

# Gregory P Way

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

5,632  
citations

471509

17  
h-index

526287

27  
g-index

47  
all docs

47  
docs citations

47  
times ranked

11817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Image-based profiling: a powerful and challenging new data type. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2022, 27, 407-411.	0.7	0
2	Predicting drug polypharmacology from cell morphology readouts using variational autoencoder latent space arithmetic. PLoS Computational Biology, 2022, 18, e1009888.	3.2	17
3	Genome-wide association study implicates novel loci and reveals candidate effector genes for longitudinal pediatric bone accrual. Genome Biology, 2021, 22, 1.	8.8	239
4	Sharing biological data: why, when, and how. FEBS Letters, 2021, 595, 847-863.	2.8	26
5	Predicting cell health phenotypes using image-based morphology profiling. Molecular Biology of the Cell, 2021, 32, 995-1005.	2.1	71
6	A field guide to cultivating computational biology. PLoS Biology, 2021, 19, e3001419.	5.6	6
7	Compressing gene expression data using multiple latent space dimensionalities learns complementary biological representations. Genome Biology, 2020, 21, 109.	8.8	43
8	Epigenomic profiling of neuroblastoma cell lines. Scientific Data, 2020, 7, 116.	5.3	32
9	Discovering Pathway and Cell Type Signatures in Transcriptomic Compendia with Machine Learning. Annual Review of Biomedical Data Science, 2019, 2, 1-17.	6.5	11
10	Genomic Profiling of Childhood Tumor Patient-Derived Xenograft Models to Enable Rational Clinical Trial Design. Cell Reports, 2019, 29, 1675-1689.e9.	6.4	103
11	Integrated phosphoproteomics and transcriptional classifiers reveal hidden RAS signaling dynamics in multiple myeloma. Blood Advances, 2019, 3, 3214-3227.	5.2	19
12	Immune landscapes associated with different glioblastoma molecular subtypes. Acta Neuropathologica Communications, 2019, 7, 203.	5.2	112
13	Opportunities and obstacles for deep learning in biology and medicine. Journal of the Royal Society Interface, 2018, 15, 20170387.	3.4	1,282
14	Oncogenic Signaling Pathways in The Cancer Genome Atlas. Cell, 2018, 173, 321-337.e10.	28.9	2,111
15	Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. Cell Reports, 2018, 23, 172-180.e3.	6.4	119
16	Genomic and Molecular Landscape of DNA Damage Repair Deficiency across The Cancer Genome Atlas. Cell Reports, 2018, 23, 239-254.e6.	6.4	801
17	Extracting a biologically relevant latent space from cancer transcriptomes with variational autoencoders. , 2018, , .		101
18	Bayesian deep learning for single-cell analysis. Nature Methods, 2018, 15, 1009-1010.	19.0	21

#	ARTICLE	IF	CITATIONS
19	PathCORE-T: identifying and visualizing globally co-occurring pathways in large transcriptomic compendia. <i>BioData Mining</i> , 2018, 11, 14.	4.0	14
20	Extracting a biologically relevant latent space from cancer transcriptomes with variational autoencoders. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2018, 23, 80-91.	0.7	66
21	Functional network community detection can disaggregate and filter multiple underlying pathways in enrichment analyses. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2018, 23, 157-167.	0.7	0
22	Deconvolution of DNA methylation identifies differentially methylated gene regions on 1p36 across breast cancer subtypes. <i>Scientific Reports</i> , 2017, 7, 11594.	3.3	20
23	Implicating candidate genes at GWAS signals by leveraging topologically associating domains. <i>European Journal of Human Genetics</i> , 2017, 25, 1286-1289.	2.8	18
24	Challenges and Opportunities in Studying the Epidemiology of Ovarian Cancer Subtypes. <i>Current Epidemiology Reports</i> , 2017, 4, 211-220.	2.4	56
25	A machine learning classifier trained on cancer transcriptomes detects NF1 inactivation signal in glioblastoma. <i>BMC Genomics</i> , 2017, 18, 127.	2.8	30
26	Comprehensive Cross-Population Analysis of High-Grade Serous Ovarian Cancer Supports No More Than Three Subtypes. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 4097-4103.	1.8	31
27	Boldness, Aggression, and Shoaling Assays for Zebrafish Behavioral Syndromes. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	8
28	Interactions between aggression, boldness and shoaling within a brood of convict cichlids ( <i>Amatitlania nigrofasciatus</i> ). <i>Behavioural Processes</i> , 2015, 121, 63-69.	1.1	11
29	Sex differences in a shoaling-boldness behavioral syndrome, but no link with aggression. <i>Behavioural Processes</i> , 2015, 113, 7-12.	1.1	31
30	A Comparison of Methodologies to Test Aggression in Zebrafish. <i>Zebrafish</i> , 2015, 12, 144-151.	1.1	83