Roberto Di Lauro

List of Publications by Year
in descending order

129 papers	13,996 citations	24978 57 h-index	20307 116 g-index
133 all docs	133 docs citations	133 times ranked	12494 citing authors

#	Article	IF	Citations
1	Neuronal NCX1 overexpression induces stroke resistance while knockout induces vulnerability via Akt. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1790-1803.	2.4	31
2	Anatomy and Development of the Thyroid. , 2016, , 1257-1277.e5.		1
3	Thyroid Embryogenesis. , 2015, , 1-14.		0
4	The paired box transcription factor Pax8 is essential for function and survival of adult thyroid cells. Molecular and Cellular Endocrinology, 2014, 396, 26-36.	1.6	17
5	Functional Analysis of the MurinePax8Promoter Reveals Autoregulation and the Presence of a Novel Thyroid-Specific DNA-Binding Activity. Thyroid, 2013, 23, 488-496.	2.4	17
6	Wnt4 inhibits cell motility induced by oncogenic Ras. Oncogene, 2013, 32, 4110-4119.	2.6	17
7	Zebrafish bcl2l is a survival factor in thyroid development. Developmental Biology, 2012, 366, 142-152.	0.9	23
8	Upregulation of miR-21 by Ras in vivo and its role in tumor growth. Oncogene, 2011, 30, 275-286.	2.6	130
9	Gene expression profiling at early organogenesis reveals both common and diverse mechanisms in foregut patterning. Developmental Biology, 2011, 359, 163-175.	0.9	52
10	Minireview: Intrinsic and Extrinsic Factors in Thyroid Gland Development: An Update. Endocrinology, 2011, 152, 2948-2956.	1.4	90
11	In vivo role of different domains and of phosphorylation in the transcription factor Nkx2-1. BMC Developmental Biology, 2011, 11, 9.	2.1	41
12	The microRNA-Processing Enzyme Dicer Is Essential for Thyroid Function. PLoS ONE, 2011, 6, e27648.	1.1	52
13	Comparative genomics reveals a functional thyroid-specific element in the far upstream region of the PAX8 gene. BMC Genomics, 2010, 11, 306.	1.2	20
14	Intronic elements in the Na+/I- symporter gene (NIS) interact with retinoic acid receptors and mediate initiation of transcription. Nucleic Acids Research, 2010, 38, 3172-3185.	6.5	23
15	A Locus on Mouse Chromosome 2 Is Involved in Susceptibility to Congenital Hypothyroidism and Contains an Essential Gene Expressed in Thyroid. Endocrinology, 2010, 151, 1948-1958.	1.4	19
16	Anatomy and Development of the Thyroid. , 2010, , 1342-1361.		2
17	Oncogenic Ras Blocks the cAMP Pathway and Dedifferentiates Thyroid Cells Via an Impairment of Pax8 Transcriptional Activity. Molecular Endocrinology, 2009, 23, 838-848.	3.7	16
18	An autoregulatory loop mediated by miR-21 and PDCD4 controls the AP-1 activity in RAS transformation. Oncogene, 2009, 28, 73-84.	2.6	230

#	Article	IF	Citations
19	Thyroid Development. , 2009, , 7-18.		1
20	Kras regulatory elements and exon 4A determine mutation specificity in lung cancer. Nature Genetics, 2008, 40, 1240-1244.	9.4	113
21	Increased levels of d-aspartate in the hippocampus enhance LTP but do not facilitate cognitive flexibility. Molecular and Cellular Neurosciences, 2008, 37, 236-246.	1.0	79
22	The GTP-binding protein Rhes modulates dopamine signalling in striatal medium spiny neurons. Molecular and Cellular Neurosciences, 2008, 37, 335-345.	1.0	68
23	Murine Models for the Study of Thyroid Gland Development. , 2007, 10, 1-14.		24
24	Essential Roles for Fe65, Alzheimer Amyloid Precursor-binding Protein, in the Cellular Response to DNA Damage. Journal of Biological Chemistry, 2007, 282, 831-835.	1.6	45
25	Conditional Inactivation of the E-Cadherin Gene in Thyroid Follicular Cells Affects Gland Development but Does Not Impair Junction Formation. Endocrinology, 2007, 148, 2737-2746.	1.4	42
26	Duox expression and related H2O2 measurement in mouse thyroid: onset in embryonic development and regulation by TSH in adult. Journal of Endocrinology, 2007, 192, 615-626.	1.2	73
27	A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing. Cell, 2007, 129, 1401-1414.	13.5	3,390
28	Missense Mutation in the Transcription Factor NKX2â€“5: A Novel Molecular Event in the Pathogenesis of Thyroid Dysgenesis. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 1428-1433.	1.8	157
29	A physiological mechanism to regulate d-aspartic acid and NMDA levels in mammals revealed by d-aspartate oxidase deficient mice. Gene, 2006, 374, 50-57.	1.0	62
30	PAX8 expression in human bladder cancer. Oncology Reports, 2006, 16, 1015.	1.2	3
31	Functional Inactivation of the Transcription Factor Pax8 through Oligomerization Chain Reaction. Molecular Endocrinology, 2006, 20, 1810-1824.	3.7	25
32	The development of the thyroid gland: what we know and what we would like to know. Current Opinion in Endocrinology, Diabetes and Obesity, 2005, 12, 4-9.	0.6	2
33	Replacement of Kâ€Ras with Hâ€Ras supports normal embryonic development despite inducing cardiovascular pathology in adult mice. EMBO Reports, 2005, 6, 432-437.	2.0	117
34	Proteins, fatty acids and nutritional value in the muscle of the fish speciesMora moro (Risso, 1810). Molecular Nutrition and Food Research, 2005, 49, 926-931.	1.5	12
35	Dose-Dependent Inhibition of Thyroid Differentiation by RAS Oncogenes. Molecular Endocrinology, 2005, 19, 76-89.	3.7	55
36	Pendrin Is a Novel In Vivo Downstream Target Gene of the TTF-1/Nkx-2.1 Homeodomain Transcription Factor in Differentiated Thyroid Cells. Molecular and Cellular Biology, 2005, 25, 10171-10182.	1.1	41

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37	A Mouse Model Demonstrates a Multigenic Origin of Congenital Hypothyroidism. Endocrinology, 2005, 146, 5038-5047.	1.4	108
38	Thyroid Gland Development, Molecular Biology. , 2004, , 456-461.		0
39	The CRE-Like Element Inside the 5â€²-Upstream Region of the Rat Sodium/Iodide Symporter Gene Interacts with Diverse Classes of b-Zip Molecules that Regulate Transcriptional Activities through Strong Synergy with Pax-8. Molecular Endocrinology, 2004, 18, 2817-2829.	3.7	32
40	Minireview: Thyrotropin Receptor Signaling in Development and Differentiation of the Thyroid Gland: Insights from Mouse Models and Human Diseases. Endocrinology, 2004, 145, 4062-4067.	1.4	65
41	Rhes Is Involved in Striatal Function. Molecular and Cellular Biology, 2004, 24, 5788-5796.	1.1	63
42	Thyroid Development and Its Disorders: Genetics and Molecular Mechanisms. Endocrine Reviews, 2004, 25, 722-746.	8.9	552
43	An integrated regulatory network controlling survival and migration in thyroid organogenesis. Developmental Biology, 2004, 276, 464-475.	0.9	161
44	Interplay of negative and positive signals controls endoderm-specific expression of the ascidian Cititf1 gene promoter. Developmental Biology, 2003, 263, 12-23.	0.9	9
45	Unusual number and genomic organization of Hox genes in the tunicate Ciona intestinalis. Gene, 2003, 309, 71-79.	1.0	58
46	The Paired Domain-containing Factor Pax8 and the Homeodomain-containing Factor TTF-1 Directly Interact and Synergistically Activate Transcription. Journal of Biological Chemistry, 2003, 278, 3395-3402.	1.6	123
47	Nonlinear partial differential equations and applications: Role of the thyroid-stimulating hormone receptor signaling in development and differentiation of the thyroid gland. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15462-15467.	3.3	216
48	Hormonal control of the transcription factor Pax8 and its role in the regulation of thyroglobulin gene expression in thyroid cells. Journal of Endocrinology, 2002, 172, 163-176.	1.2	46
49	Cititf1 and endoderm differentiation in Ciona intestinalis. Gene, 2002, 287, 115-119.	1.0	8
50	A Preservation Method That Allows Recovery of Intact RNA from Tissues Dissected by Laser Capture Microdissection. Analytical Biochemistry, 2002, 300, 139-145.	1.1	38
51	Distribution of thetitf2/foxe1 gene product is consistent with an important role in the development of foregut endoderm, palate, and hair. Developmental Dynamics, 2002, 224, 450-456.	0.8	89
52	Basi molecolari dellâ€™ipotiroidismo congenito. L Endocrinologo, 2001, 2, 91-98.	0.0	0
53	Immediate early genes induced by H-Ras in thyroid cells. Oncogene, 2001, 20, 2281-2290.	2.6	5
54	The DNA Glycosylase T:G Mismatch-specific Thymine DNA Glycosylase Represses Thyroid Transcription Factor-1-activated Transcription. Journal of Biological Chemistry, 2001, 276, 33569-33575.	1.6	73

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55	Characterization of the upstream enhancer of the rat sodium/iodide symporter gene. Experimental and Clinical Endocrinology and Diabetes, 2001, 109, 23-26.	0.6	9
56	Isolation and characterization of microsatellite loci in the ascidianCiona intestinalis(L.). Molecular Ecology, 2000, 9, 1924-1926.	2.0	10
57	Pax8 has a key role in thyroid cell differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13144-13149.	3.3	215
58	Multiple Ras Downstream Pathways Mediate Functional Repression of the Homeobox Gene Product TTF-1. Molecular and Cellular Biology, 2000, 20, 2783-2793.	1.1	55
59	The Thyroid Transcription Factor 2 (TTF-2) Is a Promoter-Specific DNA-Binding Independent Transcriptional Repressor. Biochemical and Biophysical Research Communications, 2000, 275, 203-208.	1.0	61
60	A unique combination of transcription factors controls differentiation of thyroid cells. Progress in Molecular Biology and Translational Science, 2000, 66, 307-356.	1.9	184
61	Identification and developmental expression of three Distal-less homeobox containing genes in the ascidian Ciona intestinalis. Mechanisms of Development, 2000, 99, 173-176.	1.7	51
62	Calreticulin Enhances the Transcriptional Activity of Thyroid Transcription Factor-1 by Binding to Its Homeodomain. Journal of Biological Chemistry, 1999, 274, 4640-4645.	1.6	40
63	Ascidian homologs of mammalian thyroid peroxidase genes are expressed in the thyroid-equivalent region of the endostyle. , 1999, 285, 158-169.		94
64	Ascidian Homologs of Mammalian Thyroid Transcription Factor-1 Gene Are Expressed in the Endostyle. Zoological Science, 1999, 16, 559-565.	0.3	31
65	Molecular genetics of congenital hypothyroidism. Current Opinion in Genetics and Development, 1999, 9, 289-294.	1.5	41
66	Cloning, chromosomal localization and identification of polymorphisms in the human thyroid transcription factor 2 gene (TITF2). Biochimie, 1999, 81, 433-440.	1.3	57
67	Structural defects of a Pax8 mutant that give rise to congenital hypothyroidism. Biochemical Journal, 1999, 341, 89-93.	1.7	15
68	Structural defects of a Pax8 mutant that give rise to congenital hypothyroidism. Biochemical Journal, 1999, 341, 89.	1.7	7
69	The Paired-Domain Transcription Factor Pax8 Binds to the Upstream Enhancer of the Rat Sodium/Iodide Symporter Gene and Participates in Both Thyroid-Specific and Cyclic-AMP-Dependent Transcription. Molecular and Cellular Biology, 1999, 19, 2051-2060.	1.1	227
70	Congenital hypothyroidism: searching for its genetic basis. Current Opinion in Endocrinology, Diabetes and Obesity, 1999, 6, 277.	0.6	2
71	A mouse model for hereditary thyroid dysgenesis and cleft palate. Nature Genetics, 1998, 19, 395-398.	9.4	302
72	Concomitant activation of MEK-1 and Rac-1 increases the proliferative potential of thyroid epithelial cells, without affecting their differentiation. Oncogene, 1998, 17, 2047-2057.	2.6	32

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73	PAX8 mutations associated with congenital hypothyroidism caused by thyroid dysgenesis. Nature Genetics, 1998, 19, 83-86.	9.4	446
74	Cihox5 , a new Ciona intestinalis Hox -related gene, is involved in regionalization of the spinal cord. Development Genes and Evolution, 1998, 207, 515-523.	0.4	62
75	Molecular events involved in differentiation of thyroid follicular cells. Molecular and Cellular Endocrinology, 1998, 140, 37-43.	1.6	58
76	Identification of the Thyroid Transcription Factor-1 as a Target for Rat MST2 Kinase. Journal of Biological Chemistry, 1998, 273, 1477-1482.	1.6	16
77	Ha-ras Interference with Thyroid Cell Differentiation Is Associated with a Down-Regulation of Thyroid Transcription Factor-1 Phosphorylation*. Endocrinology, 1998, 139, 2796-2802.	1.4	20
78	Ciona intestinalis nuclear receptor 1: A member of steroid/thyroid hormone receptor family. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 11152-11157.	3.3	44
79	Mutations in the Gene EncodingThyroid Transcription Factor-1 (TTF-1) Are Not a Frequent Cause of Congenital Hypothyroidism (CH) with Thyroid Dysgenesis. Thyroid, 1997, 7, 383-387.	2.4	68
80	Transcriptional Control of the Forkhead Thyroid Transcription Factor TTF-2 by Thyrotropin, Insulin, and Insulin-like Growth Factor I. Journal of Biological Chemistry, 1997, 272, 23334-23339.	1.6	64
81	Transfection of TTF-1 gene induces thyroglobulin gene expression in undifferentiated FRT cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1354, 171-181.	2.4	27
82	TTF-2, a new forkhead protein, shows a temporal expression in the developing thyroid which is consistent with a role in controlling the onset of differentiation. EMBO Journal, 1997, 16, 3185-3197.	3.5	226
83	Hydrogen-deuterium exchange studies of the rat thyroid transcription factor 1 homeodomain. Journal of Biomolecular NMR, 1997, 9, 397-407.	1.6	1
84	Specific cellular localization of tyrosinase mRNA during Ciona intestinalis larval development. Development Growth and Differentiation, 1997, 39, 437-444.	0.6	36
85	Hepatocyte Nuclear Factor 3Î² Participates in the Transcriptional Regulation of the Thyroperoxidase Promoter. Biochemical and Biophysical Research Communications, 1996, 220, 86-93.	1.0	20
86	A molecular code dictates sequence-specific DNA recognition by homeodomains.. EMBO Journal, 1996, 15, 4992-5000.	3.5	87
87	A network of specific minor-groove contacts is a common characteristic of paired-domain-DNA interactions. Biochemical Journal, 1996, 315, 363-367.	1.7	19
88	Transglutaminase activity is related to CAG repeat length in patients with Huntington's disease. Human Genetics, 1996, 98, 633-635.	1.8	40
89	Analysis of the Solution Structure of the Homeodomain of Rat Thyroid Transcription Factor 1 by 1H-NMR Spectroscopy and Restrained Molecular Mechanics. FEBS Journal, 1996, 241, 101-113.	0.2	26
90	Mapping and Functional Role of Phosphorylation Sites in the Thyroid Transcription Factor-1 (TTF-1). Journal of Biological Chemistry, 1996, 271, 2249-2254.	1.6	67

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91	Redundant Domains Contribute to the Transcriptional Activity of the Thyroid Transcription Factor 1. Journal of Biological Chemistry, 1995, 270, 26649-26656.	1.6	99
92	The DNA Binding Activity and the Dimerization Ability of the Thyroid Transcription Factor I Are Redox Regulated. Journal of Biological Chemistry, 1995, 270, 12048-12055.	1.6	72
93	Cloning of ascidian homeobox genes provides evidence for a primordial chordate cluster. Gene, 1995, 156, 253-257.	1.0	92
94	Molecular events in the differentiation of the thyroid gland. Journal of Endocrinological Investigation, 1995, 18, 117-119.	1.8	22
95	The thyroid transcription factor-1 gene is a candidate target for regulation by Hox proteins.. EMBO Journal, 1994, 13, 3339-3347.	3.5	66
96	The lung-specific surfactant protein B gene promoter is a target for thyroid transcription factor 1 and hepatocyte nuclear factor 3, indicating common factors for organ-specific gene expression along the foregut axis.. Molecular and Cellular Biology, 1994, 14, 5671-5681.	1.1	501
97	Sequence-specific DNA recognition by the thyroid transcription factor-1 homeodomain. Nucleic Acids Research, 1994, 22, 3075-3083.	6.5	119
98	Thyroid-specific gene expression. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1994, 1218, 255-266.	2.4	189
99	Structural study of rat thyroid transcription factor 1 homeodomain (TTF-1 HD) by nuclear magnetic resonance. FEBS Letters, 1993, 336, 397-402.	1.3	13
100	Identification of a cis-regulatory element and a thyroid-specific nuclear factor mediating the hormonal regulation of rat thyroid peroxidase promoter activity. Molecular Endocrinology, 1993, 7, 1297-1306.	3.7	36
101	Cell-type-specific expression of the rat thyroperoxidase promoter indicates common mechanisms for thyroid-specific gene expression.. Molecular and Cellular Biology, 1992, 12, 576-588.	1.1	208
102	Pax-8, a paired domain-containing protein, binds to a sequence overlapping the recognition site of a homeodomain and activates transcription from two thyroid-specific promoters.. Molecular and Cellular Biology, 1992, 12, 4230-4241.	1.1	292
103	Multiple mechanisms of interference between transformation and differentiation in thyroid cells.. Molecular and Cellular Biology, 1992, 12, 5793-5800.	1.1	101
104	Regional expression of the homeobox gene Nkx-2.2 in the developing mammalian forebrain. Neuron, 1992, 8, 241-255.	3.8	290
105	Efficient thyroid hormone formation by in vitro iodination of a segment of rat thyroglobulin fused to Staphylococcal protein A. FEBS Letters, 1992, 297, 266-270.	1.3	4
106	Insulin and insulin-like growth factor I regulate a thyroid-specific nuclear protein that binds to the thyroglobulin promoter. Molecular Endocrinology, 1992, 6, 1310-1317.	3.7	61
107	A mouse gene related to Distal-less shows a restricted expression in the developing forebrain. Nature, 1991, 351, 748-751.	13.7	277
108	Several regions of Antennapedia and thyroid transcription factor 1 homeodomains contribute to DNA binding specificity.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 5388-5392.	3.3	60

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109	The tissue-specific expression of the thyroglobulin gene requires interaction between thyroid-specific and ubiquitous factors. FEBS Journal, 1990, 193, 311-318.	0.2	87
110	Thyroid nuclear factor 1 (TTF-1) contains a homeodomain and displays a novel DNA binding specificity.. EMBO Journal, 1990, 9, 3631-3639.	3.5	493
111	A thyroid-specific nuclear protein essential for tissue-specific expression of the thyroglobulin promoter.. EMBO Journal, 1989, 8, 2537-2542.	3.5	338
112	The block of thyroglobulin synthesis, which occurs upon transformation of rat thyroid epithelial cells, is at the transcriptional level and it is associated with methylation of the 5â€² flanking region of the gene. Experimental Cell Research, 1989, 183, 277-283.	1.2	15
113	Thyroid Specific Gene Expression. Advances in Experimental Medicine and Biology, 1989, 261, 373-389.	0.8	1
114	Neoplastic transformation inactivates specific trans-acting factor(s) required for the expression of the thyroglobulin gene.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 1744-1748.	3.3	35
115	A cell type specific factor recognizes the rat thyroglobulin promoter. Nucleic Acids Research, 1987, 15, 8149-8166.	6.5	107
116	The complete structure of the rat thyroglobulin gene.. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 323-327.	3.3	72
117	Mapping of human thyroglobulin gene on the long arm of chromosome 8 by in situ hybridization. Human Genetics, 1985, 71, 163-166.	1.8	17
118	The sequence of 967 amino acids at the carboxyl-end of rat thyroglobulin. Location and surroundings of two thyroxine-forming sites. FEBS Journal, 1985, 148, 7-11.	0.2	93
119	Differential expression of thyroglobulin gene in normal and transformed thyroid cells. FEBS Journal, 1985, 149, 467-472.	0.2	22
120	A mos oncogene-containing retrovirus, myeloproliferative sarcoma virus, transforms rat thyroid epithelial cells and irreversibly blocks their differentiation pattern. Journal of Virology, 1985, 56, 284-292.	1.5	37
121	Prediction of the secondary structure of the carboxy-terminal third of rat thyroglobulin. Biochemical and Biophysical Research Communications, 1985, 133, 766-772.	1.0	13
122	Structural organization of the 3â€² half of the rat thyroglobulin gene. Nucleic Acids Research, 1984, 12, 3461-3472.	6.5	42
123	The level of thyroglobulin mRNA is regulated by TSH both in vitro and in vivo. Biochemical and Biophysical Research Communications, 1984, 122, 472-477.	1.0	70
124	Construction of recombinant plasmids containing rat thyroglobulin mRNA sequences. Gene, 1982, 19, 117-125.	1.0	33
125	In vitro synthesis of 300 oo M r rat thyroglobulin subunit. FEBS Letters, 1982, 137, 307-313.	1.3	24
126	Nucleotide sequence of the attenuator region of the histidine operon of Escherichia coli K-12.. Proceedings of the National Academy of Sciences of the United States of America, 1978, 75, 4276-4280.	3.3	113

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127	Nucleotide sequence of the operator-promoter region of the galactose operon of Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1977, 74, 106-110.	3.3	88
128	Dual control for transcription of the galactose operon by cyclic AMP and its receptor protein at two interspersed promoters. Cell, 1977, 12, 847-854.	13.5	265
129	Stimulation of polypeptide synthesis by cyclic 3â€²-5â€²-guanosine monophosphate. Archives of Biochemistry and Biophysics, 1973, 157, 334-338.	1.4	31