Patrick J Hu

List of Publications by Year
in descending order

37 papers	4,606 citations	304743 22 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	3730 citing authors

#	Article	IF	Citations
1	Phosphatidylinositol 3â€²-kinase is activated by association with IRS-1 during insulin stimulation.. EMBO Journal, 1992, 11, 3469-3479.	7.8	923
2	IRS-1 activates phosphatidylinositol 3'-kinase by associating with src homology 2 domains of p85.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10350-10354.	7.1	439
3	Insulin/insulin-like growth factor signaling in C. elegans. WormBook, 2013, , 1-43.	5.3	401
4	Tyrosine phosphorylation of vav proto-oncogene product containing SH2 domain and transcription factor motifs. Nature, 1992, 356, 71-74.	27.8	379
5	Interaction of phosphatidylinositol 3-kinase-associated p85 with epidermal growth factor and platelet-derived growth factor receptors.. Molecular and Cellular Biology, 1992, 12, 981-990.	2.3	353
6	Dauer. WormBook, 2007, , 1-19.	5.3	347
7	Cloning of a novel, ubiquitously expressed human phosphatidylinositol 3-kinase and identification of its binding site on p85.. Molecular and Cellular Biology, 1993, 13, 7677-7688.	2.3	253
8	The SH2 and SH3 domain-containing Nck protein is oncogenic and a common target for phosphorylation by different surface receptors.. Molecular and Cellular Biology, 1992, 12, 5824-5833.	2.3	198
9	SH2 domains exhibit high-affinity binding to tyrosine-phosphorylated peptides yet also exhibit rapid dissociation and exchange.. Molecular and Cellular Biology, 1993, 13, 1449-1455.	2.3	185
10	Phosphatidylinositol 3-kinase p85 SH2 domain specificity defined by direct phosphopeptide/SH2 domain binding. Biochemistry, 1993, 32, 3197-3202.	2.5	165
11	Systematic Interactome Mapping and Genetic Perturbation Analysis of a C. elegans TGF-Î² Signaling Network. Molecular Cell, 2004, 13, 469-482.	9.7	136
12	Phosphatidylinositol 3-Kinase Mediates Epidermal Growth Factor-Induced Activation of the c-Jun N-Terminal Kinase Signaling Pathway. Molecular and Cellular Biology, 1997, 17, 5784-5790.	2.3	127
13	Comparative Metabolomics Reveals Endogenous Ligands of DAF-12, a Nuclear Hormone Receptor, Regulating C.Âelegans Development and Lifespan. Cell Metabolism, 2014, 19, 73-83.	16.2	94
14	Starvation Responses Throughout theCaenorhabditisÂelegansLife Cycle. Genetics, 2020, 216, 837-878.	2.9	75
15	Longevity Genes Revealed by Integrative Analysis of Isoform-Specific daf-16/FoxO Mutants of Caenorhabditis elegans. Genetics, 2015, 201, 613-629.	2.9	63
16	Effects of<scp>C</scp>aenorhabditis elegans sgkâ€1mutations on lifespan, stress resistance, and<scp>DAF</scp>â€16/<scp>F</scp>ox<scp>O</scp>regulation. Aging Cell, 2013, 12, 932-940.	6.7	57
17	EAK-7 Controls Development and Life Span by Regulating Nuclear DAF-16/FoxO Activity. Cell Metabolism, 2010, 12, 30-41.	16.2	47
18	Two Membrane-Associated Tyrosine Phosphatase Homologs Potentiate C. elegans AKT-1/PKB Signaling. PLoS Genetics, 2006, 2, e99.	3.5	42

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19	TATN-1 Mutations Reveal a Novel Role for Tyrosine as a Metabolic Signal That Influences Developmental Decisions and Longevity in Caenorhabditis elegans. PLoS Genetics, 2013, 9, e1004020.	3.5	41
20	Functional divergence of dafachronic acid pathways in the control of C. elegans development and lifespan. Developmental Biology, 2010, 340, 605-612.	2.0	33
21	Training the physician-scientist: views from program directors and aspiring young investigators. JCI Insight, 2018, 3, .	5.0	32
22	Vav: A potential link between tyrosine kinases andRas-like GTPases in hematopoietic cell signaling. BioEssays, 1993, 15, 179-183.	2.5	22
23	A histone H4 lysine 20 methyltransferase couples environmental cues to sensory neuron control of developmental plasticity. Development (Cambridge), 2017, 144, 1273-1282.	2.5	22
24	Requirement for translocon-associated protein (TRAP) Î± in insulin biogenesis. Science Advances, 2019, 5, eaax0292.	10.3	21
25	Influence of Steroid Hormone Signaling on Life Span Control byCaenorhabditis elegansInsulin-Like Signaling. G3: Genes, Genomes, Genetics, 2013, 3, 841-850.	1.8	20
26	Addressing the physician-scientist pipeline: strategies to integrate research into clinical training programs. Journal of Clinical Investigation, 2020, 130, 1058-1061.	8.2	19
27	Caenorhabditis elegans EAK-3 inhibits dauer arrest via nonautonomous regulation of nuclear DAF-16/FoxO activity. Developmental Biology, 2008, 315, 290-302.	2.0	18
28	Modular metabolite assembly in Caenorhabditis elegans depends on carboxylesterases and formation of lysosome-related organelles. ELife, 2020, 9, .	6.0	18
29	Unexpected Role for Dosage Compensation in the Control of Dauer Arrest, Insulin-Like Signaling, and FoxO Transcription Factor Activity inCaenorhabditis elegans. Genetics, 2013, 194, 619-629.	2.9	15
30	Chromoanasynthetic Genomic Rearrangement Identified in a N-Ethyl-N-Nitrosourea (ENU) Mutagenesis Screen in Caenorhabditis elegans. G3: Genes, Genomes, Genetics, 2016, 6, 351-356.	1.8	15
31	Ovarian steroid cell tumor with biallelic adenomatous polyposis coli inactivation in a patient with familial adenomatous polyposis. Genes Chromosomes and Cancer, 2012, 51, 283-289.	2.8	13
32	Whole genome sequencing and the transformation of C. elegans forward genetics. Methods, 2014, 68, 437-440.	3.8	12
33	EAK proteins: novel conserved regulators of C. elegans lifespan. Aging, 2010, 2, 742-747.	3.1	11
34	Pearls of wisdom for aspiring physician-scientist residency applicants and program directors. JCI Insight, 2022, 7, .	5.0	5
35	N-Ethyl-N-Nitrosourea (ENU) Mutagenesis Reveals an Intronic Residue Critical forCaenorhabditis elegans3â€² Splice Site Functionin Vivo. G3: Genes, Genomes, Genetics, 2016, 6, 1751-1756.	1.8	4
36	DANSing with Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7685-7686.	7.1	1

#	Article	IF	Citations
37	Microbiome: Insulin signaling shapes gut community composition. Current Biology, 2021, 31, R803-R806.	3.9	0