

# G Gregory Neely

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

6,245  
citations

126907

33  
h-index

76900

74  
g-index

81  
all docs

81  
docs citations

81  
times ranked

12210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Oxidative Stress and Toll-like Receptor 4 Signaling as a Key Pathway of Acute Lung Injury. <i>Cell</i> , 2008, 133, 235-249.	28.9	1,164
2	The transcriptional landscape of age in human peripheral blood. <i>Nature Communications</i> , 2015, 6, 8570.	12.8	533
3	Targeted Deletion of AIF Decreases Mitochondrial Oxidative Phosphorylation and Protects from Obesity and Diabetes. <i>Cell</i> , 2007, 131, 476-491.	28.9	381
4	Drosophila Genome-wide Obesity Screen Reveals Hedgehog as a Determinant of Brown versus White Adipose Cell Fate. <i>Cell</i> , 2010, 140, 148-160.	28.9	336
5	A Genome-wide Drosophila Screen for Heat Nociception Identifies $\hat{\pm}2\hat{\uparrow}3$ as an Evolutionarily Conserved Pain Gene. <i>Cell</i> , 2010, 143, 628-638.	28.9	283
6	Genome-Wide RNAi Screen Identifies Genes Involved in Intestinal Pathogenic Bacterial Infection. <i>Science</i> , 2009, 325, 340-343.	12.6	277
7	Impaired Heart Contractility in Apelin Gene-Deficient Mice Associated With Aging and Pressure Overload. <i>Circulation Research</i> , 2007, 101, e32-42.	4.5	260
8	A Global In Vivo Drosophila RNAi Screen Identifies NOT3 as a Conserved Regulator of Heart Function. <i>Cell</i> , 2010, 141, 142-153.	28.9	199
9	Gut Microbiota Modifies Olfactory-Guided Microbial Preferences and Foraging Decisions in Drosophila. <i>Current Biology</i> , 2017, 27, 2397-2404.e4.	3.9	156
10	Animal and translational models of SARS-CoV-2 infection and COVID-19. <i>Mucosal Immunology</i> , 2020, 13, 877-891.	6.0	155
11	CD8 T Cell-Mediated Killing of <i>Cryptococcus neoformans</i> Requires Granulysin and Is Dependent on CD4 T Cells and IL-15. <i>Journal of Immunology</i> , 2002, 169, 5787-5795.	0.8	142
12	TrpA1 Regulates Thermal Nociception in Drosophila. <i>PLoS ONE</i> , 2011, 6, e24343.	2.5	140
13	Vav1 Is Essential for Mechanotactic Crawling and Migration of Neutrophils out of the Inflamed Microvasculature. <i>Journal of Immunology</i> , 2009, 182, 6870-6878.	0.8	114
14	Insulin controls food intake and energy balance via NPY neurons. <i>Molecular Metabolism</i> , 2017, 6, 574-584.	6.5	111
15	NK Cells Use Perforin Rather than Granulysin for Anticryptococcal Activity. <i>Journal of Immunology</i> , 2004, 173, 3357-3365.	0.8	100
16	The stress kinase MKK7 couples oncogenic stress to p53 stability and tumor suppression. <i>Nature Genetics</i> , 2011, 43, 212-219.	21.4	96
17	High Dietary Sugar Reshapes Sweet Taste to Promote Feeding Behavior in <i>Drosophila melanogaster</i> . <i>Cell Reports</i> , 2019, 27, 1675-1685.e7.	6.4	94
18	Crag Is a GEF for Rab11 Required for Rhodopsin Trafficking and Maintenance of Adult Photoreceptor Cells. <i>PLoS Biology</i> , 2012, 10, e1001438.	5.6	93

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19	Global redox proteome and phosphoproteome analysis reveals redox switch in Akt. Nature Communications, 2019, 10, 5486.	12.8	89
20	Epiregulin and EGFR interactions are involved in pain processing. Journal of Clinical Investigation, 2017, 127, 3353-3366.	8.2	85
21	Sucralose Promotes Food Intake through NPY and a Neuronal Fasting Response. Cell Metabolism, 2016, 24, 75-90.	16.2	84
22	Non-nutritive sweeteners possess a bacteriostatic effect and alter gut microbiota in mice. PLoS ONE, 2018, 13, e0199080.	2.5	84
23	Different Domains of <i>Pseudomonas aeruginosa</i> Exoenzyme S Activate Distinct TLRs. Journal of Immunology, 2004, 173, 2031-2040.	0.8	72
24	The Genetics of Neuropathic Pain from Model Organisms to Clinical Application. Neuron, 2019, 104, 637-653.	8.1	71
25	Lipopolysaccharide-Stimulated or Granulocyte-Macrophage Colony-Stimulating Factor-Stimulated Monocytes Rapidly Express Biologically Active IL-15 on Their Cell Surface Independent of New Protein Synthesis. Journal of Immunology, 2001, 167, 5011-5017.	0.8	69
26	Identification of ALK in Thinness. Cell, 2020, 181, 1246-1262.e22.	28.9	66
27	The amyotrophic lateral sclerosis 8 protein, VAP, is required for ER protein quality control. Human Molecular Genetics, 2014, 23, 1975-1989.	2.9	59
28	Monocyte Surface-Bound IL-15 Can Function as an Activating Receptor and Participate in Reverse Signaling. Journal of Immunology, 2004, 172, 4225-4234.	0.8	53
29	Nerve injury drives a heightened state of vigilance and neuropathic sensitization in <i>Drosophila</i> . Science Advances, 2019, 5, eaaw4099.	10.3	47
30	<i>Pseudomonas aeruginosa</i> Exoenzyme S Induces Transcriptional Expression of Proinflammatory Cytokines and Chemokines. Infection and Immunity, 2000, 68, 4811-4814.	2.2	44
31	The molecular archaeology of a mitochondrial death effector: AIF in <i>Drosophila</i> . Cell Death and Differentiation, 2008, 15, 1009-1018.	11.2	44
32	The evolutionarily conserved transcription factor PRDM12 controls sensory neuron development and pain perception. Cell Cycle, 2015, 14, 1799-1808.	2.6	43
33	<i>Drosophila</i> as a tool for studying the conserved genetics of pain. Clinical Genetics, 2012, 82, 359-366.	2.0	42
34	Enhanced Sleep Is an Evolutionarily Adaptive Response to Starvation Stress in <i>Drosophila</i> . PLoS ONE, 2015, 10, e0131275.	2.5	39
35	Synthesis and Elastic Characterization of Zinc Oxide Nanowires. Journal of Nanomaterials, 2008, 2008, 1-7.	2.7	37
36	Molecular dissection of box jellyfish venom cytotoxicity highlights an effective venom antidote. Nature Communications, 2019, 10, 1655.	12.8	35

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37	PI3K $\beta$ Protects from Myocardial Ischemia and Reperfusion Injury through a Kinase-Independent Pathway. PLoS ONE, 2010, 5, e9350.	2.5	33
38	The Krebs Cycle Enzyme Isocitrate Dehydrogenase 3A Couples Mitochondrial Metabolism to Synaptic Transmission. Cell Reports, 2017, 21, 3794-3806.	6.4	31
39	Syncrin/hnRNP Q influences synaptic transmission and regulates BMP signaling at the <i>Drosophila</i> neuromuscular synapse. Biology Open, 2014, 3, 839-849.	1.2	30
40	RagC phosphorylation autoregulates mTOR complex 1. EMBO Journal, 2019, 38, .	7.8	26
41	Systematic functional identification of cancer multi-drug resistance genes. Genome Biology, 2020, 21, 27.	8.8	26
42	Genome-wide gene-based analyses of weight loss interventions identify a potential role for NKX6.3 in metabolism. Nature Communications, 2019, 10, 540.	12.8	25
43	Human induced pluripotent stem cell-derived GABAergic interneuron transplants attenuate neuropathic pain. Pain, 2020, 161, 379-387.	4.2	25
44	Long-term male-specific chronic pain via telomere- and p53-mediated spinal cord cellular senescence. Journal of Clinical Investigation, 2022, 132, .	8.2	25
45	Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) and Inflammatory Stimuli Up-Regulate Secretion of the Soluble GM-CSF Receptor in Human Monocytes: Evidence for Ectodomain Shedding of the Cell Surface GM-CSF Receptor $\alpha$ Subunit. Journal of Immunology, 2002, 169, 5679-5688.	0.8	24
46	PGC1 $\alpha$ Controls Sucrose Taste Sensitization in <i>Drosophila</i> . Cell Reports, 2020, 31, 107480.	6.4	24
47	Construction of a Global Pain Systems Network Highlights Phospholipid Signaling as a Regulator of Heat Nociception. PLoS Genetics, 2012, 8, e1003071.	3.5	23
48	Developing Modern Pain Therapies. Frontiers in Neuroscience, 2019, 13, 1370.	2.8	20
49	PI4KII $\alpha$ phosphorylation by GSK3 directs vesicular trafficking to lysosomes. Biochemical Journal, 2014, 464, 145-156.	3.7	19
50	Neuronal Lamin regulates motor circuit integrity and controls motor function and lifespan. Cell Stress, 2018, 2, 225-232.	3.2	14
51	“STRESSED OUT”: The role of FUS and TDP-43 in amyotrophic lateral sclerosis. International Journal of Biochemistry and Cell Biology, 2020, 126, 105821.	2.8	13
52	Neuroanatomy of pain-deficiency and cross-modal activation in calcium channel subunit (CACN) $\beta$ 3 knockout mice. Brain Structure and Function, 2018, 223, 111-130.	2.3	12
53	Tubulin Polymerization Promoting Protein, Ringmaker, and MAP1B Homolog Futsch Coordinate Microtubule Organization and Synaptic Growth. Frontiers in Cellular Neuroscience, 2019, 13, 192.	3.7	12
54	Dissecting Motor Neuron Disease With <i>Drosophila melanogaster</i> . Frontiers in Neuroscience, 2019, 13, 331.	2.8	12

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55	Microbial Products Activate Monocytic Cells through Detergent-Resistant Membrane Microdomains. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 657-665.	2.9	11
56	Chronic Sucralose or L-Glucose Ingestion Does Not Suppress Food Intake. <i>Cell Metabolism</i> , 2017, 26, 279-280.	16.2	10
57	A genome-wide <i>Drosophila</i> epithelial tumorigenesis screen identifies Tetraspanin 29Fb as an evolutionarily conserved suppressor of Ras-driven cancer. <i>PLoS Genetics</i> , 2018, 14, e1007688.	3.5	10
58	A fruit fly model for studying paclitaxel-induced peripheral neuropathy and hyperalgesia. <i>F1000Research</i> , 2018, 7, 99.	1.6	10
59	Conserved systems and functional genomic assessment of nociception. <i>FEBS Journal</i> , 2013, 280, 5298-5306.	4.7	9
60	Fruit flies as a powerful model to drive or validate pain genomics efforts. <i>Pharmacogenomics</i> , 2013, 14, 1879-1887.	1.3	9
61	A functional substitution in the $\alpha$ -aromatic amino acid decarboxylase enzyme worsens somatic symptoms via a serotonergic pathway. <i>Annals of Neurology</i> , 2019, 86, 168-180.	5.3	9
62	A fruit fly model for studying paclitaxel-induced pain. <i>F1000Research</i> , 2018, 7, 99.	1.6	9
63	Genetic variation of macronutrient tolerance in <i>Drosophila melanogaster</i> . <i>Nature Communications</i> , 2022, 13, 1637.	12.8	9
64	Peripheral $\alpha$ -straightjacket ( $\alpha$ -Ca <sup>2+</sup> channel subunit) expression is required for neuropathic sensitization in <i>Drosophila</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20190287.	4.0	8
65	A simple high throughput assay to evaluate water consumption in the fruit fly. <i>Scientific Reports</i> , 2017, 7, 16786.	3.3	7
66	PRDM12 Is Transcriptionally Active and Required for Nociceptor Function Throughout Life. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 720973.	2.9	7
67	Activity-Dependent Global Downscaling of Evoked Neurotransmitter Release across Glutamatergic Inputs in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2020, 40, 8025-8041.	3.6	6
68	Profiling research on PFAS in wildlife: Protocol of a systematic evidence map and bibliometric analysis. <i>Ecological Solutions and Evidence</i> , 2021, 2, e12106.	2.0	6
69	Multi-ethnic GWAS and meta-analysis of sleep quality identify MPP6 as a novel gene that functions in sleep center neurons. <i>Sleep</i> , 2021, 44, .	1.1	5
70	Thermal processing reduces PFAS concentrations in blue food – A systematic review and meta-analysis. <i>Environmental Pollution</i> , 2022, 304, 119081.	7.5	5
71	TM2D genes regulate Notch signaling and neuronal function in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2021, 17, e1009962.	3.5	5
72	PFAS exposure of humans, animals and the environment: Protocol of an evidence review map and bibliometric analysis. <i>Environment International</i> , 2022, 158, 106973.	10.0	4

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73	TSPAN6 is a suppressor of Ras-driven cancer. <i>Oncogene</i> , 2022, 41, 2095-2105.	5.9	4
74	Evaluating Baseline and Sensitised Heat Nociception in Adult <i>Drosophila</i> . <i>Bio-protocol</i> , 2021, 11, e4079.	0.4	1
75	A strategy for effective latent HIV reactivation using subtherapeutic drug doses. <i>Scientific Reports</i> , 2017, 7, 16644.	3.3	0