.	1.6	50
28	Detecting Microbial Dysbiosis Associated with Pediatric Crohn Disease Despite the High Variability of the Gut Microbiota. <i>Cell Reports</i> , 2016, 14, 945-955.	2.9	49
29	Meta-analysis of transcriptome data identifies a novel 5-gene pancreatic adenocarcinoma classifier. <i>Oncotarget</i> , 2016, 7, 23263-23281.	0.8	49
30	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, 1517-1530.	1.2	47
31	Differences in Gene Expression Profiles of Diabetic and Nondiabetic Patients Undergoing Cardiopulmonary Bypass and Cardioplegic Arrest. <i>Circulation</i> , 2004, 110, II-280-II-286.	1.6	43
32	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.	1.4	41
33	Placenta accreta spectrum: biomarker discovery using plasma proteomics. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 433.e1-433.e14.	0.7	41
34	Identification of Plasma Proteome Signatures Associated With Surgery Using SOMAscan. <i>Annals of Surgery</i> , 2021, 273, 732-742.	2.1	41
35	Sequencing, Analysis, and Annotation of Expressed Sequence Tags for <i>Camelus dromedarius</i> . <i>PLoS ONE</i> , 2010, 5, e10720.	1.1	40
36	Bayesian network prior: network analysis of biological data using external knowledge. <i>Bioinformatics</i> , 2014, 30, 860-867.	1.8	39

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37	Grammar-based distance in progressive multiple sequence alignment. <i>BMC Bioinformatics</i> , 2008, 9, 306.	1.2	38
38	Tob1 is a constitutively expressed repressor of liver regeneration. <i>Journal of Experimental Medicine</i> , 2010, 207, 1197-1208.	4.2	38
39	Pathway analysis of high-throughput biological data within a Bayesian network framework. <i>Bioinformatics</i> , 2011, 27, 1667-1674.	1.8	37
40	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.	1.5	33
41	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.	1.7	31
42	Differential transcriptional effects of PTH and estrogen during anabolic bone formation. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 476-490.	1.2	27
43	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> , 2022, 77, 484-493.	1.7	27
44	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.	0.7	25
45	Reprogrammed Transcriptome in Rhesus-Bovine Interspecies Somatic Cell Nuclear Transfer Embryos. <i>PLoS ONE</i> , 2011, 6, e22197.	1.1	25
46	A divide-and-conquer approach to fragment assembly. <i>Bioinformatics</i> , 2003, 19, 22-29.	1.8	24
47	Preconditioning of primary human endothelial cells with inflammatory mediators alters the set point of the cell. <i>FASEB Journal</i> , 2005, 19, 1914-1916.	0.2	24
48	Targeted metabolomics analysis of postoperative delirium. <i>Scientific Reports</i> , 2021, 11, 1521.	1.6	24
49	Genomic expression pathways associated with brain injury after cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 996-1005.e4.	0.4	22
50	Whole Genome Sequence of a Turkish Individual. <i>PLoS ONE</i> , 2014, 9, e85233.	1.1	22
51	Gene expression analysis of embryonic stem cells expressing VE-cadherin (CD144) during endothelial differentiation. <i>BMC Genomics</i> , 2008, 9, 240.	1.2	21
52	Distinct and Shared Determinants of Cardiomyocyte Contractility in Multi-Lineage Competent Ethnically Diverse Human iPSCs. <i>Scientific Reports</i> , 2016, 6, 37637.	1.6	20
53	Nicotine Exposure During Pregnancy Results in Persistent Midline Epithelial Seam With Improper Palatal Fusion. <i>Nicotine and Tobacco Research</i> , 2016, 18, 604-612.	1.4	20
54	Clustering of protein families into functional subtypes using Relative Complexity Measure with reduced amino acid alphabets. <i>BMC Bioinformatics</i> , 2010, 11, 428.	1.2	19

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55	Utilization of the relative complexity measure to construct a phylogenetic tree for fungi. <i>Mycological Research</i> , 2004, 108, 117-125.	2.5	18
56	Bioinformatics approaches to single-cell analysis in developmental biology. <i>Molecular Human Reproduction</i> , 2016, 22, 182-192.	1.3	18
57	Neutrophil activation in systemic capillary leak syndrome (Clarkson disease). <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5119-5127.	1.6	18
58	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.	1.5	18
59	Comparative analysis of single-cell transcriptomics in human and zebrafish oocytes. <i>BMC Genomics</i> , 2020, 21, 471.	1.2	14
60	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, 341-352.	1.2	13
61	Bayesian Pathway Analysis of Cancer Microarray Data. <i>PLoS ONE</i> , 2014, 9, e102803.	1.1	13
62	Proteomic Analysis of the Allograft Response. <i>Transplantation</i> , 2006, 82, 267-274.	0.5	12
63	Proteomic Identification of Interleukin-2 Therapy Response in Metastatic Renal Cell Cancer. <i>Journal of Urology</i> , 2008, 179, 730-736.	0.2	11
64	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.	1.2	11
65	A joint source/channel coder with block constraints. <i>IEEE Transactions on Communications</i> , 1999, 47, 1615-1618.	4.9	9
66	Identification of Genes Differentially Expressed in Simvastatin-Induced Alveolar Bone Formation. <i>JBMR Plus</i> , 2019, 3, e10122.	1.3	9
67	An Unbiased Predictive Model to Detect DNA Methylation Propensity of CpG Islands in the Human Genome. <i>Current Bioinformatics</i> , 2021, 16, 179-196.	0.7	8
68	Serum Protein Signatures Using Aptamer-Based Proteomics for Minimal Change Disease and Membranous Nephropathy. <i>Kidney International Reports</i> , 2022, 7, 1539-1556.	0.4	8
69	FQStat: a parallel architecture for very high-speed assessment of sequencing quality metrics. <i>BMC Bioinformatics</i> , 2019, 20, 424.	1.2	7
70	KEGG2Net: Deducing gene interaction networks and acyclic graphs from KEGG pathways. <i>EMBnet Journal</i> , 2021, 26, e949.	0.2	7
71	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.	1.5	6
72	Patterns and Persistence of Perioperative Plasma and Cerebrospinal Fluid Neuroinflammatory Protein Biomarkers After Elective Orthopedic Surgery Using SOMAscan. <i>Anesthesia and Analgesia</i> , 2023, 136, 163-175.	1.1	6

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73	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.	1.2	5
74	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.	1.6	5
75	Essential Role of Jun Family Transcription Factors in PU.1-Induced Leukemic Stem Cell Transformation.. <i>Blood</i> , 2005, 106, 463-463.	0.6	4
76	Detecting gene interactions within a Bayesian Network framework using external knowledge. , 2012, , .		3
77	Integration of Multi-omics Data Using Probabilistic Graph Models and External Knowledge. <i>Current Bioinformatics</i> , 2021, 16, .	0.7	2
78	Aprotinin Attenuates Genomic Expression Variability Following Cardiac Surgery. <i>Journal of Cardiac Surgery</i> , 2009, 24, 772-780.	0.3	1
79	Comparative analysis of human and mouse CpG islands using dbCGI. , 2017, , .		1
80	Dysregulated Notch signaling induces pathological arterialization of developing lymphatics in Down syndrome fetus.. <i>FASEB Journal</i> , 2007, 21, A15.	0.2	1
81	Identifying large-scale interaction atlases using probabilistic graphs and external knowledge. <i>Journal of Clinical and Translational Science</i> , 2022, 6, e27.	0.3	1
82	Computational Analysis of Transcriptional Profiling in Dysmorphic Syndrome. , 2007, , .		0
83	Tissue permeability associated with chemokine-class inflammatory response following cardiac surgery. <i>Journal of the American College of Surgeons</i> , 2009, 209, S29-S30.	0.2	0
84	Physico-chemical properties of DNA in phylogeny construction. , 2010, , .		0
85	A dynamic Bayesian framework to learn temporal gene interactions using external knowledge. , 2013, , .		0
86	Serum Protein Profiling with Mass Spectrometry for the Diagnosis of Myelodysplastic Syndromes.. <i>Blood</i> , 2004, 104, 2362-2362.	0.6	0
87	Tob1 is a constitutively expressed repressor of liver regeneration. <i>Journal of Cell Biology</i> , 2010, 189, i14-i14.	2.3	0