

# Thomas D Gilmore

## List of Publications by Year in descending order

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90  
papers

8,663  
citations

66343

42  
h-index

49909

87  
g-index

97  
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97  
docs citations

97  
times ranked

10689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to NF- $\kappa$ B: players, pathways, perspectives. <i>Oncogene</i> , 2006, 25, 6680-6684.	5.9	1,948
2	Control of apoptosis by Rel/NF- $\kappa$ B transcription factors. <i>Oncogene</i> , 1999, 18, 6910-6924.	5.9	1,135
3	Inhibitors of NF- $\kappa$ B signaling: 785 and counting. <i>Oncogene</i> , 2006, 25, 6887-6899.	5.9	522
4	The Rel/NF- $\kappa$ B signal transduction pathway: introduction. <i>Oncogene</i> , 1999, 18, 6842-6844.	5.9	389
5	Transcription factor cross-talk: the estrogen receptor and NF- $\kappa$ B. <i>Trends in Endocrinology and Metabolism</i> , 2005, 16, 46-52.	7.1	326
6	NF- $\kappa$ B, KBF1, dorsal, and related matters. <i>Cell</i> , 1990, 62, 841-843.	28.9	297
7	NF- $\kappa$ B: where did it come from and why?. <i>Immunological Reviews</i> , 2012, 246, 14-35.	6.0	214
8	Diverse agents act at multiple levels to inhibit the Rel/NF- $\kappa$ B signal transduction pathway. <i>Oncogene</i> , 1999, 18, 6896-6909.	5.9	210
9	Multiple mutations contribute to the oncogenicity of the retroviral oncoprotein v-Rel. <i>Oncogene</i> , 1999, 18, 6925-6937.	5.9	182
10	Different localization of the product of the v-rel oncogene in chicken fibroblasts and spleen cells correlates with transformation by REV-T. <i>Cell</i> , 1986, 44, 791-800.	28.9	158
11	Phosphorylation of I $\kappa$ B- $\beta$ Inhibits Its Cleavage by Caspase CPP32 in Vitro. <i>Journal of Biological Chemistry</i> , 1997, 272, 29419-29422.	3.4	142
12	Evolutionary Origins of Toll-like Receptor Signaling. <i>Molecular Biology and Evolution</i> , 2018, 35, 1576-1587.	8.9	140
13	Zyxin and paxillin proteins: focal adhesion plaque LIM domain proteins go nuclear. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003, 1593, 115-120.	4.1	137
14	The c-Rel transcription factor and B-cell proliferation: a deal with the devil. <i>Oncogene</i> , 2004, 23, 2275-2286.	5.9	133
15	The c-Rel Transcription Factor in Development and Disease. <i>Genes and Cancer</i> , 2011, 2, 695-711.	1.9	113
16	Inhibition of NF- $\kappa$ B Signaling as a Strategy in Disease Therapy. <i>Current Topics in Microbiology and Immunology</i> , 2010, 349, 245-263.	1.1	97
17	Rel/NF- $\kappa$ B/I $\kappa$ B signal transduction in the generation and treatment of human cancer. <i>Cancer Letters</i> , 2002, 181, 1-9.	7.2	96
18	NF- $\kappa$ B Down-regulates Expression of the B-lymphoma Marker CD10 through a miR-155/PU.1 Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 1675-1682.	3.4	85

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19	Malignant transformation of primary chicken spleen cells by human transcription factor c-Rel. <i>Oncogene</i> , 2001, 20, 7098-7103.	5.9	83
20	Intermolecular disulfide bond formation in the NEMO dimer requires Cys54 and Cys347. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 103-108.	2.1	82
21	The Rel/NF- $\kappa$ B/I $\kappa$ B Signal Transduction Pathway and Cancer. , 2004, , 241-265.		80
22	Inhibition of transcription factor NF- $\kappa$ B signaling proteins IKK $\beta$ and p65 through specific cysteine residues by epoxyquinone A monomer: Correlation with its anti-cancer cell growth activity. <i>Biochemical Pharmacology</i> , 2006, 71, 634-645.	4.4	78
23	Histone acetyltransferases and histone deacetylases in B- and T-cell development, physiology and malignancy. <i>Genes and Cancer</i> , 2015, 6, 184-213.	1.9	78
24	Multiple Myeloma: Lusting for NF- $\kappa$ B. <i>Cancer Cell</i> , 2007, 12, 95-97.	16.8	73
25	Microinjection of mRNA or morpholinos for reverse genetic analysis in the starlet sea anemone, <i>Nematostella vectensis</i> . <i>Nature Protocols</i> , 2013, 8, 924-934.	12.0	73
26	Angiogenesis Inhibitor Epoxyquinol A: Total Synthesis and Inhibition of Transcription Factor NF- $\kappa$ B. <i>Organic Letters</i> , 2002, 4, 3267-3270.	4.6	72
27	LIM domain protein Trip6 has a conserved nuclear export signal, nuclear targeting sequences, and multiple transactivation domains. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1538, 260-272.	4.1	71
28	Rel homology domain-containing transcription factors in the cnidarian <i>Nematostella vectensis</i> . <i>Development Genes and Evolution</i> , 2007, 217, 63-72.	0.9	71
29	Characterizing the spatiotemporal expression of RNAs and proteins in the starlet sea anemone, <i>Nematostella vectensis</i> . <i>Nature Protocols</i> , 2013, 8, 900-915.	12.0	70
30	Sea anemone model has a single Toll-like receptor that can function in pathogen detection, NF- $\kappa$ B signal transduction, and development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10122-E10131.	7.1	66
31	A conserved Toll-like receptor-to-NF- $\kappa$ B signaling pathway in the endangered coral <i>Orbicella faveolata</i> . <i>Developmental and Comparative Immunology</i> , 2018, 79, 128-136.	2.3	65
32	Looking Down on NF- $\kappa$ B. <i>Molecular and Cellular Biology</i> , 2020, 40, .	2.3	64
33	Transcription factor NF- $\kappa$ B is modulated by symbiotic status in a sea anemone model of cnidarian bleaching. <i>Scientific Reports</i> , 2017, 7, 16025.	3.3	63
34	Alternative splicing in the NF- $\kappa$ B signaling pathway. <i>Gene</i> , 2008, 423, 97-107.	2.2	57
35	Total Synthesis of the NF- $\kappa$ B Inhibitor ( $\alpha$ )-Cycloepoxydon: Utilization of Tartrate-Mediated Nucleophilic Epoxidation. <i>Journal of the American Chemical Society</i> , 2001, 123, 11308-11309.	13.7	56
36	Characterization of the Core Elements of the NF- $\kappa$ B Signaling Pathway of the Sea Anemone <i>Nematostella vectensis</i> . <i>Molecular and Cellular Biology</i> , 2011, 31, 1076-1087.	2.3	56

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37	The Rel1/NF-kappa B/I kappa B signal transduction pathway and cancer. <i>Cancer Treatment and Research</i> , 2003, 115, 241-65.	0.5	53
38	Jesterone Dimer, a Synthetic Derivative of the Fungal Metabolite Jesterone, Blocks Activation of Transcription Factor Nuclear Factor $\kappa$ B by Inhibiting the Inhibitor of $\kappa$ B Kinase. <i>Molecular Pharmacology</i> , 2003, 64, 123-131.	2.3	52
39	The human B-cell lymphoma cell line RC-K8 has multiple genetic alterations that dysregulate the Rel/NF- $\kappa$ B signal transduction pathway. <i>Oncogene</i> , 2002, 21, 8759-8768.	5.9	51
40	Innate immunity and cnidarian-Symbiodiniaceae mutualism. <i>Developmental and Comparative Immunology</i> , 2019, 90, 199-209.	2.3	51
41	The C terminus of the NF- $\kappa$ B p50 precursor and an $\kappa$ B isoform contain transcription activation domains. <i>Nucleic Acids Research</i> , 1992, 20, 2453-2458.	14.5	50
42	Immortalized embryonic mouse fibroblasts lacking the RelA subunit of transcription factor NF- $\kappa$ B have a malignantly transformed phenotype. <i>Oncogene</i> , 2002, 21, 2484-2492.	5.9	50
43	Identification of an NF- $\kappa$ B p50/p65-responsive site in the human MIR155HG promoter. <i>BMC Molecular Biology</i> , 2013, 14, 24.	3.0	50
44	Two Alleles of NF- $\kappa$ B in the Sea Anemone <i>Nematostella vectensis</i> Are Widely Dispersed in Nature and Encode Proteins with Distinct Activities. <i>PLoS ONE</i> , 2009, 4, e7311.	2.5	49
45	Isolation of DNA, RNA and protein from the starlet sea anemone <i>Nematostella vectensis</i> . <i>Nature Protocols</i> , 2013, 8, 892-899.	12.0	43
46	Immortalized fibroblasts from NF- $\kappa$ B RelA knockout mice show phenotypic heterogeneity and maintain increased sensitivity to tumor necrosis factor $\alpha$ after transformation by v-Ras. <i>Oncogene</i> , 2005, 24, 6574-6583.	5.9	40
47	NF- $\kappa$ B is required for cnidocyte development in the sea anemone <i>Nematostella vectensis</i> . <i>Developmental Biology</i> , 2013, 373, 205-215.	2.0	39
48	Histone acetyltransferase-deficient p300 mutants in diffuse large B cell lymphoma have altered transcriptional regulatory activities and are required for optimal cell growth. <i>Molecular Cancer</i> , 2014, 13, 29.	19.2	38
49	Characterization of mouse Trip6: a putative intracellular signaling protein. <i>Gene</i> , 1999, 234, 403-409.	2.2	37
50	Deletion of either C-terminal transactivation subdomain enhances the in vitro transforming activity of human transcription factor REL in chicken spleen cells. <i>Oncogene</i> , 2003, 22, 6928-6936.	5.9	37
51	The Sensitivity of Diffuse Large B-Cell Lymphoma Cell Lines to Histone Deacetylase Inhibitor-Induced Apoptosis Is Modulated by BCL-2 Family Protein Activity. <i>PLoS ONE</i> , 2013, 8, e62822.	2.5	28
52	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. <i>Oncogene</i> , 2005, 24, 7355-7368.	5.9	27
53	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. <i>Cancer Letters</i> , 2010, 291, 237-245.	7.2	25
54	Characterizing the DNA Binding Site Specificity of NF- $\kappa$ B with Protein-Binding Microarrays (PBMs). <i>Methods in Molecular Biology</i> , 2015, 1280, 609-630.	0.9	25

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55	Genomic organization and expression of the rearranged REL proto-oncogene in the human B-cell lymphoma cell line RC-K8. <i>Genes Chromosomes and Cancer</i> , 2002, 34, 129-135.	2.8	23
56	A Conditional Mutant of vRel Containing Sequences from the Human Estrogen Receptor. <i>Virology</i> , 1993, 193, 160-170.	2.4	21
57	RELevant gene amplification in B-cell lymphomas?. <i>Blood</i> , 2004, 103, 3243-3245.	1.4	20
58	NF- $\kappa$ B and Human Cancer: What Have We Learned over the Past 35 Years?. <i>Biomedicines</i> , 2021, 9, 889.	3.2	20
59	Three mutations in v-Rel render it resistant to cleavage by cell-death protease caspase-3. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1526, 25-36.	2.4	19
60	The synthetic epoxyquinoids jesterone dimer and epoxyquinone A monomer induce apoptosis and inhibit REL (human c-Rel) DNA binding in an I $\kappa$ B $\alpha$ -deficient diffuse large B-cell lymphoma cell line. <i>Cancer Letters</i> , 2006, 241, 69-78.	7.2	19
61	Mutant envelope residues confer a transactivation function onto N-terminal sequences of the v-Rel oncoprotein. <i>Oncogene</i> , 2000, 19, 599-607.	5.9	16
62	Bcl-XL, but not Bcl-2, can protect human B-lymphoma cell lines from parthenolide-induced apoptosis. <i>Cancer Letters</i> , 2012, 318, 53-60.	7.2	15
63	Intraspecific variation in oxidative stress tolerance in a model cnidarian: Differences in peroxide sensitivity between and within populations of <i>Nematostella vectensis</i> . <i>PLoS ONE</i> , 2018, 13, e0188265.	2.5	15
64	Mutation of Nonessential Cysteines Shows That the NF- $\kappa$ B Essential Modulator Forms a Constitutive Noncovalent Dimer That Binds I $\kappa$ B Kinase- $\beta$ with High Affinity. <i>Biochemistry</i> , 2013, 52, 9141-9154.	2.5	14
65	Transcription factor NF- $\kappa$ B in a basal metazoan, the sponge, has conserved and unique sequences, activities, and regulation. <i>Developmental and Comparative Immunology</i> , 2020, 104, 103559.	2.3	13
66	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. <i>Cancer Letters</i> , 2011, 302, 76-83.	7.2	12
67	Stable expression of the avian retroviral oncoprotein v-Rel in avian, mouse, and dog cell lines. <i>Virology</i> , 2003, 316, 9-16.	2.4	11
68	Characterization of a human REL-estrogen receptor fusion protein with a reverse conditional transforming activity in chicken spleen cells. <i>Oncogene</i> , 2004, 23, 7580-7587.	5.9	11
69	Disulfide-Mediated Stabilization of the I $\kappa$ B Kinase Binding Domain of NF- $\kappa$ B Essential Modulator (NEMO). <i>Biochemistry</i> , 2014, 53, 7929-7944.	2.5	11
70	Two Polymorphic Residues Account for the Differences in DNA Binding and Transcriptional Activation by NF- $\kappa$ B Proteins Encoded by Naturally Occurring Alleles in <i>Nematostella vectensis</i> . <i>Journal of Molecular Evolution</i> , 2011, 73, 325-336.	1.8	10
71	CRISPR/Cas9-based editing of a sensitive transcriptional regulatory element to achieve cell type-specific knockdown of the NEMO scaffold protein. <i>PLoS ONE</i> , 2019, 14, e0222588.	2.5	8
72	Mutations within a conserved protein kinase A recognition sequence confer temperature-sensitive and partially defective activities onto mouse c-Rel. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 92-99.	2.1	7

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73	Adaptive Significance of ER $\alpha$ Splice Variants in Killifish ( <i>Fundulus heteroclitus</i> ) Resident in an Estrogenic Environment. <i>Endocrinology</i> , 2016, 157, 2294-2308.	2.8	7
74	A Central Region of NF- $\kappa$ B Essential Modulator Is Required for IKK $\beta$ -Induced Conformational Change and for Signal Propagation. <i>Biochemistry</i> , 2019, 58, 2906-2920.	2.5	7
75	Ser484 and Ser494 in REL Are the Major Sites of IKK Phosphorylation In Vitro: Evidence That IKK Does Not Directly Enhance GAL4-REL Transactivation. <i>Gene Expression</i> , 2008, 14, 195-205.	1.2	6
76	Evidence for an oncogenic modifier role for mutant histone acetyltransferases in diffuse large B-cell lymphoma. <i>Leukemia and Lymphoma</i> , 2016, 57, 2661-2671.	1.3	4
77	Molecular and Biochemical Approaches to Study the Evolution of NF- $\kappa$ B Signaling in Basal Metazoans. <i>Methods in Molecular Biology</i> , 2021, 2366, 67-91.	0.9	4
78	Malignant Transformation of Cells by the v-Rel Oncoprotein. , 0, , 109-128.		4
79	N- and C-terminal non-conserved residues contribute to transactivation by a sea anemone ( <i>Nematostella vectensis</i> ) NF- $\kappa$ B transcription factor. <i>Bios</i> , 2015, 86, 165-175.	0.0	3
80	Methods for Analyzing the Evolutionary Relationship of NF- $\kappa$ B Proteins Using Free, Web-Driven Bioinformatics and Phylogenetic Tools. <i>Methods in Molecular Biology</i> , 2015, 1280, 631-646.	0.9	3
81	Comparison of NF- $\kappa$ B from the protists <i>Capsaspora owczarzaki</i> and <i>Acanthoeca spectabilis</i> reveals extensive evolutionary diversification of this transcription factor. <i>Communications Biology</i> , 2021, 4, 1404.	4.4	3
82	Envelope-dependent transactivation by the retroviral oncoprotein v-Rel is required for efficient malignant transformation of chicken spleen cells. <i>Oncogene</i> , 2000, 19, 3131-3137.	5.9	2
83	Cyclins D3 and E go hand in hand with Cdk4/6 in diffuse large B-cell lymphoma. <i>Cell Cycle</i> , 2010, 9, 440-449.	2.6	2
84	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. <i>Molecules</i> , 2015, 20, 7474-7494.	3.8	2
85	Methods for Assessing the In Vitro Transforming Activity of NF- $\kappa$ B Transcription Factor c-Rel and Related Proteins. <i>Methods in Molecular Biology</i> , 2015, 1280, 427-446.	0.9	2
86	Cyclins D3 and E go hand in hand with Cdk4/6 in diffuse large B-cell lymphoma. <i>Cell Cycle</i> , 2010, 9, 448-9.	2.6	2
87	The Chicken RelB Transcription Factor Has Transactivation Sequences and a Tissue-Specific Expression Pattern That Are Distinct from Mammalian RelB. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 2001, 4, 266-275.	1.6	1
88	An Activating Mutation (Ser525Pro) within the Transactivation Domain of REL Enhances REL's In Vitro Transforming Activity.. <i>Blood</i> , 2005, 106, 2617-2617.	1.4	0
89	Mutation of Non-Essential Cysteines Leads to Highly Soluble and Active Recombinant Full-Length NEMO. <i>FASEB Journal</i> , 2013, 27, 1033.7.	0.5	0
90	Cellular Immunology: Transcriptional Basis of B and T Cell Lineages and Memory Cells - NF- $\kappa$ B and the Immune System. , 2022, , .		0