

# Carl Franzblau

## List of Publications by Year in descending order

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43  
papers

1,150  
citations

361296

20  
h-index

377752

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticardiolipin Antibodies and Risk of Ischemic Stroke and Transient Ischemic Attack. <i>Stroke</i> , 2004, 35, 736-741.	1.0	110
2	Elastin and Collagen Degradation Products in Urine of Smokers With and Without Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995, 151, 952-959.	2.5	103
3	Alteration of the extracellular matrix of smooth muscle cells by ascorbate treatment. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1985, 840, 245-254.	1.1	77
4	Cadmium-Chloride-induced Air-Space Enlargement with Interstitial Pulmonary Fibrosis Is Not Associated with Destruction of Lung Elastin: Implications for the Pathogenesis of Human Emphysema. <i>The American Review of Respiratory Disease</i> , 1988, 137, 918-923.	2.9	73
5	Direct binding enzyme-linked immunosorbent assay (ELISA) for serum amyloid A (SAA). <i>Journal of Immunological Methods</i> , 1989, 125, 125-135.	0.6	62
6	Measurement of Urinary Desmosine by Isotope Dilution and High Performance Liquid Chromatography: Correlation between Elastase-induced Air-Space Enlargement in the Hamster and Elevation of Urinary Desmosine. <i>The American Review of Respiratory Disease</i> , 1991, 144, 284-290.	2.9	53
7	Pathogenesis of hepatic fibrosis in experimental iron overload. <i>British Journal of Haematology</i> , 1985, 59, 321-331.	1.2	51
8	Ageing effects on the elastin composition in the extracellular matrix of cultured rat aortic smooth muscle cells. <i>In Vitro Cellular &amp; Developmental Biology</i> , 1985, 21, 674-680.	1.0	50
9	Preliminary Evidence That Augmentation Therapy Diminishes Degradation of Cross-Linked Elastin in Alpha-1-Antitrypsin-Deficient Humans. <i>Respiration</i> , 1995, 62, 76-79.	1.2	42
10	Effect of Hydrophobic Elastin Ligands on the Stress-Strain Properties of Elastin Fibers. <i>Connective Tissue Research</i> , 1976, 4, 177-179.	1.1	39
11	Effects of ascorbate on insoluble elastin accumulation and crosslink formation in rabbit pulmonary artery smooth muscle cultures. <i>Biochemistry</i> , 1982, 21, 4195-4202.	1.2	36
12	The Role of the Carboxy Terminus of Tropoelastin in its Assembly into the Elastic Fiber. <i>Connective Tissue Research</i> , 1999, 40, 83-95.	1.1	33
13	Collagen Biosynthesis in Iron Overload. <i>Annals of the New York Academy of Sciences</i> , 1988, 526, 179-184.	1.8	30
14	A synthetic dural prosthesis constructed from hydroxyethylmethacrylate hydrogels. <i>Journal of Neurosurgery</i> , 1995, 83, 897-902.	0.9	30
15	Elastin in a neonatal rat smooth muscle cell culture has greatly decreased susceptibility to proteolysis by human neutrophil elastase. An in vitro model of elastolytic injury. <i>In Vitro Cellular &amp; Developmental Biology</i> , 1987, 23, 663-676.	1.0	28
16	Defenses of the Hamster Lung against Human Neutrophil and Porcine Pancreatic Elastase. <i>Respiration</i> , 1988, 54, 1-15.	1.2	28
17	Cross-linked elastin and collagen degradation products in the urine of patients with scleroderma. <i>Arthritis and Rheumatism</i> , 1995, 38, 517-524.	6.7	27
18	$\beta$ -VLDL-induced alterations in growth potentiating activity produced by mononuclear phagocytes. <i>Atherosclerosis</i> , 1988, 69, 69-79.	0.4	24

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19	Formation of Elastic Fibers and Elastin in Rabbit Aortic Smooth Muscle Cell Cultures. <i>Connective Tissue Research</i> , 1981, 8, 231-239.	1.1	22
20	Elastin mRNA levels and insoluble elastin accumulation in neonatal rat smooth muscle cell cultures. <i>Biochemistry</i> , 1988, 27, 3175-3182.	1.2	22
21	In-Situ Hybridization of Tropoelastin mRNA during the Development of the Multilayered Neonatal Rat Aortic Smooth Muscle Cell Culture. <i>Matrix Biology</i> , 1992, 12, 321-332.	1.8	19
22	Intrinsic enzyme activity associated with tropoelastin. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1976, 446, 245-254.	1.7	18
23	The effect of $\hat{I}^2$ -aminopropionitrile on elastin gene expression in smooth muscle cell cultures. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 939-944.	1.0	18
24	Isolation of purified insoluble aortic collagen. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1978, 534, 64-72.	1.7	17
25	Elastase effect on the extracellular matrix of rat aortic smooth muscle cells in culture. <i>Experimental and Molecular Pathology</i> , 1986, 45, 105-117.	0.9	16
26	Long term treatment of neonatal aortic smooth muscle cells with $\hat{I}^2$ VLDL induces cholesterol accumulation. <i>Atherosclerosis</i> , 1992, 95, 201-210.	0.4	14
27	Type IV Collagen Synthesis and Accumulation in Neonatal Rat Aortic Smooth Muscle Cell Cultures. <i>Matrix Biology</i> , 1992, 12, 352-361.	1.8	13
28	Isolation of hydroxylysyl pyridinoline, a mature collagen crosslink from neonatal rat aorta smooth muscle cell cultures. <i>Matrix Biology</i> , 1992, 12, 381-387.	1.8	13
29	The physical properties and molecular structure of Ligamentum Nuchae elastin. <i>Biopolymers</i> , 1974, 13, 2447-2459.	1.2	12
30	Elastin. , 1981, , 65-93.		12
31	Elastin Synthesis and Accumulation in Irradiated Smooth Muscle Cell Cultures. <i>Connective Tissue Research</i> , 1992, 28, 181-189.	1.1	9
32	Monocyte activation by smooth muscle cell-derived matrices. <i>Atherosclerosis</i> , 1990, 85, 113-125.	0.4	8
33	Serum Antielastase and Neutrophil Elastase Levels in PiM Phenotype Cigarette Smokers with Airflow Obstruction. <i>Respiration</i> , 1985, 47, 267-277.	1.2	7
34	A Modified Procedure for the Purification of Clostridial Collagenase. <i>Preparative Biochemistry and Biotechnology</i> , 1978, 8, 387-407.	0.4	6
35	A Controlled Precursor Add-Back Model of Elastogenesis in Smooth Muscle Cell Cultures. <i>Matrix Biology</i> , 1991, 11, 367-372.	1.8	6
36	Ultrastructural studies of a polygonal myofilament network in cultured rat aortic smooth muscle cells. <i>Cell Motility</i> , 1981, 1, 193-203.	1.9	5

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37	Radioimmunoassay for methotrexate using hydroxyethylmethacrylate hydrogel. <i>Cancer Chemotherapy and Pharmacology</i> , 1983, 10, 96-99.	1.1	4
38	Alterations of Tropoelastin Biosynthesis by Elastase Damage to Smooth Muscle Cell Matrices. <i>Matrix Biology</i> , 1992, 12, 163-171.	1.8	4
39	Aortic elastin fluorescence after in vivo labeling with Congo red. <i>Journal of Fluorescence</i> , 1991, 1, 147-151.	1.3	3
40	Mobile laboratory programs as vehicles to promote STEM education in K-12 and beyond. , 2011, , .		3
41	A gelatin-specific protease from hamster lung-derived cell cultures. <i>In Vitro</i> , 1982, 18, 15-23.	1.2	2
42	CityLab at Boston University â€œ Thirty Years of Innovation and Partnerships. <i>Journal of STEM Outreach</i> , 2020, 3, .	0.3	1
43	Oxidants from Neutrophil Myeloperoxidase Do not Enhance Elastase-Induced Emphysema in the Hamster. <i>Respiration</i> , 1993, 60, 137-143.	1.2	0