

Gerard Manning

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

15,534
citations

38720

50
h-index

118793

62
g-index

65
all docs

65
docs citations

65
times ranked

24474
citing authors

#	ARTICLE	IF	CITATIONS
1	The genomic landscape of metastatic breast cancer: Insights from 11,000 tumors. <i>PLoS ONE</i> , 2020, 15, e0231999.	1.1	36
2	Viral MLKL Homologs Subvert Necroptotic Cell Death by Sequestering Cellular RIPK3. <i>Cell Reports</i> , 2019, 28, 3309-3319.e5.	2.9	83
3	HER2 is not a cancer subtype but rather a pan-cancer event and is highly enriched in AR-driven breast tumors. <i>Breast Cancer Research</i> , 2018, 20, 8.	2.2	44
4	Genomics and evolution of protein phosphatases. <i>Science Signaling</i> , 2017, 10, .	1.6	206
5	Activation Mechanism of Oncogenic Deletion Mutations in BRAF, EGFR, and HER2. <i>Cancer Cell</i> , 2016, 29, 477-493.	7.7	171
6	Necroptosis and Inflammation. <i>Annual Review of Biochemistry</i> , 2016, 85, 743-763.	5.0	291
7	Bioinformatics analysis of thousands of TCGA tumors to determine the involvement of epigenetic regulators in human cancer. <i>BMC Genomics</i> , 2015, 16, S5.	1.2	29
8	Creating a specialist protein resource network: a meeting report for the protein bioinformatics and community resources retreat: Figure 1.. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav063.	1.4	8
9	Key challenges for the creation and maintenance of specialist protein resources. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 1005-1013.	1.5	13
10	Metabolite profiling stratifies pancreatic ductal adenocarcinomas into subtypes with distinct sensitivities to metabolic inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4410-7.	3.3	283
11	A comprehensive transcriptional portrait of human cancer cell lines. <i>Nature Biotechnology</i> , 2015, 33, 306-312.	9.4	556
12	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede <i>Strigamia maritima</i> . <i>PLoS Biology</i> , 2014, 12, e1002005.	2.6	221
13	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. <i>Biochemical Journal</i> , 2014, 457, 323-334.	1.7	241
14	HSF-1-mediated cytoskeletal integrity determines thermotolerance and life span. <i>Science</i> , 2014, 346, 360-363.	6.0	174
15	Premetazoan genome evolution and the regulation of cell differentiation in the choanoflagellate <i>Salpingoeca rosetta</i> . <i>Genome Biology</i> , 2013, 14, R15.	13.9	219
16	Assessment of computational methods for predicting the effects of missense mutations in human cancers. <i>BMC Genomics</i> , 2013, 14, S7.	1.2	153
17	The <i>Capsaspora</i> genome reveals a complex unicellular prehistory of animals. <i>Nature Communications</i> , 2013, 4, 2325.	5.8	244
18	Insulin Biosynthetic Interaction Network Component, TMEM24, Facilitates Insulin Reserve Pool Release. <i>Cell Reports</i> , 2013, 4, 921-930.	2.9	38

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19	Identification of a Mammalian-type Phosphatidylglycerophosphate Phosphatase in the Eubacterium <i>Rhodospirellula baltica</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 5176-5185.	1.6	6
20	Discovery of a metabolic alternative to the classical mevalonate pathway. <i>ELife</i> , 2013, 2, e00672.	2.8	83
21	RPN-6 determines <i>C. elegans</i> longevity under proteotoxic stress conditions. <i>Nature</i> , 2012, 489, 263-268.	13.7	372
22	Evolution of the chalcone-isomerase fold from fatty-acid binding to stereospecific catalysis. <i>Nature</i> , 2012, 485, 530-533.	13.7	191
23	The Raine Syndrome Protein FAM20C Is a Golgi Kinase That Phosphorylates Bio-Mineralization Proteins. <i>PLoS ONE</i> , 2012, 7, e42988.	1.1	141
24	Genomic Survey of Premetazoans Shows Deep Conservation of Cytoplasmic Tyrosine Kinases and Multiple Radiations of Receptor Tyrosine Kinases. <i>Science Signaling</i> , 2012, 5, ra35.	1.6	108
25	Structural and functional analysis of PTPMT1, a phosphatase required for cardiolipin synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11860-11865.	3.3	58
26	The <i>Selaginella</i> Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	6.0	794
27	The minimal kinome of <i>Giardia lamblia</i> illuminates early kinase evolution and unique parasite biology. <i>Genome Biology</i> , 2011, 12, R66.	3.8	123
28	Lifespan extension induced by AMPK and calcineurin is mediated by CRTC-1 and CREB. <i>Nature</i> , 2011, 470, 404-408.	13.7	339
29	Programmed ribosomal frameshifting in the expression of the regulator of intestinal stem cell proliferation, adenomatous polyposis coli (APC). <i>RNA Biology</i> , 2011, 8, 637-647.	1.5	16
30	Plk5, a Polo Box Domain-Only Protein with Specific Roles in Neuron Differentiation and Glioblastoma Suppression. <i>Molecular and Cellular Biology</i> , 2011, 31, 1225-1239.	1.1	99
31	From Plk1 to Plk5. <i>Cell Cycle</i> , 2011, 10, 2255-2262.	1.3	227
32	Comparative Analysis of <i>Histophilus somni</i> Immunoglobulin-binding Protein A (IbpA) with Other Fic Domain-containing Enzymes Reveals Differences in Substrate and Nucleotide Specificities. <i>Journal of Biological Chemistry</i> , 2011, 286, 32834-32842.	1.6	58
33	How the vertebrates were made: selective pruning of a double-duplicated genome. <i>BMC Biology</i> , 2010, 8, 144.	1.7	7
34	Genomics, evolution, and crystal structure of a new family of bacterial spore kinases. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010, 78, 1470-1482.	1.5	15
35	The <i>Amphimedon queenslandica</i> genome and the evolution of animal complexity. <i>Nature</i> , 2010, 466, 720-726.	13.7	917
36	Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. <i>Nature Chemical Biology</i> , 2010, 6, 25-33.	3.9	237

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37	Eukaryotic Kinomes. , 2010, , 393-397.		3
38	Insights into evolution of multicellular fungi from the assembled chromosomes of the mushroom <i>Coprinopsis cinerea</i> (<i>Coprinus cinereus</i>). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11889-11894.	3.3	389
39	Short promoters in viral vectors drive selective expression in mammalian inhibitory neurons, but do not restrict activity to specific inhibitory cell-types. Frontiers in Neural Circuits, 2009, 3, 19.	1.4	95
40	TORC-Specific Phosphorylation of Mammalian Target of Rapamycin (mTOR): Phospho-Ser2481 Is a Marker for Intact mTOR Signaling Complex 2. Cancer Research, 2009, 69, 1821-1827.	0.4	384
41	Structure of the Pseudokinase VRK3 Reveals a Degraded Catalytic Site, a Highly Conserved Kinase Fold, and a Putative Regulatory Binding Site. Structure, 2009, 17, 128-138.	1.6	180
42	Amphioxus encodes the largest known family of green fluorescent proteins, which have diversified into distinct functional classes. BMC Evolutionary Biology, 2009, 9, 77.	3.2	44
43	Cyclin-dependent kinases: a family portrait. Nature Cell Biology, 2009, 11, 1275-1276.	4.6	381
44	The F Box Protein Fbx6 Regulates Chk1 Stability and Cellular Sensitivity to Replication Stress. Molecular Cell, 2009, 35, 442-453.	4.5	170
45	The genome of the choanoflagellate <i>Monosiga brevicollis</i> and the origin of metazoans. Nature, 2008, 451, 783-788.	13.7	1,006
46	Quantitative exploration of the catalytic landscape separating divergent plant sesquiterpene synthases. Nature Chemical Biology, 2008, 4, 617-623.	3.9	184
47	The fold of β -synuclein fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8637-8642.	3.3	499
48	The protist, <i>Monosiga brevicollis</i> , has a tyrosine kinase signaling network more elaborate and diverse than found in any known metazoan. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9674-9679.	3.3	191
49	Distinct Structural and Functional Roles of Conserved Residues in the First Extracellular Domain of Receptors for Corticotropin-releasing Factor and Related G-protein-coupled Receptors. Journal of Biological Chemistry, 2007, 282, 37529-37536.	1.6	16
50	The Sorcerer II Global Ocean Sampling Expedition: Expanding the Universe of Protein Families. PLoS Biology, 2007, 5, e16.	2.6	736
51	Genomic Minimalism in the Early Diverging Intestinal Parasite <i>Giardia lamblia</i> . Science, 2007, 317, 1921-1926.	6.0	725
52	Structural and Functional Diversity of the Microbial Kinome. PLoS Biology, 2007, 5, e17.	2.6	239
53	The Genome of the Sea Urchin <i>Strongylocentrotus purpuratus</i> . Science, 2006, 314, 941-952.	6.0	1,018
54	The sea urchin kinome: A first look. Developmental Biology, 2006, 300, 180-193.	0.9	84

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55	The Dictyostelium Kinome—Analysis of the Protein Kinases from a Simple Model Organism. <i>PLoS Genetics</i> , 2006, 2, e38.	1.5	150
56	Macronuclear Genome Sequence of the Ciliate <i>Tetrahymena thermophila</i> , a Model Eukaryote. <i>PLoS Biology</i> , 2006, 4, e286.	2.6	657
57	Mutational Alteration of Human Immunodeficiency Virus Type 1 Vif Allows for Functional Interaction with Nonhuman Primate APOBEC3G. <i>Journal of Virology</i> , 2006, 80, 5984-5991.	1.5	99
58	Members of the NIMA-related Kinase Family Promote Disassembly of Cilia by Multiple Mechanisms. <i>Molecular Biology of the Cell</i> , 2006, 17, 2799-2810.	0.9	100
59	Genomic overview of protein kinases. <i>WormBook</i> , 2005, , 1-19.	5.3	90
60	The mouse kinome: Discovery and comparative genomics of all mouse protein kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11707-11712.	3.3	278
61	The STE20 Kinase HGK Is Broadly Expressed in Human Tumor Cells and Can Modulate Cellular Transformation, Invasion, and Adhesion. <i>Molecular and Cellular Biology</i> , 2003, 23, 2068-2082.	1.1	103
62	Eukaryotic Kinomes: Genomic Cataloguing of Protein Kinases and Their Evolution. , 2003, , 373-377.		0
63	Evolution of protein kinase signaling from yeast to man. <i>Trends in Biochemical Sciences</i> , 2002, 27, 514-520.	3.7	856
64	Whole animal cell sorting of <i>Drosophila</i> embryos. <i>Science</i> , 1991, 251, 81-85.	6.0	51