

Victor Trevino

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

9,039
citations

279798

23
h-index

51608

86
g-index

107
all docs

107
docs citations

107
times ranked

13844
citing authors

#	ARTICLE	IF	CITATIONS
1	Inferring tumour purity and stromal and immune cell admixture from expression data. <i>Nature Communications</i> , 2013, 4, 2612.	12.8	5,788
2	Landscape of genomic alterations in cervical carcinomas. <i>Nature</i> , 2014, 506, 371-375.	27.8	708
3	SurvExpress: An Online Biomarker Validation Tool and Database for Cancer Gene Expression Data Using Survival Analysis. <i>PLoS ONE</i> , 2013, 8, e74250.	2.5	646
4	DNA Microarrays: a Powerful Genomic Tool for Biomedical and Clinical Research. <i>Molecular Medicine</i> , 2007, 13, 527-541.	4.4	205
5	GALGO: an R package for multivariate variable selection using genetic algorithms. <i>Bioinformatics</i> , 2006, 22, 1154-1156.	4.1	136
6	Understanding the HPV integration and its progression to cervical cancer. <i>Infection, Genetics and Evolution</i> , 2018, 61, 134-144.	2.3	97
7	Identification of a multi-cancer gene expression biomarker for cancer clinical outcomes using a network-based algorithm. <i>Scientific Reports</i> , 2015, 5, 11966.	3.3	93
8	Synovial fluid leukocyte apoptosis is inhibited in patients with very early rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2006, 8, R120.	3.5	80
9	Differential expression of miR-21, miR-125b and miR-191 in breast cancer tissue. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2013, 9, 53-59.	1.1	60
10	A systematic review of genetic mutations in pulmonary arterial hypertension. <i>BMC Medical Genetics</i> , 2017, 18, 82.	2.1	59
11	GridMass: a fast two-dimensional feature detection method for LC/MS. <i>Journal of Mass Spectrometry</i> , 2015, 50, 165-174.	1.6	52
12	Multiple HPV Infections and Viral Load Association in Persistent Cervical Lesions in Mexican Women. <i>Viruses</i> , 2020, 12, 380.	3.3	50
13	Metabolomic analysis of human vitreous humor differentiates ocular inflammatory disease. <i>Molecular Vision</i> , 2009, 15, 1210-7.	1.1	47
14	Transcription unit conservation in the three domains of life: a perspective from <i>Escherichia coli</i> . <i>Trends in Genetics</i> , 2001, 17, 175-177.	6.7	46
15	SurvMicro: assessment of miRNA-based prognostic signatures for cancer clinical outcomes by multivariate survival analysis. <i>Bioinformatics</i> , 2014, 30, 1630-1632.	4.1	46
16	Comparison of gene expression patterns across 12 tumor types identifies a cancer supercluster characterized by TP53 mutations and cell cycle defects. <i>Oncogene</i> , 2015, 34, 2732-2740.	5.9	46
17	Identification of VDR-Responsive Gene Signatures in Breast Cancer Cells. <i>Oncology</i> , 2006, 71, 111-123.	1.9	41
18	Compact cancer biomarkers discovery using a swarm intelligence feature selection algorithm. <i>Computational Biology and Chemistry</i> , 2010, 34, 244-250.	2.3	41

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19	A New Gene Expression Signature for Triple-Negative Breast Cancer using Frozen Fresh Tissue before Neoadjuvant chemotherapy. <i>Molecular Medicine</i> , 2017, 23, 101-111.	4.4	41
20	Circulating microRNA expression profile in B-cell acute lymphoblastic leukemia. <i>Cancer Biomarkers</i> , 2015, 15, 299-310.	1.7	39
21	High-throughput profiling of the humoral immune responses against thirteen human papillomavirus types by proteome microarrays. <i>Virology</i> , 2010, 405, 31-40.	2.4	34
22	Avocado fruit maturation and ripening: dynamics of aliphatic acetogenins and lipidomic profiles from mesocarp, idioblasts and seed. <i>BMC Plant Biology</i> , 2017, 17, 159.	3.6	34
23	Identification of circadian-related gene expression profiles in entrained breast cancer cell lines. <i>Chronobiology International</i> , 2016, 33, 392-405.	2.0	28
24	Identification and analysis of 35 genes associated with vitamin D deficiency: A systematic review to identify genetic variants. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 196, 105516.	2.5	22
25	A robust biomarker of differential correlations improves the diagnosis of cytologically indeterminate thyroid cancers. <i>International Journal of Molecular Medicine</i> , 2016, 37, 1355-1362.	4.0	21
26	Metrics to estimate differential co-expression networks. <i>BioData Mining</i> , 2017, 10, 32.	4.0	21
27	HotSpotAnnotationsâ€”a database for hotspot mutations and annotations in cancer. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	3.0	21
28	Variable selection in Logistic regression model with genetic algorithm. <i>Annals of Translational Medicine</i> , 2018, 6, 45-45.	1.7	20
29	Improving predictive models for Alzheimerâ€™s disease using GWAS data by incorporating misclassified samples modeling. <i>PLoS ONE</i> , 2020, 15, e0232103.	2.5	20
30	PubTerm: a web tool for organizing, annotating and curating genes, diseases, molecules and other concepts from PubMed records. Database: the Journal of Biological Databases and Curation, 2019, .	3.0	19
31	Identification and Characterization of microRNAs from <i>Entamoeba histolytica</i> HM1-IMSS. <i>PLoS ONE</i> , 2013, 8, e68202.	2.5	18
32	Analysis of Normal-Tumour Tissue Interaction in Tumours: Prediction of Prostate Cancer Features from the Molecular Profile of Adjacent Normal Cells. <i>PLoS ONE</i> , 2011, 6, e16492.	2.5	17
33	Unsupervised Hierarchical Clustering of Pancreatic Adenocarcinoma Dataset from TCGA Defines a Mucin Expression Profile that Impacts Overall Survival. <i>Cancers</i> , 2020, 12, 3309.	3.7	17
34	Improved Diagnostic Multimodal Biomarkers for Alzheimerâ€™s Disease and Mild Cognitive Impairment. <i>BioMed Research International</i> , 2015, 2015, 1-11.	1.9	16
35	Integrated transcriptomic and metabolomic analysis shows that disturbances in metabolism of tumor cells contribute to poor survival of RCC patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 744-752.	3.8	16
36	Magnetization-prepared rapid acquisition with gradient echo magnetic resonance imaging signal and texture features for the prediction of mild cognitive impairment to Alzheimerâ€™s disease progression. <i>Journal of Medical Imaging</i> , 2014, 1, 031005.	1.5	15

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37	Radiogenomics analysis identifies correlations of digital mammography with clinical molecular signatures in breast cancer. <i>PLoS ONE</i> , 2018, 13, e0193871.	2.5	15
38	Plasma and vacuolar membrane sphingolipidomes: composition and insights on the role of main molecular species. <i>Plant Physiology</i> , 2021, 186, 624-639.	4.8	15
39	Integration and comparison of different genomic data for outcome prediction in cancer. <i>BioData Mining</i> , 2015, 8, 32.	4.0	14
40	Entrainment of Breast Cell Lines Results in Rhythmic Fluctuations of MicroRNAs. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1499.	4.1	14
41	CAPN3, DCT, MLANA and TYRP1 are overexpressed in skin of vitiligo vulgaris Mexican patients. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 2804-2811.	1.8	14
42	Computational methods for detecting cancer hotspots. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3567-3576.	4.1	12
43	Transcriptomic and cellular analyses of CRISPR/Cas9-mediated edition of FASN show inhibition of aggressive characteristics in breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 321-327.	2.1	12
44	Immunotyping of tumor-infiltrating lymphocytes in triple-negative breast cancer and genetic characterization. <i>Oncology Letters</i> , 2020, 20, 1-1.	1.8	12
45	Models and computational strategies linking physiological response to molecular networks from large-scale data. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 3067-3089.	3.4	11
46	Molecular evolution and expression profile of the chemerine encoding gene RARRES2 in baboon and chimpanzee. <i>Biological Research</i> , 2015, 48, 31.	3.4	11
47	Evaluation of skin expression profiles of patients with vitiligo treated with narrow-band UVB therapy by targeted RNA-seq. <i>Anais Brasileiros De Dermatologia</i> , 2018, 93, 843-851.	1.1	11
48	Dynamic landscape of chromatin accessibility and transcriptomic changes during differentiation of human embryonic stem cells into dopaminergic neurons. <i>Scientific Reports</i> , 2021, 11, 16977.	3.3	11
49	COMPADRE: an R and web resource for pathway activity analysis by component decompositions. <i>Bioinformatics</i> , 2012, 28, 2701-2702.	4.1	9
50	Bilateral Image Subtraction and Multivariate Models for the Automated Triaging of Screening Mammograms. <i>BioMed Research International</i> , 2015, 2015, 1-12.	1.9	9
51	VALORATE: fast and accurate log-rank test in balanced and unbalanced comparisons of survival curves and cancer genomics. <i>Bioinformatics</i> , 2017, 33, 1900-1901.	4.1	9
52	Robust Discovery of Mild Cognitive Impairment Subtypes and Their Risk of Alzheimer's Disease Conversion Using Unsupervised Machine Learning and Gaussian Mixture Modeling. <i>Current Alzheimer Research</i> , 2021, 18, 595-606.	1.4	9
53	Analysis of host response to bacterial infection using error model based gene expression microarray experiments. <i>Nucleic Acids Research</i> , 2005, 33, e53-e53.	14.5	8
54	Identification of outcome-related driver mutations in cancer using conditional co-occurrence distributions. <i>Scientific Reports</i> , 2017, 7, 43350.	3.3	8

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55	Predictive features of breast cancer on Mexican screening mammography patients. , 2013, , .		7
56	Reference values for amino acids and acylcarnitines in peripheral blood in Quarter horses and American Miniature horses. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 62.	1.6	7
57	Computational approaches for predicting key transcription factors in targeted cell reprogramming (Review). <i>Molecular Medicine Reports</i> , 2018, 18, 1225-1237.	2.4	7
58	Integrative genomic analysis identifies associations of molecular alterations to APOBEC and BRCA1/2 mutational signatures in breast cancer. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e810.	1.2	7
59	Analysis of HPV Integrations in Mexican Pre-Tumoral Cervical Lesions Reveal Centromere-Enriched Breakpoints and Abundant Unspecific HPV Regions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3242.	4.1	7
60	Integrative Analysis of Lipid Profiles in Plasma Allows Cardiometabolic Risk Factor Clustering in Children with Metabolically Unhealthy Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	4.0	7
61	Profiles of Amino Acids and Acylcarnitines Related with Insecticide Exposure in <i>Culex quinquefasciatus</i> (Say). <i>PLoS ONE</i> , 2017, 12, e0169514.	2.5	7
62	Identification and Temporal Characterization of Features Associated with the Conversion from Mild Cognitive Impairment to Alzheimerâ€™s Disease. <i>Current Alzheimer Research</i> , 2018, 15, 751-763.	1.4	7
63	A systematic review and functional bioinformatics analysis of genes associated with Crohnâ€™s disease identify more than 120 related genes. <i>BMC Genomics</i> , 2022, 23, 302.	2.8	7
64	Characterizing genes associated with cancer using the CRISPR/Cas9 system: A systematic review of genes and methodological approaches. <i>Gene</i> , 2022, 833, 146595.	2.2	7
65	Multivariate Radiological-Based Models for the Prediction of Future Knee Pain: Data from the OAI. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-10.	1.3	5
66	Modeling and analysis of site-specific mutations in cancer identifies known plus putative novel hotspots and bias due to contextual sequences. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1664-1675.	4.1	5
67	A Network Biology Approach Identifies Molecular Cross-Talk between Normal Prostate Epithelial and Prostate Carcinoma Cells. <i>PLoS Computational Biology</i> , 2016, 12, e1004884.	3.2	5
68	Multomics subtyping for clinically prognostic cancer subtypes and personalized therapy: A systematic review and meta-analysis. <i>Genetics in Medicine</i> , 2022, 24, 15-25.	2.4	5
69	Germline Variants in Cancer Genes from Young Breast Cancer Mexican Patients. <i>Cancers</i> , 2022, 14, 1647.	3.7	5
70	Analysis of host response to bacterial infection using error model based gene expression microarray experiments. <i>Nucleic Acids Research</i> , 2005, 33, 2352-2353.	14.5	4
71	Modelling gene expression profiles related to prostate tumor progression using binary states. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 37.	2.1	4
72	Local image registration a comparison for bilateral registration mammography. , 2013, , .		4

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73	Wide association study of radiological features that predict future knee OA pain: data from the OAI. Proceedings of SPIE, 2014, , .	0.8	4
74	Knee Osteoarthritis pain prediction from X-ray imaging: Data from Osteoarthritis Initiative. , 2014, , .		4
75	Making Sense of Molecular Signatures in The Immune System. Combinatorial Chemistry and High Throughput Screening, 2004, 7, 231-238.	1.1	4
76	Multivariate genome-wide association study models to improve prediction of Crohn's disease risk and identification of potential novel variants. Computers in Biology and Medicine, 2022, 145, 105398.	7.0	4
77	Simplified amplified-fragment length polymorphism method for genotyping Mycobacterium tuberculosis isolates. Journal of Microbiological Methods, 2009, 78, 331-338.	1.6	3
78	Identification of a Novel Pathogenic Rearrangement Variant of the APC Gene Associated with a Variable Spectrum of Familial Cancer. Diagnostics, 2021, 11, 411.	2.6	3
79	Improvement of serum lipid parameters in consumers of Mexican Wagyu's beef: A randomized controlled trial. Journal of Food Science, 2021, 86, 2713-2726.	3.1	3
80	Efficient Gene Selection for Cancer Prognostic Biomarkers Using Swarm Optimization and Survival Analysis. Current Bioinformatics, 2016, 11, 310-323.	1.5	3
81	The Enigmatic Aliphatic Acetogenins and Their Correlations With Lipids During Seed Germination and Leaf Development of Avocado (Persea americana Mill.). Frontiers in Plant Science, 2022, 13, 839326.	3.6	3
82	Can T2 relaxation be used to predict knee other symptoms? - data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2012, 20, S208-S209.	1.3	2
83	Improved multimodal biomarkers for Alzheimer's disease and mild cognitive impairment diagnosis: data from ADNI. Proceedings of SPIE, 2013, , .	0.8	2
84	Bilateral image subtraction features for multivariate automated classification of breast cancer risk. , 2014, , .		2
85	A systematic review of genes affecting mitochondrial processes in cancer. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165846.	3.8	2
86	Chemosensitivity analysis and study of gene resistance on tumors and cancer stem cell isolates from patients with colorectal cancer. Molecular Medicine Reports, 2021, 24, .	2.4	2
87	420 ADVANCED MRI-BASED MEASUREMENTS AS SURROGATE MARKERS OF KOOS PAIN AND KOOS OTHER KNEE SYMPTOMS: DATA FROM THE OSTEOARTHRITIS INITIATIVE. Osteoarthritis and Cartilage, 2010, 18, S187.	1.3	1
88	MRI signal and texture features for the prediction of MCI to Alzheimer's disease progression. , 2014, , .		1
89	Osteoarthritis pain prediction using X-ray features: data from OAI. Osteoarthritis and Cartilage, 2014, 22, S275-S276.	1.3	1
90	Incorporating Breast Asymmetry Studies into CADx Systems. , 0, , .		1

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91	Primary explant culture and collagen I substrate enhances corneal endothelial cell morphology. BMC Research Notes, 2018, 11, 48.	1.4	1
92	Radiological Pain Predictors in Knee Osteoarthritis, a Four Feature Selection Comparison: Data from the OAI. Lecture Notes in Computer Science, 2014, , 351-360.	1.3	1
93	IC-P-081: T2 AND PROTON DENSITY SIGNAL- AND TEXTURE-RELATED FEATURES FOR THE PREDICTION OF MCI TO ALZHEIMER'S DISEASE PROGRESSION. , 2014, 10, P45-P46.		0
94	P3-210: T2 AND PROTON DENSITY SIGNAL- AND TEXTURE-RELATED FEATURES FOR THE PREDICTION OF MCI TO ALZHEIMER'S DISEASE PROGRESSION. , 2014, 10, P707-P708.		0
95	P1-168: A time series analysis of ADNI data reveals novel Alzheimer's-dementia-associated factors. , 2015, 11, P408-P409.		0
96	Knee osteoarthritis image registration: data from the Osteoarthritis Initiative. Proceedings of SPIE, 2015, , .	0.8	0
97	TSH levels, overweight, BMI, and skin expression levels of DCT and CCBL2 genes are related to vitiligo treatment response with narrow band UVB phototherapy. Dermatologic Therapy, 2019, 32, e12893.	1.7	0
98	Generating human papillomavirus (HPV) reference databases to maximize genomic mapping. Archives of Virology, 2022, 167, 57-65.	2.1	0
99	Under-Updated Particle Swarm Optimization for Small Feature Selection Subsets from Large-Scale Datasets. , 0, , .		0
100	Abstract 4604: Landscape of human and viral genomic alterations in cervical carcinomas.. , 2013, , .		0
101	Lipid and cholesterol metabolism gene expression in pterygium fibroblasts: comparative analysis with adipocytes and other fibroblasts. Revista Mexicana De OftalmologÃa (English Edition), 2019, 93, .	0.0	0