Domenico Salvatore

List of Publications by Citations

86 papers	4,486 citations	34 h-index	66 g-index
88 ext. papers	5,083 ext. citations	7.1 avg, IF	5.24 L-index

#	Paper	IF	Citations
86	Biochemistry, cellular and molecular biology, and physiological roles of the iodothyronine selenodeiodinases. *Endocrine Reviews*, **2002**, 23, 38-89	27.2	1299
85	Regional distribution of type 2 thyroxine deiodinase messenger ribonucleic acid in rat hypothalamus and pituitary and its regulation by thyroid hormone. *Endocrinology*, **1997**, 138, 3359-68	4.8	246
84	Thyroid hormones and skeletal muscle--new insights and potential implications. *Nature Reviews Endocrinology*, **2014**, 10, 206-14	15.2	174
83	Type 3 iodothyronine deiodinase is highly expressed in the human uteroplacental unit and in fetal epithelium. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 1384-8	5.6	166
82	Regional expression of the type 3 iodothyronine deiodinase messenger ribonucleic acid in the rat central nervous system and its regulation by thyroid hormone. *Endocrinology*, **1999**, 140, 784-90	4.8	159
81	Sonic hedgehog-induced type 3 deiodinase blocks thyroid hormone action enhancing proliferation of normal and malignant keratinocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14466-71	11.5	134
80	Missense mutation in the transcription factor NKX2-5: a novel molecular event in the pathogenesis of thyroid dysgenesis. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 1428-33	5.6	132
79	The FoxO3/type 2 deiodinase pathway is required for normal mouse myogenesis and muscle regeneration. *Journal of Clinical Investigation*, **2010**, 120, 4021-30	15.9	116
78	Deiodinases: the balance of thyroid hormone: local impact of thyroid hormone inactivation. *Journal of Endocrinology*, **2011**, 209, 273-82	4.7	101
77	Human type 3 iodothyronine selenodeiodinase is located in the plasma membrane and undergoes rapid internalization to endosomes. *Journal of Biological Chemistry*, **2003**, 278, 1206-11	5.4	97
76	The deiodinases and the control of intracellular thyroid hormone signaling during cellular differentiation. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 3937-45	4	96
75	Characterization of the 5'-flanking and 5'-untranslated regions of the cyclic adenosine 3',5'-monophosphate-responsive human type 2 iodothyronine deiodinase gene. *Endocrinology*, **2000**, 141, 229-37	4.8	88
74	A 21-year-old woman with consumptive hypothyroidism due to a vascular tumor expressing type 3 iodothyronine deiodinase. *Journal of Clinical Endocrinology and Metabolism*, **2002**, 87, 4457-61	5.6	85
73	Catenin regulates deiodinase levels and thyroid hormone signaling in colon cancer cells. *Gastroenterology*, **2012**, 143, 1037-47	13.3	78
72	Intracellular inactivation of thyroid hormone is a survival mechanism for muscle stem cell proliferation and lineage progression. *Cell Metabolism*, **2014**, 20, 1038-48	24.6	75
71	Deiodinases and their intricate role in thyroid hormone homeostasis. *Nature Reviews Endocrinology*, **2019**, 15, 479-488	15.2	73
70	The human type 2 iodothyronine deiodinase is a selenoprotein highly expressed in a mesothelioma cell line. *Journal of Biological Chemistry*, **2001**, 276, 30183-7	5.4	70

69	DIO2 Thr92Ala Reduces Deiodinase-2 Activity and Serum-T3 Levels in Thyroid-Deficient Patients. *Journal of Clinical Endocrinology and Metabolism*, **2017**, 102, 1623-1630	5.6	64
68	Activated Thyroid Hormone Promotes Differentiation and Chemotherapeutic Sensitization of Colorectal Cancer Stem Cells by Regulating Wnt and BMP4 Signaling. *Cancer Research*, **2016**, 76, 1237-44	10.1	60
67	Regional Distribution of Type 2 Thyroxine Deiodinase Messenger Ribonucleic Acid in Rat Hypothalamus and Pituitary and Its Regulation by Thyroid Hormone		60
66	The human, but not rat, dio2 gene is stimulated by thyroid transcription factor-1 (TTF-1). *Molecular Endocrinology*, **2001**, 15, 112-24		57
65	p63 control of desmosome gene expression and adhesion is compromised in AEC syndrome. *Human Molecular Genetics*, **2013**, 22, 531-43	5.6	56
64	Type 2 iodothyronine deiodinase levels are higher in slow-twitch than fast-twitch mouse skeletal muscle and are increased in hypothyroidism. *Endocrinology*, **2010**, 151, 5952-60	4.8	48
63	Regional Expression of the Type 3 Iodothyronine Deiodinase Messenger Ribonucleic Acid in the Rat Central Nervous System and Its Regulation by Thyroid Hormone		46
62	Type 3 deiodinase and solid tumors: an intriguing pair. *Expert Opinion on Therapeutic Targets*, **2013**, 17, 1369-79	6.4	39
61	The different cardiac expression of the type 2 iodothyronine deiodinase gene between human and rat is related to the differential response of the Dio2 genes to Nkx-2.5 and GATA-4 transcription factors. *Molecular Endocrinology*, **2003**, 17, 1508-21		39
60	Transcription factor Nkx-2.5 induces sodium/iodide symporter gene expression and participates in retinoic acid- and lactation-induced transcription in mammary cells. *Molecular and Cellular Biology*, **2004**, 24, 7863-77	4.8	39
59	Are Evidence-Based Guidelines Reflected in Clinical Practice? An Analysis of Prospectively Collected Data of the Italian Thyroid Cancer Observatory. *Thyroid*, **2017**, 27, 1490-1497	6.2	36
58	Type 3 deiodinase and consumptive hypothyroidism: a common mechanism for a rare disease. *Frontiers in Endocrinology*, **2013**, 4, 115	5.7	36
57	Pretranslational regulation of type 2 deiodinase. *Thyroid*, **2005**, 15, 855-64	6.2	35
56	Mutation of the Secys residue 266 in human type 2 selenodeiodinase alters 75Se incorporation without affecting its biochemical properties. *Biochimie*, **1999**, 81, 535-8	4.6	35
55	Thyroid hormone availability in the human fetal brain: novel entry pathways and role of radial glia. *Brain Structure and Function*, **2019**, 224, 2103-2119	4	34
54	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, 10171-82	4.8	34
53	Reciprocal interplay between thyroid hormone and microRNA-21 regulates hedgehog pathway-driven skin tumorigenesis. *Journal of Clinical Investigation*, **2016**, 126, 2308-20	15.9	34
52	Thyroid hormone signaling and deiodinase actions in muscle stem/progenitor cells. *Molecular and Cellular Endocrinology*, **2017**, 459, 79-83	4.4	32

51	Epigenetic control of type 2 and 3 deiodinases in myogenesis: role of Lysine-specific Demethylase enzyme and FoxO3. *Nucleic Acids Research*, **2013**, 41, 3551-62	20.1	31
50	Role of type 3 deiodinase in cancer. *Expert Opinion on Therapeutic Targets*, **2009**, 13, 1363-73	6.4	28
49	Type II iodothyronine deiodinase provides intracellular 3,5,3'-triiodothyronine to normal and regenerating mouse skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism* , **2011**, 301, E818-24	6	27
48	Evaluation of BRAF, RAS, RET/PTC, and PAX8/PPARg alterations in different Bethesda diagnostic categories: A multicentric prospective study on the validity of the 7-gene panel test in 1172 thyroid FNAs deriving from different hospitals in South Italy. *Cancer Cytopathology*, **2020**, 128, 107-118	3.9	26
47	The selective loss of the type 2 iodothyronine deiodinase in mouse thyrotrophs increases basal TSH but blunts the thyrotropin response to hypothyroidism. *Endocrinology*, **2015**, 156, 745-54	4.8	24
46	Consumptive hypothyroidism resulting from hepatic vascular tumors in an athyreotic adult. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, 1966-70	5.6	24
45	The guanosine monophosphate reductase gene is conserved in rats and its expression increases rapidly in brown adipose tissue during cold exposure. *Journal of Biological Chemistry*, **1998**, 273, 31092-6	5.4	24
44	Thyroid Physiology and Diagnostic Evaluation of Patients with Thyroid Disorders **2011**, 327-361		24
43	Management of subclinical hypothyroidism in pregnancy: are we too simplistic?. *European Journal of Endocrinology*, **2015**, 173, P1-P11	6.5	22
42	Identification and functional characterization of a novel mutation in the NKX2-1 gene: comparison with the data in the literature. *Thyroid*, **2013**, 23, 675-82	6.2	21
41	Intronic elements in the Na+/I- symporter gene (NIS) interact with retinoic acid receptors and mediate initiation of transcription. *Nucleic Acids Research*, **2010**, 38, 3172-85	20.1	21
40	Cloning of the rat tissue inhibitor of metalloproteinases type 2 (TIMP-2) gene: analysis of its expression in normal and transformed thyroid cells. *Experimental Cell Research*, **1994**, 213, 398-403	4.2	21
39	The Concerted Action of Type 2 and Type 3 Deiodinases Regulates the Cell Cycle and Survival of Basal Cell Carcinoma Cells. *Thyroid*, **2017**, 27, 567-576	6.2	20
38	Tprg, a gene predominantly expressed in skin, is a direct target of the transcription factor p63. *Journal of Investigative Dermatology*, **2008**, 128, 1676-85	4.3	19
37	Thyroid hormone induces progression and invasiveness of squamous cell carcinomas by promoting a ZEB-1/E-cadherin switch. *Nature Communications*, **2019**, 10, 5410	17.4	18
36	The Thyroid Hormone Inactivating Enzyme Type 3 Deiodinase is Present in Bactericidal Granules and the Cytoplasm of Human Neutrophils. *Endocrinology*, **2016**, 157, 3293-305	4.8	17
35	The thyroid hormone activating enzyme, type 2 deiodinase, induces myogenic differentiation by regulating mitochondrial metabolism and reducing oxidative stress. *Redox Biology*, **2019**, 24, 101228	11.3	16
34	Safety and Quality-of-Life Data from an Italian Expanded Access Program of Lenvatinib for Treatment of Thyroid Cancer. *Thyroid*, **2021**, 31, 224-232	6.2	15

33	The importance of the RET gene in thyroid cancer and therapeutic implications. *Nature Reviews Endocrinology*, **2021**, 17, 296-306	15.2	15
32	Real-World Performance of the American Thyroid Association Risk Estimates in Predicting 1-Year Differentiated Thyroid Cancer Outcomes: A Prospective Multicenter Study of 2000 Patients. *Thyroid*, **2021**, 31, 264-271	6.2	14
31	Studies of molecular mechanisms associated with increased deiodinase 3 expression in a case of consumptive hypothyroidism. *Journal of Clinical Endocrinology and Metabolism*, **2014**, 99, 3965-71	5.6	10
30	Thyroid fine-needle aspiration trends before, during, and after the lockdown: what we have learned so far from the COVID-19 pandemic. *Endocrine*, **2021**, 71, 20-25	4	8
29	Thyroid Hormone Hyposensitivity: From Genotype to Phenotype and Back. *Frontiers in Endocrinology*, **2019**, 10, 912	5.7	7
28	Mice with hepatocyte-specific deficiency of type 3 deiodinase have intact liver regeneration and accelerated recovery from nonthyroidal illness after toxin-induced hepatonecrosis. *Endocrinology*, **2014**, 155, 4061-8	4.8	6
27	Deiodinases: keeping the thyroid hormone supply in balance. *Journal of Endocrinology*, **2011**, 209, 259-60	4.7	6
26	Long-term management of lenvatinib-treated thyroid cancer patients: a real-life experience at a single institution. *Endocrine*, **2021**, 73, 358-366	4	6
25	A Global Loss of Dio2 Leads to Unexpected Changes in Function and Fiber Types of Slow Skeletal Muscle in Male Mice. *Endocrinology*, **2019**, 160, 1205-1222	4.8	5
24	Thyroid Physiology and Diagnostic Evaluation of Patients With Thyroid Disorders **2016**, 333-368		5
23	Local hyperthyroidism promotes pancreatic acinar cell proliferation during acute pancreatitis. *Journal of Pathology*, **2019**, 248, 217-229	9.4	4
22	Teriparatide Replacement Therapy for Hypoparathyroidism During Treatment With Lenvatinib for Advanced Thyroid Cancer: A Case Report. *Frontiers in Endocrinology*, **2018**, 9, 244	5.7	4
21	A Type 2 Deiodinase-Dependent Increase in Mediates Myoblast-Endothelial Cell Crosstalk During Skeletal Muscle Regeneration. *Thyroid*, **2021**, 31, 115-127	6.2	4
20	Deiodinases and Cancer. *Endocrinology*, **2021**, 162,	4.8	3
19	Targeting the right population for T3 + T4 combined therapy: where are we now and where to next?. *Endocrine*, **2020**, 69, 244-248	4	2
18	Do glucocorticoids affect outcome in Graves' disease following radioiodine therapy?. *Nature Clinical Practice Endocrinology and Metabolism*, **2006**, 2, 194-5		2
17	Imaging medullary thyroid cancer patients with detectable serum markers: state of the art and future perspectives. *Endocrine*, **2021**, 1	4	2
16	Thyroid Hormone Enhances Angiogenesis and the Warburg Effect in Squamous Cell Carcinomas. *Cancers*, **2021**, 13,	6.6	2

15	Germ Line Mutations in the Thyroid Hormone Receptor Alpha Gene Predispose to Cutaneous Tags and Melanocytic Nevi. *Thyroid*, **2021**, 31, 1114-1126	6.2	2
14	Inactivation of type 3 Deiodinase Results in Life-Long Changes in Brown Adipose Tissue Transcriptome in the Male Mouse.. *Endocrinology*, **2022**,	4.8	2
13	Activation of the ret oncogene in human thyroid carcinomas. *Rendiconti Lincei*, **1993**, 4, 367-375	1.7	1
12	Thyroid Hormone Action in Muscle Atrophy. *Metabolites*, **2021**, 11,	5.6	1
11	Long-Term Prognostic Value of the Response to Therapy Assessed by Laboratory and Imaging Findings in Patients with Differentiated Thyroid Cancer. *Cancers*, **2021**, 13,	6.6	1
10	Advances in Functional Imaging of Differentiated Thyroid Cancer. *Cancers*, **2021**, 13,	6.6	1
9	The relevance of T in the management of hypothyroidism.. *Lancet Diabetes and Endocrinology,the*, **2022**,	18.1	1
8	Combination of Lenvatinib and Pembrolizumab as Salvage Treatment for Paucicellular Variant of Anaplastic Thyroid Cancer: A Case Report.. *Current Oncology*, **2021**, 28, 5401-5407	2.8	0
7	Treatment of Cutaneous Melanoma Harboring SMO p.Gln216Arg Mutation with Imiquimod: An Old Drug with New Results. *Journal of Personalized Medicine*, **2021**, 11,	3.6	0
6	Management of one patient with oligoprogressive thyroid cancer during treatment with lenvatinib. *Future Oncology*, **2019**, 15, 21-25	3.6	
5	Thyroid Endocrinology: The Future is Now. *Frontiers in Endocrinology*, **2010**, 1, 7	5.7	
4	Controllo periferico dell□zione degli ormoni tiroidei: dal laboratorio alla clinica. *L Endocrinologo*, **2010**, 11, 14-19	0	
3	Deiodinase-3 is a thyrostat to regulate podocyte homeostasis. *EBioMedicine*, **2021**, 72, 103617	8.8	
2	Deiodination and Peripheral Metabolism of Thyroid Hormone **2019**, 61-72		
1	Predictive molecular pathology in metastatic thyroid cancer: the role of fusions.. *Expert Review of Endocrinology and Metabolism*, **2022**, 1-12	4.1	