Alexander J Titus

List of Publications by Year
in descending order

27 papers	541 citations	1051969 10 h-index	843174 20 g-index
32 all docs	32 docs citations	32 times ranked	1115 citing authors

#	Article	IF	Citations
1	Ten quick tips for deep learning in biology. PLoS Computational Biology, 2022, 18, e1009803.	1.5	14
2	MethylSPWNet and MethylCapsNet: Biologically Motivated Organization of DNAm Neural Networks, Inspired by Capsule Networks. Npj Systems Biology and Applications, 2021, 7, 33.	1.4	12
3	Biotechnology in Defense of Economic and National Security. Health Security, 2020, 18, 310-312.	0.9	4
4	MethylNet: an automated and modular deep learning approach for DNA methylation analysis. BMC Bioinformatics, 2020, 21, 108.	1.2	69
5	Enrichment of CpG island shore region hypermethylation in epigenetic breast field cancerization. Epigenetics, 2020, 15, 1093-1106.	1.3	17
6	MicroRNA-Related Genetic Variants Associated with Survival of Head and Neck Squamous Cell Carcinoma. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 127-136.	1.1	17
7	PyMethylProcessâ€"convenient high-throughput preprocessing workflow for DNA methylation data. Bioinformatics, 2019, 35, 5379-5381.	1.8	12
8	Duration of military service is associated with decision quality in Veterans considering total knee replacement: case series . Patient Related Outcome Measures, 2019, Volume 10, 209-215.	0.7	3
9	Effectiveness of local anesthetic injection in geriatric patients following operative management of proximal and diaphyseal femur fracture. Injury, 2019, 50, 2055-2059.	0.7	4
10	Relationship Between Food Insecurity and Functional Limitations in Older Adults from 2005â€"2014 NHANES. Journal of Nutrition in Gerontology and Geriatrics, 2019, 38, 231-246.	0.4	21
11	Varying Levels of Food Insecurity Associated with Clinically Relevant Depressive Symptoms in U.S. Adults Aged 60 Years and Over: Results from the 2005â€"2014 National Health and Nutrition Survey. Journal of Nutrition in Gerontology and Geriatrics, 2019, 38, 218-230.	0.4	8
12	Psychiatric Illness Is Common in Elderly Fracture Patients. Journal of Orthopaedic Trauma, 2019, 33, 149-154.	0.7	3
13	Are Geriatric Patients Who Sustain High-Energy Traumatic Injury Likely to Return to Functional Independence?. Journal of Orthopaedic Trauma, 2019, 33, 234-238.	0.7	8
14	Comparison of common machine learning models for classification of tuberculosis using transcriptional biomarkers from integrated datasets. Applied Soft Computing Journal, 2019, 74, 264-273.	4.1	19
15	Mortality Risk Along the Frailty Spectrum: Data from the National Health and Nutrition Examination Survey 1999 to 2004. Journal of the American Geriatrics Society, 2018, 66, 496-502.	1.3	64
16	Automated Strategic Prioritization Matchmaking Tool to Facilitate Federalâ€"Community Adaptation Implementation. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	1.3	1
17	SIG-DB: Leveraging homomorphic encryption to securely interrogate privately held genomic databases. PLoS Computational Biology, 2018, 14, e1006454.	1.5	7
18	Prevalence rates of arthritis among US older adults with varying degrees of depression: Findings from the 2011 to 2014 National Health and Nutrition Examination Survey. International Journal of Geriatric Psychiatry, 2018, 33, 1671-1679.	1.3	9

#	Article	IF	Citations
19	Military Service and Decision Quality in the Management of Knee Osteoarthritis. Military Medicine, 2018, 183, e208-e213.	0.4	3
20	A New Dimension of Breast Cancer Epigenetics - Applications of Variational Autoencoders with DNA Methylation. , 2018, , .		12
21	Investigating Random Forest Classification on Publicly Available Tuberculosis Data to Uncover Robust Transcriptional Biomarkers. , 2018, , .		2
22	Genome-scale identification of microRNA-related SNPs associated with risk of head and neck squamous cell carcinoma. Carcinogenesis, 2017, 38, 986-993.	1.3	18
23	Deconvolution of DNA methylation identifies differentially methylated gene regions on 1p36 across breast cancer subtypes. Scientific Reports, 2017, 7, 11594.	1.6	20
24	Cell-type deconvolution from DNA methylation: a review of recent applications. Human Molecular Genetics, 2017, 26, R216-R224.	1.4	153
25	Genome-wide imaging association study implicates functional activity and glial homeostasis of the caudate in smoking addiction. BMC Genomics, 2017, 18, 740.	1.2	7
26	Automatic Identification of Co-Occuring Patient Events. , 2016, , .		2
27	methyLiftover: cross-platform DNA methylation data integration. Bioinformatics, 2016, 32, 2517-2519.	1.8	9