

# Nathan E Hall

## List of Publications by Year in descending order

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60  
papers

3,834  
citations

159585

30  
h-index

133252

59  
g-index

63  
all docs

63  
docs citations

63  
times ranked

7506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-genome characterization of chemoresistant ovarian cancer. <i>Nature</i> , 2015, 521, 489-494.	27.8	1,206
2	Zebrafish SPI-1 (PU.1) Marks a Site of Myeloid Development Independent of Primitive Erythropoiesis: Implications for Axial Patterning. <i>Developmental Biology</i> , 2002, 246, 274-295.	2.0	193
3	A Novel Mechanism of G Protein-coupled Receptor Functional Selectivity. <i>Journal of Biological Chemistry</i> , 2008, 283, 29312-29321.	3.4	165
4	The Specificity of Receptor Binding by Vascular Endothelial Growth Factor-D Is Different in Mouse and Man. <i>Journal of Biological Chemistry</i> , 2001, 276, 19166-19171.	3.4	152
5	Identification of Orthosteric and Allosteric Site Mutations in M2 Muscarinic Acetylcholine Receptors That Contribute to Ligand-selective Signaling Bias. <i>Journal of Biological Chemistry</i> , 2010, 285, 7459-7474.	3.4	149
6	Identification of the Epitope for the Epidermal Growth Factor Receptor-specific Monoclonal Antibody 806 Reveals That It Preferentially Recognizes an Untethered Form of the Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 30375-30384.	3.4	122
7	Structure and mechanism of a sub-family of enzymes related to N -acetylneuraminase lyase 1 Edited by F. E. Cohen. <i>Journal of Molecular Biology</i> , 1997, 266, 381-399.	4.2	103
8	Characterization of an Antagonist Interleukin-6 Dimer by Stable Isotope Labeling, Cross-linking, and Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2002, 277, 46487-46492.	3.4	103
9	Structure of the extracellular domains of the human interleukin-6 receptor $\alpha$ -chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15959-15964.	7.1	102
10	High-Level ab Initio Molecular Orbital Calculations of Imine Formation. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4930-4938.	2.5	90
11	CR1/CR2 Interactions Modulate the Functions of the Cell Surface Epidermal Growth Factor Receptor. <i>Journal of Biological Chemistry</i> , 2004, 279, 22387-22398.	3.4	75
12	Autophagy Induction Is a Tor- and Tp53-Independent Cell Survival Response in a Zebrafish Model of Disrupted Ribosome Biogenesis. <i>PLoS Genetics</i> , 2013, 9, e1003279.	3.5	73
13	Comparative analysis of the predicted secretomes of Rosaceae scab pathogens <i>Venturia inaequalis</i> and <i>V. pirina</i> reveals expanded effector families and putative determinants of host range. <i>BMC Genomics</i> , 2017, 18, 339.	2.8	68
14	ARAP3 is transiently tyrosine phosphorylated in cells attaching to fibronectin and inhibits cell spreading in a RhoGAP-dependent manner. <i>Journal of Cell Science</i> , 2004, 117, 6071-6084.	2.0	65
15	Characterization of mouse A33 antigen, a definitive marker for basolateral surfaces of intestinal epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, G500-G510.	3.4	56
16	Zebrafish <i>gcm2</i> is required for gill filament budding from pharyngeal ectoderm. <i>Developmental Biology</i> , 2004, 276, 508-522.	2.0	55
17	De Novo Characterisation of the Greenlip Abalone Transcriptome ( <i>Haliotis laevigata</i> ) with a Focus on the Heat Shock Protein 70 (HSP70) Family. <i>Marine Biotechnology</i> , 2015, 17, 23-32.	2.4	52
18	Solvation Effects on Zwitterion Formation. <i>Journal of Physical Chemistry A</i> , 1998, 102, 3985-3990.	2.5	45

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19	A serine-arginine-rich (SR) splicing factor modulates alternative splicing of over a thousand genes in <i>Toxoplasma gondii</i> . <i>Nucleic Acids Research</i> , 2015, 43, 4661-4675.	14.5	45
20	G2(MP2,SVP) study of the relationship between the benzyl and troyl radicals, and their cation analogues. <i>Chemical Physics Letters</i> , 1997, 279, 165-171.	2.6	44
21	Abnormal Nuclear Pore Formation Triggers Apoptosis in the Intestinal Epithelium of elys-Deficient Zebrafish. <i>Gastroenterology</i> , 2009, 136, 902-911.e7.	1.3	44
22	p50 Cdc37 Can Buffer the Temperature-Sensitive Properties of a Mutant of Hck. <i>Molecular and Cellular Biology</i> , 2000, 20, 6984-6995.	2.3	41
23	Distinct requirements for the Sprouty domain for functional activity of Spred proteins. <i>Biochemical Journal</i> , 2005, 388, 445-454.	3.7	41
24	Mutation of the nuclear lamin gene <i>LMNB2</i> in progressive myoclonus epilepsy with early ataxia. <i>Human Molecular Genetics</i> , 2015, 24, 4483-4490.	2.9	41
25	Identification of Ligand-binding Site III on the Immunoglobulin-like Domain of the Granulocyte Colony-stimulating Factor Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 36779-36787.	3.4	40
26	Duplicate Zebrafish <i>pth</i> Genes Are Expressed along the Lateral Line and in the Central Nervous System during Embryogenesis. <i>Endocrinology</i> , 2005, 146, 547-551.	2.8	39
27	Exploring the utility of human DNA methylation arrays for profiling mouse genomic DNA. <i>Genomics</i> , 2013, 102, 38-46.	2.9	36
28	Bidirectional Expression of Metabolic, Structural, and Immune Pathways in Early Myopia and Hyperopia. <i>Frontiers in Neuroscience</i> , 2016, 10, 390.	2.8	36
29	Identification and Characterization of Harc, a Novel Hsp90-associating Relative of Cdc37. <i>Journal of Biological Chemistry</i> , 2001, 276, 30971-30979.	3.4	34
30	Structural Determinants Defining the Allosteric Inhibition of an Essential Antibiotic Target. <i>Structure</i> , 2016, 24, 1282-1291.	3.3	34
31	Disulfide Bond Structure and N-Glycosylation Sites of the Extracellular Domain of the Human Interleukin-6 Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 7207-7215.	3.4	30
32	Whole mitochondrial genome of the Ram's Horn Squid shines light on the phylogenetic position of the monotypic order Spirulida (Haeckel, 1896). <i>Molecular Phylogenetics and Evolution</i> , 2017, 109, 296-301.	2.7	30
33	The interaction of G-CSF with its receptor. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 3181.	3.0	29
34	Determination of the Disulfide Structure and N-Glycosylation Sites of the Extracellular Domain of the Human Signal Transducer gp130. <i>Journal of Biological Chemistry</i> , 2001, 276, 8244-8253.	3.4	26
35	Atomic radii: Incorporation of solvation effects. <i>Journal of Computational Chemistry</i> , 1998, 19, 1482-1493.	3.3	24
36	PLAG1 deficiency impairs spermatogenesis and sperm motility in mice. <i>Scientific Reports</i> , 2017, 7, 5317.	3.3	24

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37	Proteogenomic Analysis of the <i>Venturia pirina</i> (Pear Scab Fungus) Secretome Reveals Potential Effectors. <i>Journal of Proteome Research</i> , 2014, 13, 3635-3644.	3.7	23
38	Combined Transcriptomic and Proteomic Analysis of the Posterior Salivary Gland from the Southern Blue-Ringed Octopus and the Southern Sand Octopus. <i>Journal of Proteome Research</i> , 2016, 15, 3284-3297.	3.7	22
39	Outlier SNPs enable food traceability of the southern rock lobster, <i>Jasus edwardsii</i> . <i>Marine Biology</i> , 2016, 163, 1.	1.5	22
40	Epipodial Tentacle Gene Expression and Predetermined Resilience to Summer Mortality in the Commercially Important Greenlip Abalone, <i>Haliotis laevigata</i> . <i>Marine Biotechnology</i> , 2017, 19, 191-205.	2.4	22
41	Using Transcriptomics to Identify Differential Gene Expression in Response to Salinity among Australian <i>Phragmites australis</i> Clones. <i>Frontiers in Plant Science</i> , 2016, 7, 432.	3.6	21
42	Outlier SNPs detect weak regional structure against a background of genetic homogeneity in the Eastern Rock Lobster, <i>Sagmariasus verreauxi</i> . <i>Marine Biology</i> , 2018, 165, 1.	1.5	20
43	Some ab initio valence bond studies of N <sub>2</sub> O and CO <sub>2</sub> . <i>Computational and Theoretical Chemistry</i> , 1995, 342, 59-71.	1.5	19
44	Eve-3: A liver enriched suppressor of Ras/MAPK signaling. <i>Journal of Hepatology</i> , 2006, 44, 758-767.	3.7	16
45	A combined proteomic and transcriptomic analysis of slime secreted by the southern bottletail squid, <i>Sepiadarium austrinum</i> (Cephalopoda). <i>Journal of Proteomics</i> , 2016, 148, 170-182.	2.4	14
46	The transcriptomic response of <i>Streptococcus pneumoniae</i> following exposure to cigarette smoke extract. <i>Scientific Reports</i> , 2018, 8, 15716.	3.3	14
47	RNA-seq and GSEA identifies suppression of ligand-gated chloride efflux channels as the major gene pathway contributing to form deprivation myopia. <i>Scientific Reports</i> , 2021, 11, 5280.	3.3	14
48	The complete mitochondrial genome of <i>Haliotis laevigata</i> (Gastropoda: Haliotidae) using MiSeq and HiSeq sequencing. <i>Mitochondrial DNA</i> , 2016, 27, 437-438.	0.6	13
49	The effect of commercial, natural and grape seed extract supplemented diets on gene expression signatures and survival of greenlip abalone ( <i>Haliotis laevigata</i> ) during heat stress. <i>Aquaculture</i> , 2017, 479, 798-807.	3.5	13
50	APOBEC and ADAR deaminases may cause many single nucleotide polymorphisms curated in the OMIM database. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2018, 810, 33-38.	1.0	9
51	Homology Modeling of GPCRs. <i>Methods in Molecular Biology</i> , 2009, 552, 97-113.	0.9	9
52	PLAG1 expression and target genes in the hypothalamo-pituitary system in male mice. <i>Molecular and Cellular Endocrinology</i> , 2018, 478, 77-83.	3.2	8
53	Gene expression differences between abalone that are susceptible and resilient to a simulated heat wave event. <i>Aquaculture</i> , 2020, 526, 735317.	3.5	7
54	TRAIL causes deletions at the HPRT and TK1 loci of clonogenically competent cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 787, 15-31.	1.0	5

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55	Characterisation of duplicate zinc finger like 2 erythroid precursor genes in zebrafish. <i>Development Genes and Evolution</i> , 2006, 216, 523-529.	0.9	4
56	The complete mitochondrial genome of the pygmy squid, <i>Idiosepius</i> (Cephalopoda: Decapodiformes): the first representative from the family <i>Idiosepiidae</i> . <i>Mitochondrial DNA</i> , 2016, 27, 5-6.	0.6	4
57	Blood and saliva-derived exomes from healthy Caucasian subjects do not display overt evidence of somatic mosaicism. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2020, 821, 111705.	1.0	2
58	Predicting clinical outcomes using cancer progression associated signatures. <i>Oncotarget</i> , 2021, 12, 845-858.	1.8	1
59	De novodesign of $\beta$ -helical polypeptides. <i>Growth Factors</i> , 2007, 25, 168-190.	1.7	0
60	Binding and functional characterisation of allosteric agonists at M2 muscarinic acetylcholine receptors. <i>FASEB Journal</i> , 2008, 22, 724.6.	0.5	0