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	Hyperhomocysteinemia and cardiovascular diseases. Annales De Biologie Clinique, 2022, 80, 7-14.	0.1	14
2	Adenosine, Adenosine Receptors and Neurohumoral Syncope: From Molecular Basis to Personalized Treatment. Biomedicines, 2022, 10, 1127.	3.2	8
3	Recent advances in the role of the adenosinergic system in coronary artery disease. Cardiovascular Research, 2021, 117, 1284-1294.	3.8	20
4	Correlation between low adenosine A2A receptor expression and hypercholesterolemia: A new component of the cardiovascular risk?. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158850.	2.4	3
5	Hyperhomocysteinemia and Cardiovascular Disease: Is the Adenosinergic System the Missing Link?. International Journal of Molecular Sciences, 2021, 22, 1690.	4.1	42
6	Adenosine Receptor Reserve and Long-Term Potentiation: Unconventional Adaptive Mechanisms in Cardiovascular Diseases?. International Journal of Molecular Sciences, 2021, 22, 7584.	4.1	5
7	A2 Adenosine Receptor Subtypes Overproduction in Atria of Perioperative Atrial Fibrillation Patients Undergoing Cardiac Surgery: A Pilot Study. Frontiers in Cardiovascular Medicine, 2021, 8, 761164.	2.4	3
8	Characterization of adenosine A2 receptors in peripheral blood mononuclear cells of patients with fibromuscular dysplasia. Hypertension Research, 2020, 43, 466-469.	2.7	4
9	Adenosine and Its Receptors: An Expected Tool for the Diagnosis and Treatment of Coronary Artery and Ischemic Heart Diseases. International Journal of Molecular Sciences, 2020, 21, 5321.	4.1	17
10	Homocysteine concentration and adenosine A_{2A} receptor production by peripheral blood mononuclear cells in coronary artery disease patients. Journal of Cellular and Molecular Medicine, 2020, 24, 8942-8949.	3.6	4
11	Extracellular vesicles with ubiquitinated adenosine A_{2A} receptor in plasma of patients with coronary artery disease. Journal of Cellular and Molecular Medicine, 2019, 23, 6805-6811.	3.6	19
12	Pharmacological profile of adenosine A2A receptors in patients with lower extremity peripheral artery disease and associated coronary artery disease: A pilot study. International Journal of Cardiology, 2019, 285, 121-127.	1.7	13
13	Adenosine Receptor Profiling Reveals an Association between the Presence of Spare Receptors and Cardiovascular Disorders. International Journal of Molecular Sciences, 2019, 20, 5964.	4.1	20
14	Adenosine plasma level in patients with paroxysmal or persistent atrial fibrillation and normal heart during ablation procedure and/or cardioversion. Purinergic Signalling, 2019, 15, 45-52.	2.2	17
15	Specific Pharmacological Profile of A _{2A} Adenosine Receptor Predicts Reduced Fractional Flow Reserve in Patients With Suspected Coronary Artery Disease. Journal of the American Heart Association, 2018, 7, .	3.7	13
16	Uric acid levels are associated with endothelial dysfunction and severity of coronary atherosclerosis during a first episode of acute coronary syndrome. Purinergic Signalling, 2018, 14, 191-199.	2.2	38
17	Adenosine Plasma Level and A2A Receptor Expression in Patients With Cardiogenic Shock. Critical Care Medicine, 2018, 46, e874-e880.	0.9	15
18	Expressions of adenosine A2A receptors in coronary arteries and peripheral blood mononuclear cells are correlated in coronary artery disease patients. International Journal of Cardiology, 2017, 230, 427-431.	1.7	30

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19	Towards Addressing the Body Electrolyte Environment via Sweat Analysis:Pilocarpine Iontophoresis Supports Assessment of Plasma Potassium Concentration. Scientific Reports, 2017, 7, 11801.	3.3	27
20	Thyroid peroxidase (TPO) expressed in thyroid and breast tissues shows similar antigenic properties. PLoS ONE, 2017, 12, e0179066.	2.5	28
21	Spare Adenosine A2a Receptors Are Associated with Positive Exercise Stress Test in Coronary Artery Disease. Molecular Medicine, 2016, 22, 530-536.	4.4	21
22	Pathophysiological and diagnostic implications of cardiac biomarkers and antidiuretic hormone release in distinguishing immersion pulmonary edema from decompression sickness. Medicine (United) Tj ETQq0 0 1 rgBT /Overlock 10 T	1.0	10
23	Ticagrelor Improves Peripheral Arterial Function in Acute Coronary Syndrome Patients. Journal of the American College of Cardiology, 2016, 67, 1967-1968.	2.8	29
24	High homocysteine levels prevent via H₂S the CoCl₂â€induced alteration of lymphocyte viability. Journal of Cellular and Molecular Medicine, 2016, 20, 1411-1419.	3.6	11
25	Adenosine plasma level correlates with homocysteine and uric acid concentrations in patients with coronary artery disease. Canadian Journal of Physiology and Pharmacology, 2016, 94, 272-277.	1.4	20
26	Adenosine and ClinicalÂForms of Neurally-Mediated Syncope. Journal of the American College of Cardiology, 2015, 66, 204-205.	2.8	36
27	Effect of hyperoxic and hyperbaric conditions on the adenosinergic pathway and CD26 expression in rat. Journal of Applied Physiology, 2015, 119, 140-147.	2.5	16
28	Low basal expression of A2A adenosine receptors and increase in adenosine plasma concentration are associated with positive exercise stress testing. International Journal of Cardiology, 2015, 180, 15-17.	1.7	14
29	NF-Î°B enhances hypoxia-driven T-cell immunosuppression via upregulation of adenosine A2A receptors. Cellular Signalling, 2014, 26, 1060-1067.	3.6	47
30	Mononuclear cell adenosine deaminase and CD26/dipeptidylpeptidase-IV activities are sensitive markers of reperfusion during percutaneous transluminal angioplasty. International Journal of Cardiology, 2013, 166, 225-229.	1.7	6
31	Search for adenosine A_{2A} spare receptors on peripheral human lymphocytes. FEBS Open Bio, 2013, 3, 1-5.	2.3	10
32	SKCa Channels Blockage Increases the Expression of Adenosine A2AReceptor in Jurkat Human T Cells. BioResearch Open Access, 2013, 2, 163-168.	2.6	0
33	Syncope Without Prodromes in Patients With Normal Heart and Normal Electrocardiogram. Journal of the American College of Cardiology, 2013, 62, 1075-1080.	2.8	49
34	A2A adenosine receptor function in patients with vasovagal syncope. Europace, 2013, 15, 1328-1332.	1.7	21
35	High cell surface CD26-associated activities and low plasma adenosine concentration in fibromyalgia. Annals of the Rheumatic Diseases, 2012, 71, 1427-1428.	0.9	7
36	Adenosine plasma level and A_{2A}adenosine receptor expression: correlation with laboratory tests in patients with neurally mediated syncope. Heart, 2012, 98, 855-859.	2.9	47

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37	Fall in oxygen tension of culture medium stimulates the adenosinergic signalling of a human T cell line. Purinergic Signalling, 2012, 8, 661-667.	2.2	10
38	Syncope Due to Idiopathic Paroxysmal Atrioventricular Block. Journal of the American College of Cardiology, 2011, 58, 167-173.	2.8	126
39	Cell biology of H2O2 generation in the thyroid: Investigation of the control of dual oxidases (DUOX) activity in intact ex vivo thyroid tissue and cell lines. Molecular and Cellular Endocrinology, 2011, 343, 32-44.	3.2	38
40	Intracerebroventricular injection of an agonist-like monoclonal antibody to adenosine A2A receptor has antinociceptive effects in mice. Journal of Neuroimmunology, 2011, 230, 178-182.	2.3	13
41	Acute Pulmonary Embolism Decreases Adenosine Plasma Levels in Anesthetized Pigs. ISRN Cardiology, 2011, 2011, 1-6.	1.6	7
42	Association of Duoxes with Thyroid Peroxidase and Its Regulation in Thyrocytes. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 375-382.	3.6	65
43	Monoclonal antibodyâ€“assisted stimulation of adenosine A2A receptors induces simultaneous downregulation of CXCR4 and CCR5 on CD4+ T-cells. Human Immunology, 2010, 71, 1073-1076.	2.4	23
44	Expeditious synthesis and biological evaluation of new C-6 1,2,3-triazole adenosine derivatives A1 receptor antagonists or agonists. Organic and Biomolecular Chemistry, 2010, 8, 3874.	2.8	19
45	Role of caveolin-1 in thyroid phenotype, cell homeostasis, and hormone synthesis: in vivo study of caveolin-1 knockout mice. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E438-E451.	3.5	32
46	Design, synthesis and biological evaluation of a bivalent Î¼ opiate and adenosine A1 receptor antagonist. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6736-6739.	2.2	17
47	Production of an agonist-like monoclonal antibody to the human A2A receptor of adenosine for clinical use. Molecular Immunology, 2009, 46, 400-405.	2.2	33
48	Significance of thyroglobulin antibodies cross-reactive with thyroperoxidase (TGPO antibodies) in individual patients and immunized mice. Clinical and Experimental Immunology, 2008, 92, 65-72.	2.6	15
49	Influence of haemodialysis and left ventricular failure on peripheral A2A adenosine receptor expression. Nephrology Dialysis Transplantation, 2007, 22, 851-856.	0.7	9
50	Reciprocal Negative Regulation between Thyrotropin/3â€²,5â€²-Cyclic Adenosine Monophosphate-Mediated Proliferation and Caveolin-1 Expression in Human and Murine Thyrocytes. Molecular Endocrinology, 2007, 21, 921-932.	3.7	10
51	Release of Markers of Myocardial Damage Evaluated in the Coronary Sinus During Cardiac Surgery. Journal of Investigative Medicine, 2007, 55, 195-201.	1.6	8
52	Anti-thyroperoxidase antibodies from patients with Hashimoto's encephalopathy bind to cerebellar astrocytes. Journal of Neuroimmunology, 2007, 192, 13-20.	2.3	95
53	Structural and functional aspects of thyroid peroxidase. Archives of Biochemistry and Biophysics, 2006, 445, 269-277.	3.0	159
54	Relationship between A2A Adenosine Receptor Expression and Intradialytic Hypotension during Hemodialysis. Journal of Investigative Medicine, 2006, 54, 473-477.	1.6	7

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55	Human Autoantibodies Modulate the T Cell Epitope Repertoire but Fail to Unmask a Pathogenic Cryptic Epitope. Journal of Immunology, 2005, 174, 557-563.	0.8	24
56	Thyroglobulin Autoantibodies in Iodized Subjects: Relationship Between Epitope Specificities and Longitudinal Antibody Activity. Thyroid, 2005, 15, 1067-1072.	4.5	10
57	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. Journal of Biological Chemistry, 2004, 279, 39058-39067.	3.4	26
58	An in vitro model based on cell monolayers grown on the underside of large- pore filters in bicameral chambers for studying thyrocyte-lymphocyte interactions. American Journal of Physiology - Cell Physiology, 2004, 287, C1763-C1768.	4.6	5
59	Antigenicity and immunogenicity of the C-terminal peptide of human thyroglobulin. Peptides, 2004, 25, 1021-1029.	2.4	10
60	Thyroglobulin epitope recognition in a post iodine-supplemented Sri Lankan population. Clinical Endocrinology, 2003, 59, 190-197.	2.4	16
61	Complement Activation by Direct C4 Binding to Thyroperoxidase in Hashimotoâ€™s Thyroiditis. Endocrinology, 2003, 144, 5422-5429.	2.8	39
62	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. Thyroid, 2002, 12, 1085-1095.	4.5	9
63	Androgenâ€dependent expression of FcÎ³RIIB2 by thyrocytes from patients with autoimmune Graves' disease: a possible molecular clue for sex dependence of autoimmune disease. FASEB Journal, 2002, 16, 1087-1092.	0.5	37
64	Analysis of a conformational B cell epitope of human thyroid peroxidase: identification of a tyrosine residue at a strategic location for immunodominance. International Immunology, 2002, 14, 359-366.	4.0	26
65	Human thyroperoxidase folds in one complex B-cell immunodominant region. Biochemical and Biophysical Research Communications, 2002, 295, 1118-1124.	2.1	13
66	Hydrogen peroxide-induced production of a 40ÂkDa immunoreactive thyroglobulin fragment in human thyroid cells: the onset of thyroid autoimmunity?. Biochemical Journal, 2001, 360, 557-562.	3.7	36
67	Hydrogen peroxide-induced production of a 40ÂkDa immunoreactive thyroglobulin fragment in human thyroid cells: the onset of thyroid autoimmunity?. Biochemical Journal, 2001, 360, 557.	3.7	33
68	Production of Immunoreactive Thyroglobulin C-Terminal Fragments during Thyroid Hormone Synthesis. Endocrinology, 2000, 141, 2518-2525.	2.8	22
69	Production of Immunoreactive Thyroglobulin C-Terminal Fragments during Thyroid Hormone Synthesis. Endocrinology, 2000, 141, 2518-2525.	2.8	6
70	Multicenter study on TGPO autoantibody prevalence in various thyroid and non-thyroid diseases; relationships with thyroglobulin and thyroperoxidase autoantibody parameters. European Journal of Endocrinology, 1999, 141, 563-569.	3.7	28
71	Molecular Model, Calcium Sensitivity, and Disease Specificity of a Conformational Thyroperoxidase B-cell Epitope. Journal of Biological Chemistry, 1999, 274, 35313-35317.	3.4	24
72	Thyroglobulin monoclonal antibody cross-reacting with thyroperoxidase induces in syngeneic mice anti-idiotypic monoclonal antibodies with dual autoantigen binding properties. The intertope hypothesis. European Journal of Immunology, 1999, 29, 1626-1634.	2.9	9

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73	Comparative Mapping of Cloned Human and Murine Antithyroglobulin Antibodies: Recognition by Human Antibodies of an Immunodominant Region. Thyroid, 1998, 8, 643-646.	4.5	25
74	A Conformational B-cell Epitope on the C-terminal End of the Extracellular Part of Human Thyroid Peroxidase. Journal of Biological Chemistry, 1998, 273, 8056-8062.	3.4	24
75	Idiotypic Study of a Bispecific Thyroglobulin and Thyroperoxidase Monoclonal Antibody. Journal of Autoimmunity, 1996, 9, 653-660.	6.5	5
76	Majority of Thyroid Peroxidase Autoantibodies in Patients with Autoimmune Thyroid Disease are Directed to a Single TPO Domain. Autoimmunity, 1996, 23, 145-154.	2.6	21
77	Antibody-dependent cell-mediated cytotoxicity in autoimmune thyroid disease: relationship to antithyroperoxidase antibodies. Journal of Clinical Endocrinology and Metabolism, 1996, 81, 2595-2600.	3.6	56
78	The molecular recognition theory applied to bispecific antibodies â€¦. Nature Medicine, 1995, 1, 1222-1222.	30.7	9
79	Identification of the thyroid Na+/Iâ˜ cotransporter as a potential autoantigen in thyroid autoimmune disease. European Journal of Endocrinology, 1995, 132, 399-405.	3.7	61
80	Induction of Thyrotropin Receptor (TSH-R) Autoantibodies and Thyroiditis in Mice Immunized with the Recombinant TSH-R. Biochemical and Biophysical Research Communications, 1994, 199, 1027-1034.	2.1	30
81	Autoantibodies and Monoclonal Antibodies Directed to an Immunodominant Antigenic Region of Thyroglobulin Interact with Thyroperoxidase Through an Interspecies Idiotype. Autoimmunity, 1994, 19, 55-62.	2.6	10
82	Overexpression of the extracellular domain of the thyrotrophin receptor in bacteria; production of thyrotrophin-binding inhibiting immunoglobulins. Journal of Molecular Endocrinology, 1994, 13, 11-21.	2.5	50
83	Bispecific thyroglobulin and thyroperoxidase autoantibodies in patients with various thyroid and autoimmune diseases. Journal of Clinical Endocrinology and Metabolism, 1994, 79, 1404-1409.	3.6	25
84	Thyroglobulin in medullary thyroid carcinoma: Immunohistochemical study with polyclonal and monoclonal antibodies. Human Pathology, 1993, 24, 256-262.	2.0	26
85	IMMUNOPURIFICATION AND CHARACTERIZATION OF THYROID AUTOANTIBODIES WITH DUAL SPECIFICITY FOR THYROGLOBULIN AND THYROPEROXIDASE. Autoimmunity, 1992, 11, 179-188.	2.6	32
86	Effects of deglycosylation of human thyroperoxidase on its enzymatic activity and immunoreactivity. Journal of Endocrinology, 1992, 132, 317-323.	2.6	37
87	Sequence of the complete cDNA and the 5â€² structure of the human sucrase-isomaltase gene. Possible homology with a yeast glucoamylase. Biochemical Journal, 1992, 285, 915-923.	3.7	77
88	Tyrosine iodination and iodotyrosyl coupling of the N-terminal thyroid hormone forming site of human thyroglobulin modulate its binding to auto- and monoclonal antibodies. Molecular and Cellular Endocrinology, 1992, 88, 89-95.	3.2	15
89	Immunohistochemical study of thyroid peroxidase in normal, hyperplastic, and neoplastic human thyroid tissues. Cancer, 1991, 67, 3036-3041.	4.1	69
90	Determination at the Molecular Level of a B-Cell Epitope on Thyroid Peroxidase Likely to Be Associated with Autoimmune Thyroid Disease*. Journal of Clinical Endocrinology and Metabolism, 1991, 73, 919-921.	3.6	62

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91	Prevalence of Autoantibodies to Thyroperoxidase in Patients with Various Thyroid and Autoimmune Diseases. Autoimmunity, 1991, 9, 237-244.	2.6	33
92	Monoclonal Antiidiotypic Antibodies Interact with the 93 Kilodalton Thyrotropin Receptor and Exhibit Heterogeneous Biological Activities. Endocrinology, 1991, 128, 1555-1562.	2.8	15
93	Relationship between Immunological Structure and Biochemical Properties of Human Thyroid Peroxidase. Endocrinology, 1989, 125, 1211-1218.	2.8	155
94	Immunocytochemical Study of Localization and Traffic of Thyroid Peroxidase/Microsomal Antigen. Autoimmunity, 1989, 3, 113-123.	2.6	13
95	Thyroglobulin structure and function: recent advances. Biochimie, 1989, 71, 195-209.	2.6	73
96	Cytotoxic Assay of Circulating Thyroid Peroxidase Antibodies. Autoimmunity, 1989, 4, 247-254.	2.6	23
97	Antibodies to Human Thyroid Peroxidase in Autoimmune Thyroid Disease: Studies with a Cloned Recombinant Complementary Deoxyribonucleic Acid Epitope*. Journal of Clinical Endocrinology and Metabolism, 1989, 68, 1091-1096.	3.6	49
98	Thyroid peroxidase is the organ-specific 'microsomal' autoantigen involved in thyroid autoimmunity. European Journal of Endocrinology, 1987, 116, S49-S56.	3.7	34
99	Comparison of Serum Thyroid Microsomal and Thyroid Peroxidase Autoantibodies in Thyroid Diseases*. Journal of Clinical Endocrinology and Metabolism, 1987, 65, 987-993.	3.6	98
100	Immunohistochemical study of thyroglobulin in thyroid carcinomas with monoclonal antibodies. Cancer, 1987, 59, 471-476.	4.1	48
101	Competitive and Immunometric Radioassays for the Measurement of Anti-Thyroid Peroxidase Autoantibodies in Human Sera. , 1987, , 289-291.		0
102	Interaction of highly purified thyroid peroxidase with anti-microsomal antibodies in autoimmune thyroid diseases. Journal of Endocrinological Investigation, 1986, 9, 135-138.	3.3	33
103	Idiotypic analysis of five xenogeneic antisera to anti-human thyroglobulin monoclonal antibodies. Immunology Letters, 1986, 13, 39-44.	2.5	4
104	Cell membrane coating with glutaraldehyde: Application to a versatile solid-phase assay for thyroid membrane proteins and molecules interacting with thyroid membranes. Analytical Biochemistry, 1985, 148, 320-327.	2.4	4
105	Various expressions of a unique anti-human thyroglobulin antibody repertoire in normal state and autoimmune disease. European Journal of Immunology, 1985, 15, 268-272.	2.9	75
106	Purification of the human thyroid peroxidase and its identification as the microsomal antigen involved in autoimmune thyroid diseases. FEBS Letters, 1985, 190, 147-152.	2.8	336
107	Auto-and heteroantibodies against human thyroglobulin present the same heterogeneity and fine specificities. The Journal of Steroid Biochemistry, 1984, 20, 1644.	1.1	0
108	Structural bases for public idiotypic specificities of monoclonal antibodies directed against poly(Glu60Ala30Tyr10) and poly(Glu60Ala40) random copolymers.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 3040-3044.	7.1	26

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109	Specificity of monoclonal antibodies against human thyroglobulin; comparison with autoimmune antibodies.. EMBO Journal, 1983, 2, 1821-1826.	7.8	71