Kun-Hsing Yu

List of Publications by Year
in descending order

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57 papers	4,735 citations	279798 23 h-index	206112 48 g-index
61 all docs	61 docs citations	61 times ranked	7906 citing authors

#	Article	IF	Citations
1	Artificial intelligence in healthcare. Nature Biomedical Engineering, 2018, 2, 719-731.	22.5	1,437
2	Integrated Proteogenomic Characterization of Human High-Grade Serous Ovarian Cancer. Cell, 2016, 166, 755-765.	28.9	804
3	Predicting non-small cell lung cancer prognosis by fully automated microscopic pathology image features. Nature Communications, 2016, 7, 12474.	12.8	694
4	Suicide Rates Among Adolescents and Young Adults in the United States, 2000-2017. JAMA - Journal of the American Medical Association, 2019, 321, 2362.	7.4	207
5	Framing the challenges of artificial intelligence in medicine. BMJ Quality and Safety, 2019, 28, 238-241.	3.7	146
6	Transcriptome Profiling of Patient-Specific Human iPSC-Cardiomyocytes Predicts Individual Drug Safety and Efficacy Responses InÂVitro. Cell Stem Cell, 2016, 19, 311-325.	11.1	131
7	Examining the Use of Realâ€World Evidence in the Regulatory Process. Clinical Pharmacology and Therapeutics, 2020, 107, 843-852.	4.7	99
8	Association of Omics Features with Histopathology Patterns in Lung Adenocarcinoma. Cell Systems, 2017, 5, 620-627.e3.	6.2	88
9	Omics Profiling in Precision Oncology. Molecular and Cellular Proteomics, 2016, 15, 2525-2536.	3.8	84
10	Does One Size Fit All? Building a Framework for Medical Professionalism. Academic Medicine, 2011, 86, 1407-1414.	1.6	83
11	Exome Sequencing of Neonatal Blood Spots and the Identification of Genes Implicated in Bronchopulmonary Dysplasia. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 589-596.	5.6	76
12	Deep Transfer Learning and Radiomics Feature Prediction of Survival of Patients with High-Grade Gliomas. American Journal of Neuroradiology, 2020, 41, 40-48.	2.4	73
13	Classifying non-small cell lung cancer types and transcriptomic subtypes using convolutional neural networks. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 757-769.	4.4	69
14	Epidemiology and risk factors for the development of cutaneous toxicities in patients treated with immune-checkpoint inhibitors: A United States population-level analysis. Journal of the American Academy of Dermatology, 2022, 86, 563-572.	1.2	51
15	An Informatics-assisted Label-free Approach for Personalized Tissue Membrane Proteomics: Case Study on Colorectal Cancer. Molecular and Cellular Proteomics, 2011, 10, M110.003087.	3.8	50
16	Artificial intelligence in research. Science, 2017, 357, 28-30.	12.6	44
17	Reproducible Machine Learning Methods for Lung Cancer Detection Using Computed Tomography Images: Algorithm Development and Validation. Journal of Medical Internet Research, 2020, 22, e16709.	4.3	43
18	Predicting Ovarian Cancer Patientsâ€™ Clinical Response to Platinum-Based Chemotherapy by Their Tumor Proteomic Signatures. Journal of Proteome Research, 2016, 15, 2455-2465.	3.7	39

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19	Prediction of severe immune-related adverse events requiring hospital admission in patients on immune checkpoint inhibitors: study of a population level insurance claims database from the USA. , 2021, 9, e001935.		38
20	The genetic predisposition to bronchopulmonary dysplasia. Current Opinion in Pediatrics, 2016, 28, 318-323.	2.0	34
21	Deciphering serous ovarian carcinoma histopathology and platinum response by convolutional neural networks. BMC Medicine, 2020, 18, 236.	5.5	33
22	Temporal bias in case-control design: preventing reliable predictions of the future. Nature Communications, 2021, 12, 1107.	12.8	33
23	Development of a Histopathology Informatics Pipeline for Classification and Prediction of Clinical Outcomes in Subtypes of Renal Cell Carcinoma. Clinical Cancer Research, 2021, 27, 2868-2878.	7.0	32
24	A Tale of Two Cities. Academic Medicine, 2014, 89, 944-950.	1.6	30
25	Prolonged Auditory Brainstem Response in Universal Hearing Screening of Newborns with Autism Spectrum Disorder. Autism Research, 2021, 14, 46-52.	3.8	24
26	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. PLoS ONE, 2020, 15, e0232376.	2.5	23
27	Classification of glioblastoma versus primary central nervous system lymphoma using convolutional neural networks. Scientific Reports, 2021, 11, 15219.	3.3	21
28	Integrative multiomics-histopathology analysis for breast cancer classification. Npj Breast Cancer, 2021, 7, 147.	5.2	21
29	Omics AnalySIs System for PRecision Oncology (OASISPRO): a web-based omics analysis tool for clinical phenotype prediction. Bioinformatics, 2018, 34, 319-320.	4.1	19
30	Data-driven analyses revealed the comorbidity landscape of tuberous sclerosis complex. Neurology, 2018, 91, 974-976.	1.1	19
31	Biomedical informatics advancing the national health agenda: the AMIA 2015 year-in-review in clinical and consumer informatics. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, e185-e190.	4.4	18
32	Systematic Protein Prioritization for Targeted Proteomics Studies through Literature Mining. Journal of Proteome Research, 2018, 17, 1383-1396.	3.7	16
33	Promoting human rights through science. Science, 2017, 358, 34-37.	12.6	15
34	Evaluation of the association of bariatric surgery with subsequent depression. International Journal of Obesity, 2019, 43, 2528-2535.	3.4	15
35	Real-world data analyses unveiled the immune-related adverse effects of immune checkpoint inhibitors across cancer types. Npj Precision Oncology, 2021, 5, 82.	5.4	14
36	Ten quick tips for deep learning in biology. PLoS Computational Biology, 2022, 18, e1009803.	3.2	14

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37	Autoimmune Effects of Lung Cancer Immunotherapy Revealed by Dataâ€Driven Analysis on a Nationwide Cohort. Clinical Pharmacology and Therapeutics, 2020, 107, 388-396.	4.7	12
38	The phenotypical implications of immune dysregulation in fragile X syndrome. European Journal of Neurology, 2020, 27, 590-593.	3.3	11
39	Prioritization of Cancer Marker Candidates Based on the Immunohistochemistry Staining Images Deposited in the Human Protein Atlas. PLoS ONE, 2013, 8, e81079.	2.5	9
40	Education for the future. Science, 2018, 360, 1409-1412.	12.6	9
41	COVID-19 infections following physical school reopening. Archives of Disease in Childhood, 2021, 106, e34-e34.	1.9	9
42	A Cloud-Based Metabolite and Chemical Prioritization System for the Biology/Disease-Driven Human Proteome Project. Journal of Proteome Research, 2018, 17, 4345-4357.	3.7	7
43	Quantifying the Impacts of Pre- and Post-Conception TSH Levels on Birth Outcomes: An Examination of Different Machine Learning Models. Frontiers in Endocrinology, 2021, 12, 755364.	3.5	7
44	Large-scale real-world data analysis identifies comorbidity patterns in schizophrenia. Translational Psychiatry, 2022, 12, 154.	4.8	6
45	Association of Race and Socioeconomic Disadvantage With Missed Telemedicine Visits for Pediatric Patients During the COVID-19 Pandemic. JAMA Pediatrics, 2022, 176, 933.	6.2	6
46	An Observational Study on the Molecular Profiling of Primary Melanomas Reveals a Progression Dependence on Mitochondrial Activation. Cancers, 2021, 13, 6066.	3.7	4
47	Outdoor mass gathering events and SARS-CoV-2 infection in Catalonia (North-East Spain). Lancet Regional Health - Europe, The, 2022, 15, 100350.	5.6	2
48	HARNESSING BIG DATA FOR PRECISION MEDICINE: INFRASTRUCTURES AND APPLICATIONS. , 2017, 22, 635-639.		1
49	Evaluation of Taroni etÂal.: Understanding Rare Diseases by MultiPLIER. Cell Systems, 2019, 8, 359-360.	6.2	1
50	Challenging transitions. Science, 2019, 363, 24-26.	12.6	1
51	A survival guide for interdisciplinary PhD students. Nature Biotechnology, 2016, 34, 993-994.	17.5	0
52	Deep decision support for lymph node metastatic risk evaluation. EBioMedicine, 2020, 62, 103105.	6.1	0
53	SURG-02. SURVIVAL PREDICTION AFTER NEUROSURGICAL RESECTION OF BRAIN METASTASES: A MACHINE LEARNING APPROACH. Neuro-Oncology, 2020, 22, ii203-ii203.	1.2	0
54	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. , 2020, 15, e0232376.		0

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55	Deep learning in rare disease. Detection of tubers in tuberous sclerosis complex. , 2020, 15, e0232376.		0
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