

Philip C Trackman

List of Publications by Year in descending order

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110
papers

6,364
citations

50244

46
h-index

69214

77
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112
all docs

112
docs citations

112
times ranked

5711
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced glycation end products stimulate osteoblast apoptosis via the MAP kinase and cytosolic apoptotic pathways. <i>Bone</i> , 2007, 40, 345-353.	1.4	303
2	Properties and Function of Lysyl Oxidase. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1991, 5, 206-210.	1.4	289
3	Multiple Bone Morphogenetic Protein 1-related Mammalian Metalloproteinases Process Pro-lysyl Oxidase at the Correct Physiological Site and Control Lysyl Oxidase Activation in Mouse Embryo Fibroblast Cultures. <i>Journal of Biological Chemistry</i> , 2001, 276, 22537-22543.	1.6	208
4	A Role for Advanced Glycation End Products in Diminished Bone Healing in Type 1 Diabetes. <i>Diabetes</i> , 2003, 52, 1502-1510.	0.3	207
5	A Fluorometric Assay for Detection of Lysyl Oxidase Enzyme Activity in Biological Samples. <i>Analytical Biochemistry</i> , 2002, 300, 245-251.	1.1	199
6	Enhanced Chondrogenesis and Wnt Signaling in PTH-Treated Fractures. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1903-1912.	3.1	196
7	Lysyl oxidase and rrg messenger RNA. <i>Science</i> , 1991, 253, 802-802.	6.0	192
8	Advanced Glycation End Products Enhance Expression of Pro-apoptotic Genes and Stimulate Fibroblast Apoptosis through Cytoplasmic and Mitochondrial Pathways. <i>Journal of Biological Chemistry</i> , 2005, 280, 12087-12095.	1.6	175
9	Post-translational glycosylation and proteolytic processing of a lysyl oxidase precursor.. <i>Journal of Biological Chemistry</i> , 1992, 267, 8666-8671.	1.6	158
10	Enhanced superoxide release and elevated protein kinase C activity in neutrophils from diabetic patients: association with periodontitis. <i>Journal of Leukocyte Biology</i> , 2005, 78, 862-870.	1.5	141
11	Advanced glycation end products induce apoptosis in fibroblasts through activation of ROS, MAP kinases, and the FOXO1 transcription factor. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C850-C856.	2.1	141
12	Diabetes-enhanced Inflammation and Apoptosisâ€™ Impact on Periodontal Pathology. <i>Journal of Dental Research</i> , 2006, 85, 15-21.	2.5	134
13	Connective Tissue Growth Factor in Drug-Induced Gingival Overgrowth. <i>Journal of Periodontology</i> , 2001, 72, 921-931.	1.7	131
14	C<sc>onnective</sc> T<sc>issue</sc> M<sc>etabolism and</sc> G<sc>ingival</sc> O<sc>vergrowth</sc>. <i>Critical Reviews in Oral Biology and Medicine</i> , 2004, 15, 165-175.	4.4	123
15	Cloning of rat aorta lysyl oxidase cDNA: complete codons and predicted amino acid sequence. <i>Biochemistry</i> , 1990, 29, 4863-4870.	1.2	122
16	The Propeptide Domain of Lysyl Oxidase Induces Phenotypic Reversion of Ras-transformed Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 40593-40600.	1.6	122
17	Diverse biological functions of extracellular collagen processing enzymes. <i>Journal of Cellular Biochemistry</i> , 2005, 96, 927-937.	1.2	121
18	Molecular and Clinical Aspects of Drug-induced Gingival Overgrowth. <i>Journal of Dental Research</i> , 2015, 94, 540-546.	2.5	109

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19	Lysyl Oxidase Isoforms and Potential Therapeutic Opportunities for Fibrosis and Cancer. Expert Opinion on Therapeutic Targets, 2016, 20, 935-945.	1.5	107
20	Structural and catalytic properties of copper in lysyl oxidase.. Journal of Biological Chemistry, 1990, 265, 19022-19027.	1.6	105
21	The Tumor Suppressor Activity of the Lysyl Oxidase Propeptide Reverses the Invasive Phenotype of Her-2/neu-Driven Breast Cancer. Cancer Research, 2007, 67, 1105-1112.	0.4	99
22	CCN2, connective tissue growth factor, stimulates collagen deposition by gingival fibroblasts via module 3 and α 6- and β 1 integrins. Journal of Cellular Biochemistry, 2006, 98, 409-420.	1.2	91
23	Pre- and Post-translational Regulation of Lysyl Oxidase by Transforming Growth Factor- β 1 in Osteoblastic MC3T3-E1 Cells. Journal of Biological Chemistry, 1995, 270, 30797-30803.	1.6	87
24	Repression of BCL2 by the Tumor Suppressor Activity of the Lysyl Oxidase Propeptide Inhibits Transformed Phenotype of Lung and Pancreatic Cancer Cells. Cancer Research, 2007, 67, 6278-6285.	0.4	83
25	Epithelial and connective tissue cell CTGF/CCN2 expression in gingival fibrosis. Journal of Pathology, 2006, 210, 59-66.	2.1	79
26	Control of Megakaryocyte Expansion and Bone Marrow Fibrosis by Lysyl Oxidase. Journal of Biological Chemistry, 2011, 286, 27630-27638.	1.6	78
27	Epithelial to Mesenchymal Transition in Gingival Overgrowth. American Journal of Pathology, 2010, 177, 208-218.	1.9	77
28	Development of a peroxidase-coupled fluorometric assay for lysyl oxidase. Analytical Biochemistry, 1981, 113, 336-342.	1.1	76
29	Lysyl oxidase propeptide inhibits prostate cancer cell growth by mechanisms that target FGF-2-cell binding and signaling. Oncogene, 2009, 28, 3390-3400.	2.6	73
30	Nonpeptidyl amine inhibitors are substrates of lysyl oxidase.. Journal of Biological Chemistry, 1979, 254, 7831-7836.	1.6	72
31	A role for lysyl oxidase regulation in the control of normal collagen deposition in differentiating osteoblast cultures. Journal of Cellular Physiology, 2004, 200, 53-62.	2.0	70
32	Enzymatic and non-enzymatic functions of the lysyl oxidase family in bone. Matrix Biology, 2016, 52-54, 7-18.	1.5	70
33	Activation of RAGE induces elevated O ₂ \cdot^- generation by mononuclear phagocytes in diabetes. Journal of Leukocyte Biology, 2007, 81, 520-527.	1.5	67
34	Tissue-specific Mechanisms for CCN2/CTGF Persistence in Fibrotic Gingiva. Journal of Biological Chemistry, 2007, 282, 15416-15429.	1.6	66
35	A Loss-of-Function Polymorphism in the Propeptide Domain of the <i>LOX</i> Gene and Breast Cancer. Cancer Research, 2009, 69, 6685-6693.	0.4	64
36	High Glucose Increases Lysyl Oxidase Expression and Activity in Retinal Endothelial Cells: Mechanism for Compromised Extracellular Matrix Barrier Function. Diabetes, 2010, 59, 3159-3166.	0.3	61

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37	Increased mRNAs for procollagens and key regulating enzymes in rat skeletal muscle following downhill running. Pflugers Archiv European Journal of Physiology, 1999, 437, 857-864.	1.3	58
38	The Lysyl Oxidase Pro-peptide Attenuates Fibronectin-mediated Activation of Focal Adhesion Kinase and p130Cas in Breast Cancer Cells. Journal of Biological Chemistry, 2009, 284, 1385-1393.	1.6	58
39	The Complete Derived Amino Acid Sequence of Human Lysyl Oxidase and Assignment of the Gene to Chromosomes 5. Matrix Biology, 1992, 12, 242-248.	1.8	56
40	Apoptosis in Gingival Overgrowth Tissues. Journal of Dental Research, 2007, 86, 888-892.	2.5	56
41	Lysyl Oxidase (Lox) Gene Deficiency Affects Osteoblastic Phenotype. Calcified Tissue International, 2009, 85, 119-126.	1.5	54
42	The metabolism of 1-phospho-5-methylthioribose. Biochemical and Biophysical Research Communications, 1981, 103, 1238-1244.	1.0	52
43	Collagen advanced glycation inhibits its Discoidin Domain Receptor 2 (DDR2)-mediated induction of lysyl oxidase in osteoblasts. Bone, 2014, 58, 33-41.	1.4	51
44	Lysyl oxidase propeptide inhibits smooth muscle cell signaling and proliferation. Biochemical and Biophysical Research Communications, 2008, 366, 156-161.	1.0	50
45	Transforming Growth Factor- β 21 (TGF β 21) Stimulates Connective Tissue Growth Factor (CCN2/CTGF) Expression in Human Gingival Fibroblasts through a RhoA-independent, Rac1/Cdc42-dependent Mechanism. Journal of Biological Chemistry, 2008, 283, 10835-10847.	1.6	49
46	Lysyl Oxidase Propeptide Inhibits FGF-2-induced Signaling and Proliferation of Osteoblasts. Journal of Biological Chemistry, 2010, 285, 7384-7393.	1.6	46
47	Cytokine Regulation of Gingival Fibroblast Lysyl Oxidase, Collagen, and Elastin. Journal of Periodontology, 2002, 73, 145-152.	1.7	45
48	Lysyl Oxidase Gene Expression and Enzyme Activity in the Rat Ovary: Regulation by Follicle-Stimulating Hormone, Androgen, and Transforming Growth Factor- β 2 Superfamily Members In Vitro. Endocrinology, 2003, 144, 154-162.	1.4	45
49	Hereditary Gingival Fibromatosis Associated With Generalized Aggressive Periodontitis: A Case Report. Journal of Periodontology, 2004, 75, 770-778.	1.7	45
50	Role of Lysyl Oxidase Propeptide in Secretion and Enzyme Activity. Journal of Cellular Biochemistry, 2010, 111, 1231-1243.	1.2	44
51	Intracellular distribution of the lysyl oxidase propeptide in osteoblastic cells. American Journal of Physiology - Cell Physiology, 2007, 292, C2095-C2102.	2.1	42
52	Mechanism for oral tumor cell lysyl oxidase like-2 in cancer development: synergy with PDGF-AB. Oncogenesis, 2019, 8, 34.	2.1	42
53	The Lysyl Oxidase Propeptide Interacts with the Receptor-Type Protein Tyrosine Phosphatase Kappa and Inhibits β 2-Catenin Transcriptional Activity in Lung Cancer Cells. Molecular and Cellular Biology, 2011, 31, 3286-3297.	1.1	40
54	Recombinant Lysyl Oxidase Propeptide Protein Inhibits Growth and Promotes Apoptosis of Pre-Existing Murine Breast Cancer Xenografts. PLoS ONE, 2012, 7, e31188.	1.1	38

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55	Lysyl Oxidase-like-2 (LOXL2) Is a Major Isoform in Chondrocytes and Is Critically Required for Differentiation. <i>Journal of Biological Chemistry</i> , 2011, 286, 909-918.	1.6	37
56	Loss of Basement Membrane Integrity in Human Gingival Overgrowth. <i>Journal of Dental Research</i> , 2011, 90, 887-893.	2.5	36
57	Regulation of Collagen Deposition and Lysyl Oxidase by Tumor Necrosis Factor- α in Osteoblasts. <i>Journal of Biological Chemistry</i> , 2004, 279, 30060-30065.	1.6	35
58	The Ras Signaling Inhibitor LOX-PP Interacts with Hsp70 and c-Raf To Reduce Erk Activation and Transformed Phenotype of Breast Cancer Cells. <i>Molecular and Cellular Biology</i> , 2011, 31, 2683-2695.	1.1	35
59	Characterization and developmental expression of chick aortic lysyl oxidase.. <i>Journal of Biological Chemistry</i> , 1992, 267, 24199-24206.	1.6	35
60	Characterization of Recombinant Lysyl Oxidase Propeptide. <i>Biochemistry</i> , 2010, 49, 2962-2972.	1.2	34
61	Regulation of Lysyl Oxidase by Basic Fibroblast Growth Factor in Osteoblastic MC3T3-E1 Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 6411-6416.	1.6	33
62	Orthotopic non-metastatic and metastatic oral cancer mouse models. <i>Oral Oncology</i> , 2015, 51, 476-482.	0.8	33
63	Lysyl oxidase is associated with increased thrombosis and platelet reactivity. <i>Blood</i> , 2016, 127, 1493-1501.	0.6	33
64	Functional importance of lysyl oxidase family propeptide regions. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 45-53.	1.8	32
65	Molecular Events that Contribute to Lysyl Oxidase Enzyme Activity and Insoluble Collagen Accumulation in Osteosarcoma Cell Clones. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 1189-1197.	3.1	31
66	Stimulation of osteoblasts with Emdogain increases the expression of specific mineralization markers. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 106, 304-308.	1.6	31
67	Blimp1 Activation by AP-1 in Human Lung Cancer Cells Promotes a Migratory Phenotype and Is Inhibited by the Lysyl Oxidase Propeptide. <i>PLoS ONE</i> , 2012, 7, e33287.	1.1	27
68	Inflammation-associated lysyl oxidase protein expression in vivo, and modulation by FGF-2 plus IGF-1. <i>Histochemistry and Cell Biology</i> , 1998, 110, 9-14.	0.8	25
69	Determination of cell uptake pathways for tumor inhibitor lysyl oxidase propeptide. <i>Molecular Oncology</i> , 2016, 10, 1-23.	2.1	25
70	Controlled release of fibroblast growth factor 2 stimulates bone healing in an animal model of diabetes mellitus. <i>International Journal of Oral and Maxillofacial Implants</i> , 2006, 21, 711-8.	0.6	25
71	Expression of metalloproteinases and their tissue inhibitors in inflamed gingival biopsies. <i>Journal of Periodontal Research</i> , 2008, 43, 570-577.	1.4	24
72	Functional analysis of the promoter and first intron of the human lysyl oxidase gene. <i>Molecular Biology Reports</i> , 1996, 23, 97-108.	1.0	23

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73	Lysyl oxidase propeptide sensitizes pancreatic and breast cancer cells to doxorubicin-induced apoptosis. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1160-1168.	1.2	23
74	Induction of lung lysyl oxidase activity and lysyl oxidase protein by exposure of rats to cadmium chloride: properties of the induced enzyme. <i>Connective Tissue Research</i> , 1991, 25, 197-208.	1.1	21
75	Studies on Lysyl Oxidase of Bovine Ligamentum Nuchae and Bovine Aorta. <i>Advances in Experimental Medicine and Biology</i> , 1977, 79, 531-542.	0.8	21
76	Autocrine Growth Factor Regulation of Lysyl Oxidase Expression in Transformed Fibroblasts. <i>Journal of Biological Chemistry</i> , 2003, 278, 30781-30787.	1.6	20
77	A Novel Function for Lysyl Oxidase in Pluripotent Mesenchymal Cell Proliferation and Relevance to Inflammation-Associated Osteopenia. <i>PLoS ONE</i> , 2014, 9, e100669.	1.1	20
78	Sex-Linked Skeletal Phenotype of Lysyl Oxidase Like-1 Mutant Mice. <i>Calcified Tissue International</i> , 2016, 98, 172-185.	1.5	19
79	UXT Is a LOX-PP Interacting Protein That Modulates Estrogen Receptor Alpha Activity in Breast Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2347-2356.	1.2	19
80	Hypoxia-Inducible Factor 1-Regulated Lysyl Oxidase Is Involved in Staphylococcus aureus Abscess Formation. <i>Infection and Immunity</i> , 2013, 81, 2562-2573.	1.0	16
81	Downregulation of Lysyl Oxidase Protects Retinal Endothelial Cells From High Glucose-Induced Apoptosis. , 2017, 58, 2725.		16
82	Inhibition of CIN85-Mediated Invasion by a Novel SH3 Domain Binding Motif in the Lysyl Oxidase Propeptide. <i>PLoS ONE</i> , 2013, 8, e77288.	1.1	15
83	Lysyl oxidase propeptide stimulates osteoblast and osteoclast differentiation and enhances PC3 and DU145 prostate cancer cell effects on bone in vivo. <i>Journal of Cell Communication and Signaling</i> , 2016, 10, 17-31.	1.8	15
84	Prevention of Phenytoin-Induced Gingival Overgrowth by Lovastatin in Mice. <i>American Journal of Pathology</i> , 2015, 185, 1588-1599.	1.9	14
85	Effects of High Glucose-Induced Lysyl Oxidase Propeptide on Retinal Endothelial Cell Survival. <i>American Journal of Pathology</i> , 2019, 189, 1945-1952.	1.9	13
86	A procollagen C-proteinase inhibitor diminishes collagen and lysyl oxidase processing but not collagen cross-linking in osteoblastic cultures. <i>Journal of Cellular Physiology</i> , 2005, 203, 111-117.	2.0	12
87	TGF- β 1- and CCN2-Stimulated Sirius Red Assay for Collagen Accumulation in Cultured Cells. <i>Methods in Molecular Biology</i> , 2017, 1489, 481-485.	0.4	12
88	Intracellular retention of mutant lysyl oxidase leads to aortic dilation in response to increased hemodynamic stress. <i>JCI Insight</i> , 2019, 4, .	2.3	12
89	Requirement for active glycogen synthase kinase-3 β in TGF- β 1 upregulation of connective tissue growth factor (CCN2/CTGF) levels in human gingival fibroblasts. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C581-C590.	2.1	11
90	Impaired Gastric Hormone Regulation of Osteoblasts and Lysyl Oxidase Drives Bone Disease in Diabetes Mellitus. <i>JBMR Plus</i> , 2019, 3, e10212.	1.3	11

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91	Reaction of lysyl oxidase with trans-2-phenylcyclopropylamine. <i>Journal of Biological Chemistry</i> , 1993, 268, 11580-11585.	1.6	11
92	Regulation of MMP-9 expression by the A2b adenosine receptor and its dependency on TNF- $\hat{\pm}$ signaling. <i>Experimental Hematology</i> , 2011, 39, 525-530.	0.2	9
93	Oral Sciences PhD Program Enrollment, Graduates, and Placement: 1994 to 2016. <i>Journal of Dental Research</i> , 2018, 97, 483-491.	2.5	8
94	Multiple Functions of Lysyl Oxidase Like-2 in Oral Fibroproliferative Processes. <i>Journal of Dental Research</i> , 2018, 97, 1277-1284.	2.5	8
95	Measurement of lysyl oxidase activity from small tissue samples and cell cultures. <i>Methods in Cell Biology</i> , 2018, 143, 147-156.	0.5	8
96	Megakaryocyte polyploidy is inhibited by lysyl oxidase propeptide. <i>Cell Cycle</i> , 2013, 12, 1242-1250.	1.3	7
97	A polymorphism in the lysyl oxidase propeptide domain accelerates carcinogen-induced cancer. <i>Carcinogenesis</i> , 2018, 39, 921-930.	1.3	7
98	The 3 $\hat{\epsilon}$ -untranslated region of rat lysyl oxidase cDNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1260, 355-360.	2.4	6
99	Diabetes-induced fibrotic matrix inhibits intramembranous bone healing. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 19-26.	1.8	6
100	$\hat{\beta}$ -Catenin mediates glucose-dependent insulinotropic polypeptide increases in lysyl oxidase expression in osteoblasts. <i>Bone Reports</i> , 2021, 14, 101063.	0.2	4
101	TGF- $\hat{\gamma}$ 1 Regulation of Gingival Lysyl Oxidase and Connective Tissue Growth Factor. , 2000, , 77-82.		4
102	Functions and Mechanisms of Pro-Lysyl Oxidase Processing in Cancers and Eye Pathologies with a Focus on Diabetic Retinopathy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5088.	1.8	3
103	Two Functions of Lysyl Oxidases: Extracellular Matrix Maturation and Cell Proliferation. <i>FASEB Journal</i> , 2015, 29, 570.18.	0.2	1
104	An interesting perspective on a well-studied pathway: does type III TGF- $\hat{\beta}$ receptor have therapeutic potential?. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 103-103.	1.8	0
105	Fibrosis and Cancer. , 2014, , 1-4.		0
106	Fibrosis and Cancer. , 2014, , 1722-1725.		0
107	Enzymology of Lysyl Oxidase. , 1989, , 317-326.		0
108	Studies on the Properties and Role of the Organic Cofactor in Lysyl Oxidase. , 1991, , 475-482.		0

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109	From the ECM to Thrombosis: a New Role for the Matrix Enzyme Lysyl Oxidase. FASEB Journal, 2015, 29, 719.11.	0.2	0
110	Abstract 4498: Lysyl oxidase like-2 mediates tumor to stromal cell communication in oral cancer. , 2018, , .		0