

# Rudolf Fluckiger

## List of Publications by Year in descending order

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32  
papers

1,968  
citations

394421

19  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1423  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro synthesis of hemoglobin Alc. FEBS Letters, 1976, 71, 356-360.	2.8	435
2	Hemoglobin Carbamylation in Uremia. New England Journal of Medicine, 1981, 304, 823-827.	27.0	252
3	Molecular basis for a link between complement and the vascular complications of diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5450-5455.	7.1	190
4	Depletion of intracellular Ca <sup>2+</sup> stores, phosphorylation of eIF2 $\hat{A}$ , and sustained inhibition of translation initiation mediate the anticancer effects of clotrimazole. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8280-8285.	7.1	126
5	Keynote review: Progress in targeting HIV-1 entry. Drug Discovery Today, 2005, 10, 1085-1094.	6.4	101
6	Accelerated Healing of the Rat Achilles Tendon in Response to Autologous Conditioned Serum. American Journal of Sports Medicine, 2009, 37, 2117-2125.	4.2	88
7	A new sensitive, rapid fluorescence technique for the determination of proteins in gel electrophoresis and in solution. Analytical Biochemistry, 1973, 54, 102-114.	2.4	80
8	Chemical quantitation of hemoglobin glycosylation: Fluorometric detection of formaldehyde released upon periodate oxidation of glycoglobin. Analytical Biochemistry, 1981, 117, 427-432.	2.4	70
9	Effect of BMP-12, TGF- $\hat{I}^2$ 1 and autologous conditioned serum on growth factor expression in Achilles tendon healing. Knee Surgery, Sports Traumatology, Arthroscopy, 2012, 20, 1907-1914.	4.2	57
10	PQQ, the elusive coenzyme. Trends in Biochemical Sciences, 1989, 14, 343-346.	7.5	53
11	Improvement of tendon repair using muscle grafts transduced with TGF- $\hat{I}^2$ 1 cDNA. , 2012, 23, 94-102.		50
12	[7] Measurement of nonenzymatic protein glycosylation. Methods in Enzymology, 1984, 106, 77-87.	1.0	49
13	Evaluation of the fructosamine test for the measurement of plasma protein glycation. Diabetologia, 1987, 30, 648-652.	6.3	46
14	Nonenzymatic Glycosylation of Basement Membrane Collagen in Diabetes Mellitus. Collagen and Related Research, 1984, 4, 239-251.	2.0	45
15	Highly effective PQQ inhibition by alkynyl and aryl mono- and diiodonium salts. Journal of the American Chemical Society, 1993, 115, 11702-11704.	13.7	40
16	The interaction of aminogroups with pyrroloquinoline quinone as detected by the reduction of nitroblue tetrazolium. Biochemical and Biophysical Research Communications, 1988, 153, 353-358.	2.1	38
17	Natural variation in the extent of phosphorylation of bone phosphoproteins as a function of in vivo new bone formation induced by demineralized bone matrix in soft tissue and bony environments. Biochemical Journal, 2002, 364, 465-474.	3.7	35
18	[11] Redox-cycling detection of dialyzable pyrroloquinoline quinone and quinoproteins. Methods in Enzymology, 1995, 258, 140-149.	1.0	32

#	ARTICLE	IF	CITATIONS
19	Glycated Haemoglobins. Biomedical Applications, 1988, 429, 279-292.	1.7	29
20	Complete Topographical Distribution of Both the in Vivo and in Vitro Phosphorylation Sites of Bone Sialoprotein and Their Biological Implications. Journal of Biological Chemistry, 2004, 279, 19808-19815.	3.4	26
21	Modulation of Bone Resorption by Phosphorylation State of Bone Sialoprotein. Biochemistry, 2009, 48, 6876-6886.	2.5	19
22	Acid-promoted tautomeric lactonization and oxidation-reduction of pyrroloquinoline quinone (PQQ). Biochemical and Biophysical Research Communications, 1989, 163, 755-763.	2.1	16
23	The Catalysis of Redox Cycling by Pyrroloquinoline Quinone (PQQ), PQQ Derivatives, and Isomers and the Specificity of Inhibitors. Analytical Biochemistry, 1996, 238, 145-149.	2.4	16
24	Comment: Redox-cycling is a property of PQQ but not of ascorbate. FEBS Letters, 1990, 264, 283-284.	2.8	14
25	Soybean lipoxygenase-1 is not a quinoprotein. FEBS Letters, 1990, 270, 135-138.	2.8	14
26	Mass spectral and HPLC analysis of biological compounds with diphenylborinic acid. Biomedical Mass Spectrometry, 1984, 11, 611-615.	1.9	11
27	Real and artefactual erythrocyte swelling in hyperglycaemia. Diabetologia, 1985, 28, 335-8.	6.3	11
28	Prokaryotic expression of bone sialoprotein and identification of casein kinase II phosphorylation sites. Biochemical and Biophysical Research Communications, 2005, 333, 443-447.	2.1	9
29	Methoxatin (Pqq), Coenzyme for Copper-Dependent Amine and Mixed-Function Oxidation in Mammalian Tissues. Connective Tissue Research, 1989, 20, 251-257.	2.3	8
30	PQQ and Electron Transport in Mammalian Systems. Nutrition Reviews, 1993, 51, 26-27.	5.8	4
31	DAF in diabetic patients is subject to glycation/inactivation at its active site residues. Molecular Immunology, 2018, 93, 246-252.	2.2	3
32	Serum anti-albumin antibodies and diabetes. Diabetologia, 1986, 29, 897-897.	6.3	1