

Jean Ruf

List of Publications by Year in descending order

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109
papers

3,467
citations

136950

32
h-index

168389

53
g-index

110
all docs

110
docs citations

110
times ranked

2378
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification of the human thyroid peroxidase and its identification as the microsomal antigen involved in autoimmune thyroid diseases. <i>FEBS Letters</i> , 1985, 190, 147-152.	2.8	336
2	Structural and functional aspects of thyroid peroxidase. <i>Archives of Biochemistry and Biophysics</i> , 2006, 445, 269-277.	3.0	159
3	Relationship between Immunological Structure and Biochemical Properties of Human Thyroid Peroxidase. <i>Endocrinology</i> , 1989, 125, 1211-1218.	2.8	155
4	Syncope Due to Idiopathic Paroxysmal Atrioventricular Block. <i>Journal of the American College of Cardiology</i> , 2011, 58, 167-173.	2.8	126
5	Comparison of Serum Thyroid Microsomal and Thyroid Peroxidase Autoantibodies in Thyroid Diseases*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1987, 65, 987-993.	3.6	98
6	Anti-thyroperoxidase antibodies from patients with Hashimoto's encephalopathy bind to cerebellar astrocytes. <i>Journal of Neuroimmunology</i> , 2007, 192, 13-20.	2.3	95
7	Sequence of the complete cDNA and the 5â€² structure of the human sucrase-isomaltase gene. Possible homology with a yeast glucoamylase. <i>Biochemical Journal</i> , 1992, 285, 915-923.	3.7	77
8	Various expressions of a unique anti-human thyroglobulin antibody repertoire in normal state and autoimmune disease. <i>European Journal of Immunology</i> , 1985, 15, 268-272.	2.9	75
9	Thyroglobulin structure and function: recent advances. <i>Biochimie</i> , 1989, 71, 195-209.	2.6	73
10	Specificity of monoclonal antibodies against human thyroglobulin; comparison with autoimmune antibodies.. <i>EMBO Journal</i> , 1983, 2, 1821-1826.	7.8	71
11	Immunohistochemical study of thyroid peroxidase in normal, hyperplastic, and neoplastic human thyroid tissues. <i>Cancer</i> , 1991, 67, 3036-3041.	4.1	69
12	Association of Duoxes with Thyroid Peroxidase and Its Regulation in Thyrocytes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 375-382.	3.6	65
13	Determination at the Molecular Level of a B-Cell Epitope on Thyroid Peroxidase Likely to Be Associated with Autoimmune Thyroid Disease*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991, 73, 919-921.	3.6	62
14	Identification of the thyroid Na ⁺ /I ⁻ cotransporter as a potential autoantigen in thyroid autoimmune disease. <i>European Journal of Endocrinology</i> , 1995, 132, 399-405.	3.7	61
15	Antibody-dependent cell-mediated cytotoxicity in autoimmune thyroid disease: relationship to antithyroperoxidase antibodies. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1996, 81, 2595-2600.	3.6	56
16	Overexpression of the extracellular domain of the thyrotrophin receptor in bacteria; production of thyrotrophin-binding inhibiting immunoglobulins. <i>Journal of Molecular Endocrinology</i> , 1994, 13, 11-21.	2.5	50
17	Antibodies to Human Thyroid Peroxidase in Autoimmune Thyroid Disease: Studies with a Cloned Recombinant Complementary Deoxyribonucleic Acid Epitope*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1989, 68, 1091-1096.	3.6	49
18	Syncope Without Prodromes in Patients With Normal Heart and Normal Electrocardiogram. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1075-1080.	2.8	49

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19	Immunohistochemical study of thyroglobulin in thyroid carcinomas with monoclonal antibodies. <i>Cancer</i> , 1987, 59, 471-476.	4.1	48
20	Adenosine plasma level and A _{2A} adenosine receptor expression: correlation with laboratory tests in patients with neurally mediated syncope. <i>Heart</i> , 2012, 98, 855-859.	2.9	47
21	NF- κ B enhances hypoxia-driven T-cell immunosuppression via upregulation of adenosine A2A receptors. <i>Cellular Signalling</i> , 2014, 26, 1060-1067.	3.6	47
22	Hyperhomocysteinemia and Cardiovascular Disease: Is the Adenosinergic System the Missing Link?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1690.	4.1	42
23	Complement Activation by Direct C4 Binding to Thyroperoxidase in Hashimoto's Thyroiditis. <i>Endocrinology</i> , 2003, 144, 5422-5429.	2.8	39
24	Cell biology of H ₂ O ₂ generation in the thyroid: Investigation of the control of dual oxidases (DUOX) activity in intact ex vivo thyroid tissue and cell lines. <i>Molecular and Cellular Endocrinology</i> , 2011, 343, 32-44.	3.2	38
25	Uric acid levels are associated with endothelial dysfunction and severity of coronary atherosclerosis during a first episode of acute coronary syndrome. <i>Purinergic Signalling</i> , 2018, 14, 191-199.	2.2	38
26	Effects of deglycosylation of human thyroperoxidase on its enzymatic activity and immunoreactivity. <i>Journal of Endocrinology</i> , 1992, 132, 317-323.	2.6	37
27	Androgen-dependent expression of Fc γ RIIB2 by thyrocytes from patients with autoimmune Graves' disease: a possible molecular clue for sex dependence of autoimmune disease. <i>FASEB Journal</i> , 2002, 16, 1087-1092.	0.5	37
28	Hydrogen peroxide-induced production of a 40 kDa immunoreactive thyroglobulin fragment in human thyroid cells: the onset of thyroid autoimmunity?. <i>Biochemical Journal</i> , 2001, 360, 557-562.	3.7	36
29	Adenosine and Clinical Forms of Neurally-Mediated Syncope. <i>Journal of the American College of Cardiology</i> , 2015, 66, 204-205.	2.8	36
30	Thyroid peroxidase is the organ-specific 'microsomal' autoantigen involved in thyroid autoimmunity. <i>European Journal of Endocrinology</i> , 1987, 116, S49-S56.	3.7	34
31	Interaction of highly purified thyroid peroxidase with anti-microsomal antibodies in autoimmune thyroid diseases. <i>Journal of Endocrinological Investigation</i> , 1986, 9, 135-138.	3.3	33
32	Prevalence of Autoantibodies to Thyroperoxidase in Patients with Various Thyroid and Autoimmune Diseases. <i>Autoimmunity</i> , 1991, 9, 237-244.	2.6	33
33	Hydrogen peroxide-induced production of a 40 kDa immunoreactive thyroglobulin fragment in human thyroid cells: the onset of thyroid autoimmunity?. <i>Biochemical Journal</i> , 2001, 360, 557.	3.7	33
34	Production of an agonist-like monoclonal antibody to the human A2A receptor of adenosine for clinical use. <i>Molecular Immunology</i> , 2009, 46, 400-405.	2.2	33
35	IMMUNOPURIFICATION AND CHARACTERIZATION OF THYROID AUTOANTIBODIES WITH DUAL SPECIFICITY FOR THYROGLOBULIN AND THYROPEROXIDASE. <i>Autoimmunity</i> , 1992, 11, 179-188.	2.6	32
36	Role of caveolin-1 in thyroid phenotype, cell homeostasis, and hormone synthesis: in vivo study of caveolin-1 knockout mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E438-E451.	3.5	32

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37	Induction of Thyrotropin Receptor (TSH-R) Autoantibodies and Thyroiditis in Mice Immunized with the Recombinant TSH-R. <i>Biochemical and Biophysical Research Communications</i> , 1994, 199, 1027-1034.	2.1	30
38	Expressions of adenosine A2A receptors in coronary arteries and peripheral blood mononuclear cells are correlated in coronary artery disease patients. <i>International Journal of Cardiology</i> , 2017, 230, 427-431.	1.7	30
39	Ticagrelor Improves Peripheral Arterial Function in Acute Coronary Syndrome Patients. <i>Journal of the American College of Cardiology</i> , 2016, 67, 1967-1968.	2.8	29
40	Multicenter study on TGPO autoantibody prevalence in various thyroid and non-thyroid diseases; relationships with thyroglobulin and thyroperoxidase autoantibody parameters. <i>European Journal of Endocrinology</i> , 1999, 141, 563-569.	3.7	28
41	Thyroid peroxidase (TPO) expressed in thyroid and breast tissues shows similar antigenic properties. <i>PLoS ONE</i> , 2017, 12, e0179066.	2.5	28
42	Towards Addressing the Body Electrolyte Environment via Sweat Analysis: Pilocarpine Iontophoresis Supports Assessment of Plasma Potassium Concentration. <i>Scientific Reports</i> , 2017, 7, 11801.	3.3	27
43	Structural bases for public idiotypic specificities of monoclonal antibodies directed against poly(Glu60Ala30Tyr10) and poly(Glu60Ala40) random copolymers.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 3040-3044.	7.1	26
44	Thyroglobulin in medullary thyroid carcinoma: Immunohistochemical study with polyclonal and monoclonal antibodies. <i>Human Pathology</i> , 1993, 24, 256-262.	2.0	26
45	Analysis of a conformational B cell epitope of human thyroid peroxidase: identification of a tyrosine residue at a strategic location for immunodominance. <i>International Immunology</i> , 2002, 14, 359-366.	4.0	26
46	Directed Mutagenesis in Region 713-720 of Human Thyroperoxidase Assigns 713KFPED717 Residues as Being Involved in the B Domain of the Discontinuous Immunodominant Region Recognized by Human Autoantibodies. <i>Journal of Biological Chemistry</i> , 2004, 279, 39058-39067.	3.4	26
47	Comparative Mapping of Cloned Human and Murine Antithyroglobulin Antibodies: Recognition by Human Antibodies of an Immunodominant Region. <i>Thyroid</i> , 1998, 8, 643-646.	4.5	25
48	Bispecific thyroglobulin and thyroperoxidase autoantibodies in patients with various thyroid and autoimmune diseases. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994, 79, 1404-1409.	3.6	25
49	A Conformational B-cell Epitope on the C-terminal End of the Extracellular Part of Human Thyroid Peroxidase. <i>Journal of Biological Chemistry</i> , 1998, 273, 8056-8062.	3.4	24
50	Molecular Model, Calcium Sensitivity, and Disease Specificity of a Conformational Thyroperoxidase B-cell Epitope. <i>Journal of Biological Chemistry</i> , 1999, 274, 35313-35317.	3.4	24
51	Human Autoantibodies Modulate the T Cell Epitope Repertoire but Fail to Unmask a Pathogenic Cryptic Epitope. <i>Journal of Immunology</i> , 2005, 174, 557-563.	0.8	24
52	Cytotoxic Assay of Circulating Thyroid Peroxidase Antibodies. <i>Autoimmunity</i> , 1989, 4, 247-254.	2.6	23
53	Monoclonal antibody-assisted stimulation of adenosine A2A receptors induces simultaneous downregulation of CXCR4 and CCR5 on CD4+ T-cells. <i>Human Immunology</i> , 2010, 71, 1073-1076.	2.4	23
54	Production of Immunoreactive Thyroglobulin C-Terminal Fragments during Thyroid Hormone Synthesis. <i>Endocrinology</i> , 2000, 141, 2518-2525.	2.8	22

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55	Majority of Thyroid Peroxidase Autoantibodies in Patients with Autoimmune Thyroid Disease are Directed to a Single TPO Domain. <i>Autoimmunity</i> , 1996, 23, 145-154.	2.6	21
56	A2A adenosine receptor function in patients with vasovagal syncope. <i>Europace</i> , 2013, 15, 1328-1332.	1.7	21
57	Spare Adenosine A2a Receptors Are Associated with Positive Exercise Stress Test in Coronary Artery Disease. <i>Molecular Medicine</i> , 2016, 22, 530-536.	4.4	21
58	Adenosine plasma level correlates with homocysteine and uric acid concentrations in patients with coronary artery disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2016, 94, 272-277.	1.4	20
59	Adenosine Receptor Profiling Reveals an Association between the Presence of Spare Receptors and Cardiovascular Disorders. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5964.	4.1	20
60	Recent advances in the role of the adenosinergic system in coronary artery disease. <i>Cardiovascular Research</i> , 2021, 117, 1284-1294.	3.8	20
61	Expeditious synthesis and biological evaluation of new C-6 1,2,3-triazole adenosine derivatives A1 receptor antagonists or agonists. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3874.	2.8	19
62	Extracellular vesicles with ubiquitinated adenosine A _{2A} receptor in plasma of patients with coronary artery disease. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6805-6811.	3.6	19
63	Design, synthesis and biological evaluation of a bivalent $\frac{1}{4}$ opiate and adenosine A1 receptor antagonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6736-6739.	2.2	17
64	Adenosine plasma level in patients with paroxysmal or persistent atrial fibrillation and normal heart during ablation procedure and/or cardioversion. <i>Purinergic Signalling</i> , 2019, 15, 45-52.	2.2	17
65	Adenosine and Its Receptors: An Expected Tool for the Diagnosis and Treatment of Coronary Artery and Ischemic Heart Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5321.	4.1	17
66	Thyroglobulin epitope recognition in a post iodine-supplemented Sri Lankan population. <i>Clinical Endocrinology</i> , 2003, 59, 190-197.	2.4	16
67	Effect of hyperoxic and hyperbaric conditions on the adenosinergic pathway and CD26 expression in rat. <i>Journal of Applied Physiology</i> , 2015, 119, 140-147.	2.5	16
68	Monoclonal Antiidiotypic Antibodies Interact with the 93 Kilodalton Thyrotropin Receptor and Exhibit Heterogeneous Biological Activities. <i>Endocrinology</i> , 1991, 128, 1555-1562.	2.8	15
69	Tyrosine iodination and iodotyrosyl coupling of the N-terminal thyroid hormone forming site of human thyroglobulin modulate its binding to auto- and monoclonal antibodies. <i>Molecular and Cellular Endocrinology</i> , 1992, 88, 89-95.	3.2	15
70	Significance of thyroglobulin antibodies cross-reactive with thyroperoxidase (TGPO antibodies) in individual patients and immunized mice. <i>Clinical and Experimental Immunology</i> , 2008, 92, 65-72.	2.6	15
71	Adenosine Plasma Level and A2A Receptor Expression in Patients With Cardiogenic Shock. <i>Critical Care Medicine</i> , 2018, 46, e874-e880.	0.9	15
72	Low basal expression of A2A adenosine receptors and increase in adenosine plasma concentration are associated with positive exercise stress testing. <i>International Journal of Cardiology</i> , 2015, 180, 15-17.	1.7	14

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73	Hyperhomocysteinemia and cardiovascular diseases. <i>Annales De Biologie Clinique</i> , 2022, 80, 7-14.	0.1	14
74	Immunocytochemical Study of Localization and Traffic of Thyroid Peroxidase/Microsomal Antigen. <i>Autoimmunity</i> , 1989, 3, 113-123.	2.6	13
75	Human thyroperoxidase folds in one complex B-cell immunodominant region. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 1118-1124.	2.1	13
76	Intracerebroventricular injection of an agonist-like monoclonal antibody to adenosine A2A receptor has antinociceptive effects in mice. <i>Journal of Neuroimmunology</i> , 2011, 230, 178-182.	2.3	13
77	Specific Pharmacological Profile of A _{2A} Adenosine Receptor Predicts Reduced Fractional Flow Reserve in Patients With Suspected Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	13
78	Pharmacological profile of adenosine A2A receptors in patients with lower extremity peripheral artery disease and associated coronary artery disease: A pilot study. <i>International Journal of Cardiology</i> , 2019, 285, 121-127.	1.7	13
79	High homocysteine levels prevent <i>in vivo</i> H ₂ S the CoCl ₂ -induced alteration of lymphocyte viability. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1411-1419.	3.6	11
80	Autoantibodies and Monoclonal Antibodies Directed to an Immunodominant Antigenic Region of Thyroglobulin Interact with Thyroperoxidase Through an Interspecies Idiotype. <i>Autoimmunity</i> , 1994, 19, 55-62.	2.6	10
81	Antigenicity and immunogenicity of the C-terminal peptide of human thyroglobulin. <i>Peptides</i> , 2004, 25, 1021-1029.	2.4	10
82	Thyroglobulin Autoantibodies in Iodized Subjects: Relationship Between Epitope Specificities and Longitudinal Antibody Activity. <i>Thyroid</i> , 2005, 15, 1067-1072.	4.5	10
83	Reciprocal Negative Regulation between Thyrotropin- α -Cyclic Adenosine Monophosphate-Mediated Proliferation and Caveolin-1 Expression in Human and Murine Thyrocytes. <i>Molecular Endocrinology</i> , 2007, 21, 921-932.	3.7	10
84	Fall in oxygen tension of culture medium stimulates the adenosinergic signalling of a human T cell line. <i>Purinergic Signalling</i> , 2012, 8, 661-667.	2.2	10
85	Search for adenosine A _{2A} spare receptors on peripheral human lymphocytes. <i>FEBS Open Bio</i> , 2013, 3, 1-5.	2.3	10
86	Pathophysiological and diagnostic implications of cardiac biomarkers and antidiuretic hormone release in distinguishing immersion pulmonary edema from decompression sickness. <i>Medicine (United Kingdom)</i> 2019, 98, 1-10.	0.0	0
87	The molecular recognition theory applied to bispecific antibodies. <i>Nature Medicine</i> , 1995, 1, 1222-1222.	30.7	9
88	Thyroglobulin monoclonal antibody cross-reacting with thyroperoxidase induces in syngeneic mice anti-idiotypic monoclonal antibodies with dual autoantigen binding properties. The intertope hypothesis. <i>European Journal of Immunology</i> , 1999, 29, 1626-1634.	2.9	9
89	Evidence that the Complement Control Protein-Epidermal Growth Factor-Like Domain of Thyroid Peroxidase Lies on the Fringe of the Immunodominant Region Recognized by Autoantibodies. <i>Thyroid</i> , 2002, 12, 1085-1095.	4.5	9
90	Influence of haemodialysis and left ventricular failure on peripheral A2A adenosine receptor expression. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 851-856.	0.7	9

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91	Release of Markers of Myocardial Damage Evaluated in the Coronary Sinus During Cardiac Surgery. <i>Journal of Investigative Medicine</i> , 2007, 55, 195-201.	1.6	8
92	Adenosine, Adenosine Receptors and Neurohumoral Syncope: From Molecular Basis to Personalized Treatment. <i>Biomedicines</i> , 2022, 10, 1127.	3.2	8
93	Relationship between A2A Adenosine Receptor Expression and Intradialytic Hypotension during Hemodialysis. <i>Journal of Investigative Medicine</i> , 2006, 54, 473-477.	1.6	7
94	Acute Pulmonary Embolism Decreases Adenosine Plasma Levels in Anesthetized Pigs. <i>ISRN Cardiology</i> , 2011, 2011, 1-6.	1.6	7
95	High cell surface CD26-associated activities and low plasma adenosine concentration in fibromyalgia. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 1427-1428.	0.9	7
96	Mononuclear cell adenosine deaminase and CD26/dipeptidylpeptidase-IV activities are sensitive markers of reperfusion during percutaneous transluminal angioplasty. <i>International Journal of Cardiology</i> , 2013, 166, 225-229.	1.7	6
97	Production of Immunoreactive Thyroglobulin C-Terminal Fragments during Thyroid Hormone Synthesis. <i>Endocrinology</i> , 2000, 141, 2518-2525.	2.8	6
98	Idiotypic Study of a Bispecific Thyroglobulin and Thyroperoxidase Monoclonal Antibody. <i>Journal of Autoimmunity</i> , 1996, 9, 653-660.	6.5	5
99	An in vitro model based on cell monolayers grown on the underside of large-pore filters in bicameral chambers for studying thyrocyte-lymphocyte interactions. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C1763-C1768.	4.6	5
100	Adenosine Receptor Reserve and Long-Term Potentiation: Unconventional Adaptive Mechanisms in Cardiovascular Diseases?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7584.	4.1	5
101	Cell membrane coating with glutaraldehyde: Application to a versatile solid-phase assay for thyroid membrane proteins and molecules interacting with thyroid membranes. <i>Analytical Biochemistry</i> , 1985, 148, 320-327.	2.4	4
102	Idiotypic analysis of five xenogeneic antisera to anti-human thyroglobulin monoclonal antibodies. <i>Immunology Letters</i> , 1986, 13, 39-44.	2.5	4
103	Characterization of adenosine A2 receptors in peripheral blood mononuclear cells of patients with fibromuscular dysplasia. <i>Hypertension Research</i> , 2020, 43, 466-469.	2.7	4
104	Homocysteine concentration and adenosine A _{2A} receptor production by peripheral blood mononuclear cells in coronary artery disease patients. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8942-8949.	3.6	4
105	Correlation between low adenosine A2A receptor expression and hypercholesterolemia: A new component of the cardiovascular risk?. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158850.	2.4	3
106	A2 Adenosine Receptor Subtypes Overproduction in Atria of Perioperative Atrial Fibrillation Patients Undergoing Cardiac Surgery: A Pilot Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 761164.	2.4	3
107	Auto-and heteroantibodies against human thyroglobulin present the same heterogeneity and fine specificities. <i>The Journal of Steroid Biochemistry</i> , 1984, 20, 1644.	1.1	0
108	SKCa Channels Blockage Increases the Expression of Adenosine A2A Receptor in Jurkat Human T Cells. <i>BioResearch Open Access</i> , 2013, 2, 163-168.	2.6	0

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109	Competitive and Immunometric Radioassays for the Measurement of Anti-Thyroid Peroxidase Autoantibodies in Human Sera. , 1987, , 289-291.		0