Thomas D Gilmore

List of Publications by Year in Descending Order

88 papers	7,385 citations	39 h-index	85 g-index
97 ext. papers	8,063 ext. citations	7.8 avg, IF	6.62 L-index

#	Paper	IF	Citations
88	NF-B and Human Cancer: What Have We Learned over the Past 35 Years?. *Biomedicines*, **2021**, 9,	4.8	8
87	Molecular and Biochemical Approaches to Study the Evolution of NF-B Signaling in Basal Metazoans. *Methods in Molecular Biology*, **2021**, 2366, 67-91	1.4	1
86	Comparison of NF-B from the protists Capsaspora owczarzaki and Acanthoeca spectabilis reveals extensive evolutionary diversification of this transcription factor.. *Communications Biology*, **2021**, 4, 1404	6.7	0
85	Looking Down on NF-B. *Molecular and Cellular Biology*, **2020**, 40,	4.8	28
84	Transcription factor NF-B in a basal metazoan, the sponge, has conserved and unique sequences, activities, and regulation. *Developmental and Comparative Immunology*, **2020**, 104, 103559	3.2	6
83	CRISPR/Cas9-based editing of a sensitive transcriptional regulatory element to achieve cell type-specific knockdown of the NEMO scaffold protein. *PLoS ONE*, **2019**, 14, e0222588	3.7	1
82	A Central Region of NF-B Essential Modulator Is Required for IKK-Induced Conformational Change and for Signal Propagation. *Biochemistry*, **2019**, 58, 2906-2920	3.2	4
81	Innate immunity and cnidarian-Symbiodiniaceae mutualism. *Developmental and Comparative Immunology*, **2019**, 90, 199-209	3.2	26
80	Evolutionary Origins of Toll-like Receptor Signaling. *Molecular Biology and Evolution*, **2018**, 35, 1576-1587	8.3	66
79	A conserved Toll-like receptor-to-NF-B signaling pathway in the endangered coral Orbicella faveolata. *Developmental and Comparative Immunology*, **2018**, 79, 128-136	3.2	30
78	Intraspecific variation in oxidative stress tolerance in a model cnidarian: Differences in peroxide sensitivity between and within populations of Nematostella vectensis. *PLoS ONE*, **2018**, 13, e0188265	3.7	8
77	Transcription factor NF-B is modulated by symbiotic status in a sea anemone model of cnidarian bleaching. *Scientific Reports*, **2017**, 7, 16025	4.9	31
76	Sea anemone model has a single Toll-like receptor that can function in pathogen detection, NF-B signal transduction, and development. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E10122-E10131	11.5	36
75	Adaptive Significance of ER Splice Variants in Killifish (Fundulus heteroclitus) Resident in an Estrogenic Environment. *Endocrinology*, **2016**, 157, 2294-308	4.8	7
74	Evidence for an oncogenic modifier role for mutant histone acetyltransferases in diffuse large B-cell lymphoma. *Leukemia and Lymphoma*, **2016**, 57, 2661-71	1.9	2
73	Inhibition of Oncogenic Transcription Factor REL by the Natural Product Derivative Calafianin Monomer 101 Induces Proliferation Arrest and Apoptosis in Human B-Lymphoma Cell Lines. *Molecules*, **2015**, 20, 7474-94	4.8	2
72	Histone acetyltransferases and histone deacetylases in B- and T-cell development, physiology and malignancy. *Genes and Cancer*, **2015**, 6, 184-213	2.9	68

71	N- and C-terminal non-conserved residues contribute to transactivation by a sea anemone (Nematostella vectensis) NF-B transcription factor. *Bios*, **2015**, 86, 165-175	0.2	2
70	Methods for assessing the in vitro transforming activity of NF-B transcription factor c-Rel and related proteins. *Methods in Molecular Biology*, **2015**, 1280, 427-46	1.4	2
69	Characterizing the DNA binding site specificity of NF-B with protein-binding microarrays (PBMs). *Methods in Molecular Biology*, **2015**, 1280, 609-30	1.4	10
68	Methods for analyzing the evolutionary relationship of NF-B proteins using free, web-driven bioinformatics and phylogenetic tools. *Methods in Molecular Biology*, **2015**, 1280, 631-46	1.4	3
67	Histone acetyltransferase-deficient p300 mutants in diffuse large B cell lymphoma have altered transcriptional regulatory activities and are required for optimal cell growth. *Molecular Cancer*, **2014**, 13, 29	42.1	18
66	Disulfide-mediated stabilization of the IB kinase binding domain of NF-B essential modulator (NEMO). *Biochemistry*, **2014**, 53, 7929-44	3.2	7
65	Identification of an NF-B p50/p65-responsive site in the human MIR155HG promoter. *BMC Molecular Biology*, **2013**, 14, 24	4.5	41
64	NF-B is required for cnidocyte development in the sea anemone Nematostella vectensis. *Developmental Biology*, **2013**, 373, 205-15	3.1	25
63	Characterizing the spatiotemporal expression of RNAs and proteins in the starlet sea anemone, Nematostella vectensis. *Nature Protocols*, **2013**, 8, 900-15	18.8	43
62	Microinjection of mRNA or morpholinos for reverse genetic analysis in the starlet sea anemone, Nematostella vectensis. *Nature Protocols*, **2013**, 8, 924-34	18.8	55
61	Isolation of DNA, RNA and protein from the starlet sea anemone Nematostella vectensis. *Nature Protocols*, **2013**, 8, 892-9	18.8	21
60	Mutation of nonessential cysteines shows that the NF-B essential modulator forms a constitutive noncovalent dimer that binds IB kinase- with high affinity. *Biochemistry*, **2013**, 52, 9141-54	3.2	12
59	The sensitivity of diffuse large B-cell lymphoma cell lines to histone deacetylase inhibitor-induced apoptosis is modulated by BCL-2 family protein activity. *PLoS ONE*, **2013**, 8, e62822	3.7	28
58	Mutation of Non-Essential Cysteines Leads to Highly Soluble and Active Recombinant Full-Length NEMO. *FASEB Journal*, **2013**, 27, 1033.7	0.9	
57	NF-B: where did it come from and why?. *Immunological Reviews*, **2012**, 246, 14-35	11.3	174
56	Bcl-XL, but not Bcl-2, can protect human B-lymphoma cell lines from parthenolide-induced apoptosis. *Cancer Letters*, **2012**, 318, 53-60	9.9	12
55	A rearranged EP300 gene in the human B-cell lymphoma cell line RC-K8 encodes a disabled transcriptional co-activator that contributes to cell growth and oncogenicity. *Cancer Letters*, **2011**, 302, 76-83	9.9	12
54	Two polymorphic residues account for the differences in DNA binding and transcriptional activation by NF-B proteins encoded by naturally occurring alleles in Nematostella vectensis. *Journal of Molecular Evolution*, **2011**, 73, 325-36	3.1	7

53	Inhibition of NF-B signaling as a strategy in disease therapy. *Current Topics in Microbiology and Immunology*, **2011**, 349, 245-63	3.3	80
52	The c-Rel Transcription Factor in Development and Disease. *Genes and Cancer*, **2011**, 2, 695-711	2.9	97
51	Characterization of the core elements of the NF-B signaling pathway of the sea anemone Nematostella vectensis. *Molecular and Cellular Biology*, **2011**, 31, 1076-87	4.8	41
50	NF-kappaB down-regulates expression of the B-lymphoma marker CD10 through a miR-155/PU.1 pathway. *Journal of Biological Chemistry*, **2011**, 286, 1675-82	5.4	72
49	Histone acetyltransferase p300 is a coactivator for transcription factor REL and is C-terminally truncated in the human diffuse large B-cell lymphoma cell line RC-K8. *Cancer Letters*, **2010**, 291, 237-45	9.9	22
48	Two alleles of NF-kappaB in the sea anemone Nematostella vectensis are widely dispersed in nature and encode proteins with distinct activities. *PLoS ONE*, **2009**, 4, e7311	3.7	39
47	Intermolecular disulfide bond formation in the NEMO dimer requires Cys54 and Cys347. *Biochemical and Biophysical Research Communications*, **2008**, 367, 103-8	3.4	63
46	Alternative splicing in the NF-kappaB signaling pathway. *Gene*, **2008**, 423, 97-107	3.8	50
45	Ser484 and Ser494 in REL are the major sites of IKK phosphorylation in vitro: evidence that IKK does not directly enhance GAL4-REL transactivation. *Gene Expression*, **2008**, 14, 195-205	3.4	5
44	Multiple myeloma: lusting for NF-kappaB. *Cancer Cell*, **2007**, 12, 95-7	24.3	63
43	Rel homology domain-containing transcription factors in the cnidarian Nematostella vectensis. *Development Genes and Evolution*, **2007**, 217, 63-72	1.8	61
42	Inhibition of transcription factor NF-kappaB signaling proteins IKKbeta and p65 through specific cysteine residues by epoxyquinone A monomer: correlation with its anti-cancer cell growth activity. *Biochemical Pharmacology*, **2006**, 71, 634-45	6	71
41	The synthetic epoxyquinoids jesterone dimer and epoxyquinone A monomer induce apoptosis and inhibit REL (human c-Rel) DNA binding in an IkappaBalpha-deficient diffuse large B-cell lymphoma cell line. *Cancer Letters*, **2006**, 241, 69-78	9.9	18
40	Introduction to NF-kappaB: players, pathways, perspectives. *Oncogene*, **2006**, 25, 6680-4	9.2	1697
39	Inhibitors of NF-kappaB signaling: 785 and counting. *Oncogene*, **2006**, 25, 6887-99	9.2	441
38	Transcription factor cross-talk: the estrogen receptor and NF-kappaB. *Trends in Endocrinology and Metabolism*, **2005**, 16, 46-52	8.8	290
37	Immortalized fibroblasts from NF-kappaB RelA knockout mice show phenotypic heterogeneity and maintain increased sensitivity to tumor necrosis factor alpha after transformation by v-Ras. *Oncogene*, **2005**, 24, 6574-83	9.2	38
36	Mutations of tumor necrosis factor alpha-responsive serine residues within the C-terminal transactivation domain of human transcription factor REL enhance its in vitro transforming ability. *Oncogene*, **2005**, 24, 7355-68	9.2	26

35	An Activating Mutation (Ser525Pro) within the Transactivation Domain of REL in Two Patients with Human B-Cell Lymphomas Enhances RELB In Vitro Transforming Activity.. *Blood*, **2005**, 106, 2617-2617	2.2	
34	The Rel/NF-B/IB Signal Transduction Pathway and Cancer **2004**, 241-265		72
33	The c-Rel transcription factor and B-cell proliferation: a deal with the devil. *Oncogene*, **2004**, 23, 2275-86	9.2	119
32	Characterization of a human REL-estrogen receptor fusion protein with a reverse conditional transforming activity in chicken spleen cells. *Oncogene*, **2004**, 23, 7580-7	9.2	8
31	RELevant gene amplification in B-cell lymphomas?. *Blood*, **2004**, 103, 3243-4; author reply 3244-5	2.2	17
30	Stable expression of the avian retroviral oncoprotein v-Rel in avian, mouse, and dog cell lines. *Virology*, **2003**, 316, 9-16	3.6	11
29	Zyxin and paxillin proteins: focal adhesion plaque LIM domain proteins go nuclear. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2003**, 1593, 115-20	4.9	120
28	Deletion of either C-terminal transactivation subdomain enhances the in vitro transforming activity of human transcription factor REL in chicken spleen cells. *Oncogene*, **2003**, 22, 6928-36	9.2	35
27	Mutations within a conserved protein kinase A recognition sequence confer temperature-sensitive and partially defective activities onto mouse c-Rel. *Biochemical and Biophysical Research Communications*, **2003**, 307, 92-9	3.4	7
26	Jesterone dimer, a synthetic derivative of the fungal metabolite jesterone, blocks activation of transcription factor nuclear factor kappaB by inhibiting the inhibitor of kappaB kinase. *Molecular Pharmacology*, **2003**, 64, 123-31	4.3	49
25	The Re1/NF-kappa B/I kappa B signal transduction pathway and cancer. *Cancer Treatment and Research*, **2003**, 115, 241-65	3.5	45
24	Genomic organization and expression of the rearranged REL proto-oncogene in the human B-cell lymphoma cell line RC-K8. *Genes Chromosomes and Cancer*, **2002**, 34, 129-35	5	23
23	Immortalized embryonic mouse fibroblasts lacking the RelA subunit of transcription factor NF-kappaB have a malignantly transformed phenotype. *Oncogene*, **2002**, 21, 2484-92	9.2	46
22	The human B-cell lymphoma cell line RC-K8 has multiple genetic alterations that dysregulate the Rel/NF-kappaB signal transduction pathway. *Oncogene*, **2002**, 21, 8759-68	9.2	47
21	Angiogenesis inhibitor epoxyquinol a: total synthesis and inhibition of transcription factor NF-kappaB. *Organic Letters*, **2002**, 4, 3267-70	6.2	67
20	Rel/NF-kappa B/I kappa B signal transduction in the generation and treatment of human cancer. *Cancer Letters*, **2002**, 181, 1-9	9.9	90
19	Malignant transformation of primary chicken spleen cells by human transcription factor c-Rel. *Oncogene*, **2001**, 20, 7098-103	9.2	78
18	The chicken RelB transcription factor has transactivation sequences and a tissue-specific expression pattern that are distinct from mammalian RelB. *Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications*, **2001**, 4, 266-75		1

17	Three mutations in v-Rel render it resistant to cleavage by cell-death protease caspase-3. *Biochimica Et Biophysica Acta - General Subjects*, **2001**, 1526, 25-36	4	19
16	LIM domain protein Trip6 has a conserved nuclear export signal, nuclear targeting sequences, and multiple transactivation domains. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2001**, 1538, 260-72	4.9	63
15	Total synthesis of the NF-kappa B inhibitor (-)-cycloepoxydon: utilization of tartrate-mediated nucleophilic epoxidation. *Journal of the American Chemical Society*, **2001**, 123, 11308-9	16.4	48
14	Mutant envelope residues confer a transactivation function onto N-terminal sequences of the v-Rel oncoprotein. *Oncogene*, **2000**, 19, 599-607	9.2	15
13	Envelope-dependent transactivation by the retroviral oncoprotein v-Rel is required for efficient malignant transformation of chicken spleen cells. *Oncogene*, **2000**, 19, 3131-7	9.2	2
12	Diverse agents act at multiple levels to inhibit the Rel/NF-kappaB signal transduction pathway. *Oncogene*, **1999**, 18, 6896-909	9.2	197
11	Multiple mutations contribute to the oncogenicity of the retroviral oncoprotein v-Rel. *Oncogene*, **1999**, 18, 6925-37	9.2	167
10	The Rel/NF-kappaB signal transduction pathway: introduction. *Oncogene*, **1999**, 18, 6842-4	9.2	350
9	Control of apoptosis by Rel/NF-kappaB transcription factors. *Oncogene*, **1999**, 18, 6910-24	9.2	1062
8	Characterization of mouse Trip6: a putative intracellular signaling protein. *Gene*, **1999**, 234, 403-9	3.8	34
7	Phosphorylation of IkappaB-alpha inhibits its cleavage by caspase CPP32 in vitro. *Journal of Biological Chemistry*, **1997**, 272, 29419-22	5.4	135
6	A conditional mutant of vRel containing sequences from the human estrogen receptor. *Virology*, **1993**, 193, 160-70	3.6	16
5	The C terminus of the NF-kappa B p50 precursor and an I kappa B isoform contain transcription activation domains. *Nucleic Acids Research*, **1992**, 20, 2453-8	20.1	47
4	NF-kappa B, KBF1, dorsal, and related matters. *Cell*, **1990**, 62, 841-3	56.2	271
3	Different localization of the product of the v-rel oncogene in chicken fibroblasts and spleen cells correlates with transformation by REV-T. *Cell*, **1986**, 44, 791-800	56.2	135
2	Malignant Transformation of Cells by the v-Rel Oncoprotein109-128		4
1	Varied effects of algal symbionts on transcription factor NF-B in a sea anemone and a coral: possible roles in symbiosis and thermotolerance		6