Gerard Manning

List of Publications by Year
in descending order

64 papers	15,534 citations	38742 50 h-index	118850 62 g-index
65 all docs	65 docs citations	65 times ranked	24474 citing authors

#	Article	IF	Citations
1	The Genome of the Sea Urchin Strongylocentrotus purpuratus. Science, 2006, 314, 941-952.	12.6	1,018
2	The genome of the choanoflagellate Monosiga brevicollis and the origin of metazoans. Nature, 2008, 451, 783-788.	27.8	1,006
3	The Amphimedon queenslandica genome and the evolution of animal complexity. Nature, 2010, 466, 720-726.	27.8	917
4	Evolution of protein kinase signaling from yeast to man. Trends in Biochemical Sciences, 2002, 27, 514-520.	7.5	856
5	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
6	The Sorcerer II Global Ocean Sampling Expedition: Expanding the Universe of Protein Families. PLoS Biology, 2007, 5, e16.	5.6	736
7	Genomic Minimalism in the Early Diverging Intestinal Parasite Giardia lamblia. Science, 2007, 317, 1921-1926.	12.6	725
8	Macronuclear Genome Sequence of the Ciliate Tetrahymena thermophila, a Model Eukaryote. PLoS Biology, 2006, 4, e286.	5.6	657
9	A comprehensive transcriptional portrait of human cancer cell lines. Nature Biotechnology, 2015, 33, 306-312.	17.5	556
10	The fold of Î±-synuclein fibrils. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8637-8642.	7.1	499
11	Insights into evolution of multicellular fungi from the assembled chromosomes of the mushroom Coprinopsis cinerea (Coprinus cinereus). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11889-11894.	7.1	389
12	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.	0.9	384
13	Cyclin-dependent kinases: a family portrait. Nature Cell Biology, 2009, 11, 1275-1276.	10.3	381
14	RPN-6 determines C. elegans longevity under proteotoxic stress conditions. Nature, 2012, 489, 263-268.	27.8	372
15	Lifespan extension induced by AMPK and calcineurin is mediated by CRTC-1 and CREB. Nature, 2011, 470, 404-408.	27.8	339
16	Necroptosis and Inflammation. Annual Review of Biochemistry, 2016, 85, 743-763.	11.1	291
17	Metabolite profiling stratifies pancreatic ductal adenocarcinomas into subtypes with distinct sensitivities to metabolic inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4410-7.	7.1	283
18	The mouse kinome: Discovery and comparative genomics of all mouse protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11707-11712.	7.1	278

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19	The Capsaspora genome reveals a complex unicellular prehistory of animals. Nature Communications, 2013, 4, 2325.	12.8	244
20	A robust methodology to subclassify pseudokinases based on their nucleotide-binding properties. Biochemical Journal, 2014, 457, 323-334.	3.7	241
21	Structural and Functional Diversity of the Microbial Kinome. PLoS Biology, 2007, 5, e17.	5.6	239
22	Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. Nature Chemical Biology, 2010, 6, 25-33.	8.0	237
23	From Plk1 to Plk5. Cell Cycle, 2011, 10, 2255-2262.	2.6	227
24	The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede Strigamia maritima. PLoS Biology, 2014, 12, e1002005.	5.6	221
25	Premetazoan genome evolution and the regulation of cell differentiation in the choanoflagellate Salpingoeca rosetta. Genome Biology, 2013, 14, R15.	9.6	219
26	Genomics and evolution of protein phosphatases. Science Signaling, 2017, 10, .	3.6	206
27	The protist, Monosiga brevicollis , 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.	7.1	191
28	Evolution of the chalcone-isomerase fold from fatty-acid binding to stereospecific catalysis. Nature, 2012, 485, 530-533.	27.8	191
29	Quantitative exploration of the catalytic landscape separating divergent plant sesquiterpene synthases. Nature Chemical Biology, 2008, 4, 617-623.	8.0	184
30	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.	3.3	180
31	HSF-1â€"mediated cytoskeletal integrity determines thermotolerance and life span. Science, 2014, 346, 360-363.	12.6	174
32	Activation Mechanism of Oncogenic Deletion Mutations in BRAF, EGFR, and HER2. Cancer Cell, 2016, 29, 477-493.	16.8	171
33	The F Box Protein Fbx6 Regulates Chk1 Stability and Cellular Sensitivity to Replication Stress. Molecular Cell, 2009, 35, 442-453.	9.7	170
34	Assessment of computational methods for predicting the effects of missense mutations in human cancers. BMC Genomics, 2013, 14, S7.	2.8	153
35	The Dictyostelium Kinomeâ€"Analysis of the Protein Kinases from a Simple Model Organism. PLoS Genetics, 2006, 2, e38.	3.5	150
36	The Raine Syndrome Protein FAM20C Is a Golgi Kinase That Phosphorylates Bio-Mineralization Proteins. PLoS ONE, 2012, 7, e42988.	2.5	141

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37	The minimal kinome of Giardia lamblia illuminates early kinase evolution and unique parasite biology. Genome Biology, 2011, 12, R66.	8.8	123
38	Genomic Survey of Premetazoans Shows Deep Conservation of Cytoplasmic Tyrosine Kinases and Multiple Radiations of Receptor Tyrosine Kinases. Science Signaling, 2012, 5, ra35.	3.6	108
39	The STE20 Kinase HGK Is Broadly Expressed in Human Tumor Cells and Can Modulate Cellular Transformation, Invasion, and Adhesion. Molecular and Cellular Biology, 2003, 23, 2068-2082.	2.3	103
40	Members of the NIMA-related Kinase Family Promote Disassembly of Cilia by Multiple Mechanisms. Molecular Biology of the Cell, 2006, 17, 2799-2810.	2.1	100
41	Mutational Alteration of Human Immunodeficiency Virus Type 1 Vif Allows for Functional Interaction with Nonhuman Primate APOBEC3G. Journal of Virology, 2006, 80, 5984-5991.	3.4	99
42	Plk5, a Polo Box Domain-Only Protein with Specific Roles in Neuron Differentiation and Glioblastoma Suppression. Molecular and Cellular Biology, 2011, 31, 1225-1239.	2.3	99
43	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.	2.8	95
44	Genomic overview of protein kinases. WormBook, 2005, , 1-19.	5.3	90
45	The sea urchin kinome: A first look. Developmental Biology, 2006, 300, 180-193.	2.0	84
46	Viral MLKL Homologs Subvert Necroptotic Cell Death by Sequestering Cellular RIPK3. Cell Reports, 2019, 28, 3309-3319.e5.	6.4	83
47	Discovery of a metabolic alternative to the classical mevalonate pathway. ELife, 2013, 2, e00672.	6.0	83
48	Structural and functional analysis of PTPMT1, a phosphatase required for cardiolipin synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11860-11865.	7.1	58
49	Comparative Analysis of Histophilus somni Immunoglobulin-binding Protein A (IbpA) with Other Fic Domain-containing Enzymes Reveals Differences in Substrate and Nucleotide Specificities. Journal of Biological Chemistry, 2011, 286, 32834-32842.	3.4	58
50	Whole animal cell sorting of Drosophila embryos. Science, 1991, 251, 81-85.	12.6	51
51	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
52	HER2 is not a cancer subtype but rather a pan-cancer event and is highly enriched in AR-driven breast tumors. Breast Cancer Research, 2018, 20, 8.	5.0	44
53	Insulin Biosynthetic Interaction Network Component, TMEM24, Facilitates Insulin Reserve Pool Release. Cell Reports, 2013, 4, 921-930.	6.4	38
54	The genomic landscape of metastatic breast cancer: Insights from 11,000 tumors. PLoS ONE, 2020, 15, e0231999.	2.5	36

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55	Bioinformatics analysis of thousands of TCGA tumors to determine the involvement of epigenetic regulators in human cancer. BMC Genomics, 2015, 16, S5.	2.8	29
56	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.	3.4	16
57	Programmed ribosomal frameshifting in the expression of the regulator of intestinal stem cell proliferation, adenomatous polyposis coli (APC). RNA Biology, 2011, 8, 637-647.	3.1	16
58	Genomics, evolution, and crystal structure of a new family of bacterial spore kinases. Proteins: Structure, Function and Bioinformatics, 2010, 78, 1470-1482.	2.6	15
59	Key challenges for the creation and maintenance of specialist protein resources. Proteins: Structure, Function and Bioinformatics, 2015, 83, 1005-1013.	2.6	13
60	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.	3.0	8
61	How the vertebrates were made: selective pruning of a double-duplicated genome. BMC Biology, 2010, 8, 144.	3.8	7
62	Identification of a Mammalian-type Phosphatidylglycerophosphate Phosphatase in the Eubacterium Rhodopirellula baltica. Journal of Biological Chemistry, 2013, 288, 5176-5185.	3.4	6
63	Eukaryotic Kinomes. , 2010, , 393-397.		3
64	Eukaryotic Kinomes: Genomic Cataloguing of Protein Kinases and Their Evolution. , 2003, , 373-377.		0