Thomas D Gilmore

List of Publications by Year
in descending order

90 papers	8,663 citations	66343 42 h-index	49909 87 g-index
97 all docs	97 docs citations	97 times ranked	10689 citing authors

#	Article	IF	Citations
1	Cellular Immunology: Transcriptional Basis of B and T Cell Lineages and Memory Cells â˜ NF-kappaB and the Immune System. , 2022, , .		0
2	NF-ÎºB and Human Cancer: What Have We Learned over the Past 35 Years?. Biomedicines, 2021, 9, 889.	3.2	20
3	Molecular and Biochemical Approaches to Study the Evolution of NF-ÎºB Signaling in Basal Metazoans. Methods in Molecular Biology, 2021, 2366, 67-91.	0.9	4
4	Comparison of NF-ÎºB from the protists Capsaspora owczarzaki and Acanthoeca spectabilis reveals extensive evolutionary diversification of this transcription factor. Communications Biology, 2021, 4, 1404.	4.4	3
5	Transcription factor NF-ÎºB in a basal metazoan, the sponge, has conserved and unique sequences, activities, and regulation. Developmental and Comparative Immunology, 2020, 104, 103559.	2.3	13
6	Looking Down on NF-ÎºB. Molecular and Cellular Biology, 2020, 40, .	2.3	64
7	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.	2.5	8
8	A Central Region of NF-ÎºB Essential Modulator Is Required for IKKÎ²-Induced Conformational Change and for Signal Propagation. Biochemistry, 2019, 58, 2906-2920.	2.5	7
9	Innate immunity and cnidarian-Symbiodiniaceae mutualism. Developmental and Comparative Immunology, 2019, 90, 199-209.	2.3	51
10	Evolutionary Origins of Toll-like Receptor Signaling. Molecular Biology and Evolution, 2018, 35, 1576-1587.	8.9	140
11	A conserved Toll-like receptor-to-NF-ÎºB signaling pathway in the endangered coral Orbicella faveolata. Developmental and Comparative Immunology, 2018, 79, 128-136.	2.3	65
12	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.	2.5	15
13	Transcription factor NF-ÎºB is modulated by symbiotic status in a sea anemone model of cnidarian bleaching. Scientific Reports, 2017, 7, 16025.	3.3	63
14	Sea anemone model has a single Toll-like receptor that can function in pathogen detection, NF-ÎºB signal transduction, and development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10122-E10131.	7.1	66
15	Evidence for an oncogenic modifier role for mutant histone acetyltransferases in diffuse large B-cell lymphoma. Leukemia and Lymphoma, 2016, 57, 2661-2671.	1.3	4
16	Adaptive Significance of ERÎ± Splice Variants in Killifish (Fundulus heteroclitus) Resident in an Estrogenic Environment. Endocrinology, 2016, 157, 2294-2308.	2.8	7
17	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, 7474-7494.	3.8	2
18	Histone acetyltransferases and histone deacetylases in B- and T-cell development, physiology and malignancy. Genes and Cancer, 2015, 6, 184-213.	1.9	78

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19	N- and C-terminal non-conserved residues contribute to transactivation by a sea anemone (Nematostella vectensis) NF-ÎºB transcription factor. Bios, 2015, 86, 165-175.	0.0	3
20	Methods for Assessing the In Vitro Transforming Activity of NF-ÎºB Transcription Factor c-Rel and Related Proteins. Methods in Molecular Biology, 2015, 1280, 427-446.	0.9	2
21	Characterizing the DNA Binding Site Specificity of NF-ÎºB with Protein-Binding Microarrays (PBMs). Methods in Molecular Biology, 2015, 1280, 609-630.	0.9	25
22	Methods for Analyzing the Evolutionary Relationship of NF-ÎºB Proteins Using Free, Web-Driven Bioinformatics and Phylogenetic Tools. Methods in Molecular Biology, 2015, 1280, 631-646.	0.9	3
23	Disulfide-Mediated Stabilization of the IÎºB Kinase Binding Domain of NF-ÎºB Essential Modulator (NEMO). Biochemistry, 2014, 53, 7929-7944.	2.5	11
24	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.	19.2	38
25	Identification of an NF-ÎºB p50/p65-responsive site in the human MIR155HG promoter. BMC Molecular Biology, 2013, 14, 24.	3.0	50
26	NF-ÎºB is required for cnidocyte development in the sea anemone Nematostella vectensis. Developmental Biology, 2013, 373, 205-215.	2.0	39
27	Characterizing the spatiotemporal expression of RNAs and proteins in the starlet sea anemone, Nematostella vectensis. Nature Protocols, 2013, 8, 900-915.	12.0	70
28	Microinjection of mRNA or morpholinos for reverse genetic analysis in the starlet sea anemone, Nematostella vectensis. Nature Protocols, 2013, 8, 924-934.	12.0	73
29	Isolation of DNA, RNA and protein from the starlet sea anemone Nematostella vectensis. Nature Protocols, 2013, 8, 892-899.	12.0	43
30	Mutation of Nonessential Cysteines Shows That the NF-ÎºB Essential Modulator Forms a Constitutive Noncovalent Dimer That Binds IÎºB Kinase-Î² with High Affinity. Biochemistry, 2013, 52, 9141-9154.	2.5	14
31	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.	2.5	28
32	Mutation of Nonâ€Essential Cysteines Leads to Highly Soluble and Active Recombinant Fullâ€Length NEMO. FASEB Journal, 2013, 27, 1033.7.	0.5	0
33	Bcl-XL, but not Bcl-2, can protect human B-lymphoma cell lines from parthenolide-induced apoptosis. Cancer Letters, 2012, 318, 53-60.	7.2	15
34	NFâ€ÎºB: where did it come from and why?. Immunological Reviews, 2012, 246, 14-35.	6.0	214
35	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.	7.2	12
36	Two Polymorphic Residues Account for the Differences in DNA Binding and Transcriptional Activation by NF-ÎºB Proteins Encoded by Naturally Occurring Alleles in Nematostella vectensis. Journal of Molecular Evolution, 2011, 73, 325-336.	1.8	10

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37	The c-Rel Transcription Factor in Development and Disease. Genes and Cancer, 2011, 2, 695-711.	1.9	113
38	Characterization of the Core Elements of the NF-Î¹B Signaling Pathway of the Sea Anemone Nematostella vectensis. Molecular and Cellular Biology, 2011, 31, 1076-1087.	2.3	56
39	NF-Î¹B Down-regulates Expression of the B-lymphoma Marker CD10 through a miR-155/PU.1 Pathway. Journal of Biological Chemistry, 2011, 286, 1675-1682.	3.4	85
40	Inhibition of NF-Î¹B Signaling as a Strategy in Disease Therapy. Current Topics in Microbiology and Immunology, 2010, 349, 245-263.	1.1	97
41	Cyclins D3 and E go hand in hand with Cdk4/6 in diffuse large B-cell lymphoma. Cell Cycle, 2010, 9, 440-449.	2.6	2
42	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, 237-245.	7.2	25
43	Cyclins D3 and E go hand in hand with Cdk4/6 in diffuse large B-cell lymphoma. Cell Cycle, 2010, 9, 448-9.	2.6	2
44	Two Alleles of NF-Î¹B in the Sea Anemone Nematostella vectensis Are Widely Dispersed in Nature and Encode Proteins with Distinct Activities. PLoS ONE, 2009, 4, e7311.	2.5	49
45	Intermolecular disulfide bond formation in the NEMO dimer requires Cys54 and Cys347. Biochemical and Biophysical Research Communications, 2008, 367, 103-108.	2.1	82
46	Alternative splicing in the NF-Î¹B signaling pathway. Gene, 2008, 423, 97-107.	2.2	57
47	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.	1.2	6
48	Multiple Myeloma: Lusting for NF-Î¹B. Cancer Cell, 2007, 12, 95-97.	16.8	73
49	Rel homology domain-containing transcription factors in the cnidarian Nematostella vectensis. Development Genes and Evolution, 2007, 217, 63-72.	0.9	71
50	The synthetic epoxyquinoids jesterone dimer and epoxyquinone A monomer induce apoptosis and inhibit REL (human c-Rel) DNA binding in an IÎ¹BÎ±-deficient diffuse large B-cell lymphoma cell line. Cancer Letters, 2006, 241, 69-78.	7.2	19
51	Introduction to NF-Î¹B: players, pathways, perspectives. Oncogene, 2006, 25, 6680-6684.	5.9	1,948
52	Inhibitors of NF-Î¹B signaling: 785 and counting. Oncogene, 2006, 25, 6887-6899.	5.9	522
53	Inhibition of transcription factor NF-Î¹B signaling proteins IKKÎ² and p65 through specific cysteine residues by epoxyquinone A monomer: Correlation with its anti-cancer cell growth activity. Biochemical Pharmacology, 2006, 71, 634-645.	4.4	78
54	Immortalized fibroblasts from NF-Î¹B RelA knockout mice show phenotypic heterogeneity and maintain increased sensitivity to tumor necrosis factor Î± after transformation by v-Ras. Oncogene, 2005, 24, 6574-6583.	5.9	40

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55	Mutations of tumor necrosis factor Î±-responsive serine residues within the C-terminal transactivation domain of human transcription factor REL enhance its in vitro transforming ability. Oncogene, 2005, 24, 7355-7368.	5.9	27
56	Transcription factor cross-talk: the estrogen receptor and NF-ÎºB. Trends in Endocrinology and Metabolism, 2005, 16, 46-52.	7.1	326
57	An Activating Mutation (Ser525Pro) within the Transactivation Domain of REL in Two Patients with Human B-Cell Lymphomas Enhances RELâ€™s In Vitro Transforming Activity.. Blood, 2005, 106, 2617-2617.	1.4	0
58	The Rel/NF-ÎºB/IÎºB Signal Transduction Pathway and Cancer. , 2004, , 241-265.		80
59	The c-Rel transcription factor and B-cell proliferation: a deal with the devil. Oncogene, 2004, 23, 2275-2286.	5.9	133
60	Characterization of a human REL-estrogen receptor fusion protein with a reverse conditional transforming activity in chicken spleen cells. Oncogene, 2004, 23, 7580-7587.	5.9	11
61	RELevant gene amplification in B-cell lymphomas?. Blood, 2004, 103, 3243-3245.	1.4	20
62	Stable expression of the avian retroviral oncoprotein v-Rel in avian, mouse, and dog cell lines. Virology, 2003, 316, 9-16.	2.4	11
63	Zyxin and paxillin proteins: focal adhesion plaque LIM domain proteins go nuclear. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1593, 115-120.	4.1	137
64	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, 6928-6936.	5.9	37
65	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, 92-99.	2.1	7
66	Jesterone Dimer, a Synthetic Derivative of the Fungal Metabolite Jesterone, Blocks Activation of Transcription Factor Nuclear Factor ÎºB by Inhibiting the Inhibitor of ÎºB Kinase. Molecular Pharmacology, 2003, 64, 123-131.	2.3	52
67	The Re1/NF-kappa B/I kappa B signal transduction pathway and cancer. Cancer Treatment and Research, 2003, 115, 241-65.	0.5	53
68	Angiogenesis Inhibitor Epoxyquinol A:â€‰ Total Synthesis and Inhibition of Transcription Factor NF-ÎºB. Organic Letters, 2002, 4, 3267-3270.	4.6	72
69	Rel/NF-ÎºB/IÎºB signal transduction in the generation and treatment of human cancer. Cancer Letters, 2002, 181, 1-9.	7.2	96
70	Genomic organization and expression of the rearrangedREL proto-oncogene in the human B-cell lymphoma cell line RC-K8. Genes Chromosomes and Cancer, 2002, 34, 129-135.	2.8	23
71	Immortalized embryonic mouse fibroblasts lacking the RelA subunit of transcription factor NF-ÎºB have a malignantly transformed phenotype. Oncogene, 2002, 21, 2484-2492.	5.9	50
72	The human B-cell lymphoma cell line RC-K8 has multiple genetic alterations that dysregulate the Rel/NF-ÎºB signal transduction pathway. Oncogene, 2002, 21, 8759-8768.	5.9	51

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73	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, 266-275.	1.6	1
74	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.	2.4	19
75	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, 260-272.	4.1	71
76	Total Synthesis of the NF-ÎºB Inhibitor (â^')-Cycloepoxydon:â€‰ Utilization of Tartrate-Mediated Nucleophilic Epoxidation. Journal of the American Chemical Society, 2001, 123, 11308-11309.	13.7	56
77	Malignant transformation of primary chicken spleen cells by human transcription factor c-Rel. Oncogene, 2001, 20, 7098-7103.	5.9	83
78	Mutant envelope residues confer a transactivation function onto N-terminal sequences of the v-Rel oncoprotein. Oncogene, 2000, 19, 599-607.	5.9	16
79	Envelope-dependent transactivation by the retroviral oncoprotein v-Rel is required for efficient malignant transformation of chicken spleen cells. Oncogene, 2000, 19, 3131-3137.	5.9	2
80	Diverse agents act at multiple levels to inhibit the Rel/NF-ÎºB signal transduction pathway. Oncogene, 1999, 18, 6896-6909.	5.9	210
81	Multiple mutations contribute to the oncogenicity of the retroviral oncoprotein v-Rel. Oncogene, 1999, 18, 6925-6937.	5.9	182
82	The Rel/NF-ÎºB signal transduction pathway: introduction. Oncogene, 1999, 18, 6842-6844.	5.9	389
83	Control of apoptosis by Rel/NF-ÎºB transcription factors. Oncogene, 1999, 18, 6910-6924.	5.9	1,135
84	Characterization of mouse Trip6: a putative intracellular signaling protein. Gene, 1999, 234, 403-409.	2.2	37
85	Phosphorylation of IÎºB-Î± Inhibits Its Cleavage by Caspase CPP32 in Vitro. Journal of Biological Chemistry, 1997, 272, 29419-29422.	3.4	142
86	A Conditional Mutant of vRel Containing Sequences from the Human Estrogen Receptor. Virology, 1993, 193, 160-170.	2.4	21
87	The C terminus of the NF-Ï‡B p50 precursor and an IÏ‡B isoform contain transcription activation domains. Nucleic Acids Research, 1992, 20, 2453-2458.	14.5	50
88	NF-ÎºB, KBF1, dorsal, and related matters. Cell, 1990, 62, 841-843.	28.9	297
89	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.	28.9	158
90	Malignant Transformation of Cells by the v-Rel Oncoprotein. , 0, , 109-128.		4