Markus Eszlinger

List of Publications by Year
in descending order

74	3,375	136950 32	138484 58
papers	citations	h-index	g-index

75	75	75	4025
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hormonal Regulation of Adiponectin Gene Expression in 3T3-L1 Adipocytes. Biochemical and Biophysical Research Communications, 2002, 290, 1084-1089.	2.1	603
2	Molecular Pathogenesis of Euthyroid and Toxic Multinodular Goiter. Endocrine Reviews, 2005, 26, 504-524.	20.1	265
3	Adiponectin gene expression is inhibited by Î²â€adrenergic stimulation via protein kinase A in 3T3â€Ł1 adipocytes. FEBS Letters, 2001, 507, 142-146.	2.8	233
4	Current State and Future Perspective of Molecular Diagnosis of Fine-Needle Aspiration Biopsy of Thyroid Nodules. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 2016-2026.	3.6	135
5	Tumor Necrosis Factor Î± Is a Negative Regulator of Resistin Gene Expression and Secretion in 3T3-L1 Adipocytes. Biochemical and Biophysical Research Communications, 2001, 288, 1027-1031.	2.1	131
6	Fine-Needle Aspiration Diagnoses of Noninvasive Follicular Variant of Papillary Thyroid Carcinoma. American Journal of Clinical Pathology, 2015, 144, 850-857.	0.7	108
7	Molecular fine-needle aspiration biopsy diagnosis of thyroid nodules by tumor specific mutations and gene expression patterns. Molecular and Cellular Endocrinology, 2010, 322, 29-37.	3.2	107
8	Impact of Molecular Screening for Point Mutations and Rearrangements in Routine Air-Dried Fine-Needle Aspiration Samples of Thyroid Nodules. Thyroid, 2014, 24, 305-313.	4.5	97
9	TERT Promoter Mutations in Papillary Thyroid Microcarcinomas. Thyroid, 2015, 25, 1013-1019.	4.5	86
10	Analysis options for high-throughput sequencing in miRNA expression profiling. BMC Research Notes, 2014, 7, 144.	1.4	75
11	Tobacco smoking differently influences cell types of the innate and adaptive immune systemâ€"indications from CpG site methylation. Clinical Epigenetics, 2016, 8, 83.	4.1	73
12	A varying T cell subtype explains apparent tobacco smoking induced single CpG hypomethylation in whole blood. Clinical Epigenetics, 2015, 7, 81.	4.1	72
13	Isoproterenol inhibits resistin gene expression through a G_Sâ€proteinâ€coupled pathway in 3T3â€Ł1 adipocytes. FEBS Letters, 2001, 500, 60-63.	2.8	71
14	Molecular analysis of residual ThinPrep material from thyroid FNAs increases diagnostic sensitivity. Cancer Cytopathology, 2015, 123, 356-361.	2.4	70
15	A multi-gene approach to differentiate papillary thyroid carcinoma from benign lesions: gene selection using support vector machines with bootstrapping. Endocrine-Related Cancer, 2007, 14, 809-826.	3.1	67
16	Differential miRNA expression defines migration and reduced apoptosis in follicular thyroid carcinomas. Molecular and Cellular Endocrinology, 2014, 388, 1-9.	3.2	66
17	Molecular Testing of Thyroid Fine-Needle Aspirations Improves Presurgical Diagnosis and Supports the Histologic Identification of Minimally Invasive Follicular Thyroid Carcinomas. Thyroid, 2015, 25, 401-409.	4.5	66
18	Recurrent EZH1 mutations are a second hit in autonomous thyroid adenomas. Journal of Clinical Investigation, 2016, 126, 3383-3388.	8.2	66

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19	Prenatal maternal stress and wheeze in children: novel insights into epigenetic regulation. Scientific Reports, 2016, 6, 28616.	3.3	55
20	Detection of PAX8/PPARG and RET/PTC Rearrangements Is Feasible in Routine Air-Dried Fine Needle Aspiration Smears. Thyroid, 2012, 22, 1025-1030.	4.5	54
21	Molecular profiling of thyroid nodule fine-needle aspiration cytology. Nature Reviews Endocrinology, 2017, 13, 415-424.	9.6	52
22	Perspectives and Limitations of Microarray-Based Gene Expression Profiling of Thyroid Tumors. Endocrine Reviews, 2007, 28, 322-338.	20.1	51
23	Gene expression analysis reveals evidence for inactivation of the TGF-Î² signaling cascade in autonomously functioning thyroid nodules. Oncogene, 2004, 23, 795-804.	5.9	50
24	Evaluation of a Two-Year Routine Application of Molecular Testing of Thyroid Fine-Needle Aspirations Using a Seven-Gene Panel in a Primary Referral Setting in Germany. Thyroid, 2017, 27, 402-411.	4.5	42
25	Perspectives for Improved and More Accurate Classification of Thyroid Epithelial Tumors. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3286-3294.	3.6	39
26	Gene Expression Analysis Reveals Evidence for Increased Expression of Cell Cycle-Associated Genes and Gq-Protein-Protein Kinase C Signaling in Cold Thyroid Nodules. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1163-1170.	3.6	37
27	Nonparametric multiple test procedures with data-driven order of hypotheses and with weighted hypotheses. Journal of Statistical Planning and Inference, 2004, 125, 31-47.	0.6	36
28	Thyroglobulin mRNA quantification in the peripheral blood is not a reliable marker for the follow-up of patients with differentiated thyroid cancer. European Journal of Endocrinology, 2002, 147, 575-582.	3.7	35
29	A two miRNA classifier differentiates follicular thyroid carcinomas from follicular thyroid adenomas. Molecular and Cellular Endocrinology, 2015, 399, 43-49.	3.2	35
30	Meta- and Reanalysis of Gene Expression Profiles of Hot and Cold Thyroid Nodules and Papillary Thyroid Carcinoma for Gene Groups. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 1934-1942.	3.6	34
31	TFF3-Based Candidate Gene Discrimination of Benign and Malignant Thyroid Tumors in a Region with Borderline Iodine Deficiency. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1390-1393.	3.6	33
32	Ruling in or ruling out thyroid malignancy by molecular diagnostics of thyroid nodules. Best Practice and Research in Clinical Endocrinology and Metabolism, 2014, 28, 545-557.	4.7	32
33	Somatic mutations in 33 benign and malignant hot thyroid nodules in children and adolescents. Molecular and Cellular Endocrinology, 2014, 393, 39-45.	3.2	32
34	Gene Expression (mRNA) Markers for Differentiating between Malignant and Benign Follicular Thyroid Tumours. International Journal of Molecular Sciences, 2017, 18, 1184.	4.1	32
35	Complementary DNA Expression Array Analysis Suggests a Lower Expression of Signal Transduction Proteins and Receptors in Cold and Hot Thyroid Nodules. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4834-4842.	3.6	30
36	Two-miRNA classifiers differentiate mutation-negative follicular thyroid carcinomas and follicular thyroid adenomas in fine needle aspirations with high specificity. Endocrine, 2016, 54, 440-447.	2.3	27

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37	Growth Factor Expression in Cold and Hot Thyroid Nodules. Thyroid, 2001, 11, 125-135.	4.5	22
38	RGS 2 expression is regulated by TSH and inhibits TSH receptor signaling. European Journal of Endocrinology, 2004, 151, 383-390.	3.7	22
39	Cases of Borderline In Vitro Constitutive Thyrotropin Receptor Activity: How to Decide Whether a Thyrotropin Receptor Mutation Is Constitutively Active or Not?. Thyroid, 2009, 19, 765-773.	4.5	21
40	Young investigator challenge: Can the Ion AmpliSeq Cancer Hotspot Panel v2 be used for nextâ€generation sequencing of thyroid FNA samples?. Cancer Cytopathology, 2016, 124, 776-784.	2.4	21
41	Molecular Testing of Nodules with a Suspicious or Malignant Cytologic Diagnosis in the Setting of Non-Invasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features (NIFTP). Endocrine Pathology, 2018, 29, 68-74.	9.0	21
42	Sialylation of Human Thyrotropin Receptor Improves and Prolongs Its Cell-Surface Expression. Molecular Pharmacology, 2005, 68, 1106-1113.	2.3	16
43	Molecular Diagnosis Using Residual Liquid-Based Cytology Materials for Patients with Nondiagnostic or Indeterminate Thyroid Nodules. Endocrinology and Metabolism, 2016, 31, 586.	3.0	15
44	Search for relevant sets of variables in a high-dimensional setup keeping the familywise error rate. Statistica Neerlandica, 2005, 59, 298-312.	1.6	14
45	The Thyrotropin Receptor Mutation Database Update. Thyroid, 2020, 30, 931-935.	4.5	14
46	Hyperthyroidism and Papillary Thyroid Carcinoma in Thyrotropin Receptor D633H Mutant Mice. Thyroid, 2018, 28, 1372-1386.	4.5	12
47	Lack of in vitro constitutive activity for four previously reported TSH receptor mutations identified in patients with nonautoimmune hyperthyroidism and hot thyroid carcinomas. Clinical Endocrinology, 2010, 73, 815-820.	2.4	11
48	Complementary DNA Expression Array Analysis Suggests a Lower Expression of Signal Transduction Proteins and Receptors in Cold and Hot Thyroid Nodules. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4834-4842.	3.6	11
49	Expression of Regulators of G Protein Signaling mRNA Is Differentially Regulated in Hot and Cold Thyroid Nodules. Thyroid, 2004, 14, 896-901.	4.5	10
50	Comparison of differential gene expression of hot and cold thyroid nodules with primary epithelial cell culture models by investigation of co-regulated gene sets. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 263-271.	4.1	10
51	Low Malignancy Rates in Fine-Needle Aspiration Cytologies in a Primary Care Setting in Germany. Thyroid, 2017, 27, 1385-1392.	4.5	10
52	DIAGNOSIS OF ENDOCRINE DISEASE: Usefulness of genetic testing of fine-needle aspirations for diagnosis of thyroid cancer. European Journal of Endocrinology, 2022, 187, R41-R52.	3.7	9
53	Comparison of Independent Samples of High-Dimensional Data by Pairwise Distance Measures. Biometrical Journal, 2007, 49, 230-241.	1.0	8
54	Sensitive Sequencing Analysis Suggests Thyrotropin Receptor and Guanine Nucleotide-Binding Protein G Subunit Alpha as Sole Driver Mutations in Hot Thyroid Nodules. Thyroid, 2020, 30, 1482-1489.	4.5	6

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55	Accuracy of Thyroid Fine-Needle Aspiration Cytology: A Cyto-Histologic Correlation Study in an Integrated Canadian Health Care Region with Centralized Pathology Service. Acta Cytologica, 2022, 66, 171-178.	1.3	6
56	Malignancy is in the eye of the beholder: Pathologic diagnosis of challenging follicular neoplasms in the era of noninvasive follicular thyroid neoplasms with papillary-like nuclear features and immunohistochemical and molecular adjuncts. Surgery, 2021, 169, 22-26.	1.9	5
57	Histologyâ€based molecular profiling improves mutation detection for advanced thyroid cancer. Genes Chromosomes and Cancer, 2021, 60, 531-545.	2.8	5
58	Systematic population-based identification of NTRK and RET fusion-positive thyroid cancers. European Thyroid Journal, 2022, 11, .	2.4	4
59	Insights from molecular pathways: potential pharmacologic targets of benign thyroid nodules. Current Opinion in Endocrinology, Diabetes and Obesity, 2007, 14, 393-397.	2.3	3
60	Molecular Testing by MALDI-TOF Mass Spectrometry is Applicable to DNA from Routine Air-Dried FNA Smears and Improves the Pre-Surgical Diagnosis of Indeterminate Thyroid Fine Needle Cytologies. Canadian Journal of Diabetes, 2016, 40, S4.	0.8	1
61	Clinical implications of molecular studies for the diagnosis of thyroid cancer. Hormones, 2010, 9, 51-56.	1.9	0
62	Advanced Bone Age Present in a Neonatal Case of Sporadic Non-Autoimmune Hyperthyroidism Before Onset of Symptoms. Canadian Journal of Diabetes, 2018, 42, S40.	0.8	0
63	Thyroid Nodule Malignancy Rates Within a Health-Care Region with Centralized Pathology. Canadian Journal of Diabetes, 2018, 42, S35.	0.8	0
64	Prospective Evaluation of the ThyroSPECâ„¢ Mutation Panel for the Diagnosis of Indeterminate Thyroid Fine-Needle Aspiration Cytologies. Canadian Journal of Diabetes, 2018, 42, S4.	0.8	0
65	Thyroid Nodule. Endocrinology, 2018, , 165-201.	0.1	0
66	6 - Interim Results for the Prospective Evaluation of the ThyroSPEC Mutation Panel for the Diagnosis of Indeterminate Thyroid Fine Needle Aspiration Cytologies (FNAC). Canadian Journal of Diabetes, 2019, 43, S4.	0.8	0
67	72 - Predicting Response to Resensitization of Radioiodine Resistant Thyroid Cancer With Whole Exome Sequencing. Canadian Journal of Diabetes, 2019, 43, S27-S28.	0.8	0
68	84 - Pathology and Case Review and Whole Exome Sequencing of ThyroSPECâ„¢ Panel False-Negatives for the Diagnosis of Indeterminate Thyroid Fine-Needle Aspiration (FNA) Cytologies. Canadian Journal of Diabetes, 2019, 43, S31.	0.8	0
69	Hyperthyroidism due to Thyroid Autonomy. , 2009, , 943-945.		0
70	Thyroid Nodules, Cold. , 2009, , 2075-2076.		0
71	PAX8/PPARÎ³ Rearrangement Detection Is Feasible in Routine Air-Dried Fine Needle Aspiration (FNA) Smears. , 2011, , P1-709-P1-709.		0
72	PAX8/PPARG and RET/PTC rearrangement detection is feasible in routine air dried fine needle aspiration (FNA) smears. Thyroid, 0, , 120621101003006.	4.5	0

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73	Thyroid Nodule. Endocrinology, 2017, , 1-38.	0.1	0
74	Report of a family with three generations of undiagnosed familial nonautoimmune hyperthyroidism. Endocrinology, Diabetes and Metabolism Case Reports, 2021, 2021, .	0.5	0