

Philip C Trackman

List of Publications by Year in descending order

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110
papers

6,364
citations

50244

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69214

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112
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times ranked

5711
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Î²-Catenin mediates glucose-dependent insulinotropic polypeptide increases in lysyl oxidase expression in osteoblasts. <i>Bone Reports</i> , 2021, 14, 101063. | 0.2 | 4 |
| 3 | 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 |
| 4 | Effects of High Glucoseâ€“Induced Lysyl Oxidase Propeptide on Retinal Endothelial Cell Survival. <i>American Journal of Pathology</i> , 2019, 189, 1945-1952. | 1.9 | 13 |
| 5 | Mechanism for oral tumor cell lysyl oxidase like-2 in cancer development: synergy with PDGF-AB. <i>Oncogenesis</i> , 2019, 8, 34. | 2.1 | 42 |
| 6 | 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 |
| 7 | Oral Sciences PhD Program Enrollment, Graduates, and Placement: 1994 to 2016. <i>Journal of Dental Research</i> , 2018, 97, 483-491. | 2.5 | 8 |
| 8 | A polymorphism in the lysyl oxidase propeptide domain accelerates carcinogen-induced cancer. <i>Carcinogenesis</i> , 2018, 39, 921-930. | 1.3 | 7 |
| 9 | Functional importance of lysyl oxidase family propeptide regions. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 45-53. | 1.8 | 32 |
| 10 | Multiple Functions of Lysyl Oxidase Like-2 in Oral Fibroproliferative Processes. <i>Journal of Dental Research</i> , 2018, 97, 1277-1284. | 2.5 | 8 |
| 11 | 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 |
| 12 | Abstract 4498: Lysyl oxidase like-2 mediates tumor to stromal cell communication in oral cancer. , 2018, , . | | 0 |
| 13 | 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 |
| 14 | TGF-Î²1- 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 |
| 15 | Downregulation of Lysyl Oxidase Protects Retinal Endothelial Cells From High Glucoseâ€“Induced Apoptosis. , 2017, 58, 2725. | | 16 |
| 16 | Lysyl oxidase is associated with increased thrombosis and platelet reactivity. <i>Blood</i> , 2016, 127, 1493-1501. | 0.6 | 33 |
| 17 | Sex-Linked Skeletal Phenotype of Lysyl Oxidase Like-1 Mutant Mice. <i>Calcified Tissue International</i> , 2016, 98, 172-185. | 1.5 | 19 |
| 18 | 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 |

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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 | Enzymatic and non-enzymatic functions of the lysyl oxidase family in bone. Matrix Biology, 2016, 52-54, 7-18. | 1.5 | 70 |
| 21 | Determination of cell uptake pathways for tumor inhibitor lysyl oxidase propeptide. Molecular Oncology, 2016, 10, 1-23. | 2.1 | 25 |
| 22 | Prevention of Phenytoin-Induced Gingival Overgrowth by Lovastatin in Mice. American Journal of Pathology, 2015, 185, 1588-1599. | 1.9 | 14 |
| 23 | Molecular and Clinical Aspects of Drug-induced Gingival Overgrowth. Journal of Dental Research, 2015, 94, 540-546. | 2.5 | 109 |
| 24 | Diabetes-induced fibrotic matrix inhibits intramembranous bone healing. Journal of Cell Communication and Signaling, 2015, 9, 19-26. | 1.8 | 6 |
| 25 | Orthotopic non-metastatic and metastatic oral cancer mouse models. Oral Oncology, 2015, 51, 476-482. | 0.8 | 33 |
| 26 | An interesting perspective on a well-studied pathway: does type III TGF- β receptor have therapeutic potential?. Journal of Cell Communication and Signaling, 2015, 9, 103-103. | 1.8 | 0 |
| 27 | From the ECM to Thrombosis: a New Role for the Matrix Enzyme Lysyl Oxidase. FASEB Journal, 2015, 29, 719.11. | 0.2 | 0 |
| 28 | Two Functions of Lysyl Oxidases: Extracellular Matrix Maturation and Cell Proliferation. FASEB Journal, 2015, 29, 570.18. | 0.2 | 1 |
| 29 | 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 |
| 30 | A Novel Function for Lysyl Oxidase in Pluripotent Mesenchymal Cell Proliferation and Relevance to Inflammation-Associated Osteopenia. PLoS ONE, 2014, 9, e100669. | 1.1 | 20 |
| 31 | Fibrosis and Cancer. , 2014, , 1-4. | | 0 |
| 32 | Fibrosis and Cancer. , 2014, , 1722-1725. | | 0 |
| 33 | 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. American Journal of Physiology - Cell Physiology, 2013, 305, C581-C590. | 2.1 | 11 |
| 34 | Hypoxia-Inducible Factor 1-Regulated Lysyl Oxidase Is Involved in Staphylococcus aureus Abscess Formation. Infection and Immunity, 2013, 81, 2562-2573. | 1.0 | 16 |
| 35 | Megakaryocyte polyploidy is inhibited by lysyl oxidase propeptide. Cell Cycle, 2013, 12, 1242-1250. | 1.3 | 7 |
| 36 | Inhibition of CIN85-Mediated Invasion by a Novel SH3 Domain Binding Motif in the Lysyl Oxidase Propeptide. PLoS ONE, 2013, 8, e77288. | 1.1 | 15 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Blimp1 Activation by AP-1 in Human Lung Cancer Cells Promotes a Migratory Phenotype and Is Inhibited by the Lysyl Oxidase Propeptide. PLoS ONE, 2012, 7, e33287. | 1.1 | 27 |
| 39 | The Ras Signaling Inhibitor LOX-PP Interacts with Hsp70 and c-Raf To Reduce Erk Activation and Transformed Phenotype of Breast Cancer Cells. Molecular and Cellular Biology, 2011, 31, 2683-2695. | 1.1 | 35 |
| 40 | Regulation of MMP-9 expression by the A2b adenosine receptor and its dependency on TNF- α signaling. Experimental Hematology, 2011, 39, 525-530. | 0.2 | 9 |
| 41 | Control of Megakaryocyte Expansion and Bone Marrow Fibrosis by Lysyl Oxidase. Journal of Biological Chemistry, 2011, 286, 27630-27638. | 1.6 | 78 |
| 42 | Lysyl Oxidase-like-2 (LOXL2) Is a Major Isoform in Chondrocytes and Is Critically Required for Differentiation. Journal of Biological Chemistry, 2011, 286, 909-918. | 1.6 | 37 |
| 43 | The Lysyl Oxidase Propeptide Interacts with the Receptor-Type Protein Tyrosine Phosphatase Kappa and Inhibits β -Catenin Transcriptional Activity in Lung Cancer Cells. Molecular and Cellular Biology, 2011, 31, 3286-3297. | 1.1 | 40 |
| 44 | Loss of Basement Membrane Integrity in Human Gingival Overgrowth. Journal of Dental Research, 2011, 90, 887-893. | 2.5 | 36 |
| 45 | Lysyl oxidase propeptide sensitizes pancreatic and breast cancer cells to doxorubicin-induced apoptosis. Journal of Cellular Biochemistry, 2010, 111, 1160-1168. | 1.2 | 23 |
| 46 | Role of Lysyl Oxidase Propeptide in Secretion and Enzyme Activity. Journal of Cellular Biochemistry, 2010, 111, 1231-1243. | 1.2 | 44 |
| 47 | 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 |
| 48 | Lysyl Oxidase Propeptide Inhibits FGF-2-induced Signaling and Proliferation of Osteoblasts. Journal of Biological Chemistry, 2010, 285, 7384-7393. | 1.6 | 46 |
| 49 | Characterization of Recombinant Lysyl Oxidase Propeptide. Biochemistry, 2010, 49, 2962-2972. | 1.2 | 34 |
| 50 | Epithelial to Mesenchymal Transition in Gingival Overgrowth. American Journal of Pathology, 2010, 177, 208-218. | 1.9 | 77 |
| 51 | 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 |
| 52 | Lysyl Oxidase (Lox) Gene Deficiency Affects Osteoblastic Phenotype. Calcified Tissue International, 2009, 85, 119-126. | 1.5 | 54 |
| 53 | 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 |
| 54 | 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 |

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| 55 | Expression of metalloproteinases and their tissue inhibitors in inflamed gingival biopsies. <i>Journal of Periodontal Research</i> , 2008, 43, 570-577. | 1.4 | 24 |
| 56 | 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 |
| 57 | Lysyl oxidase propeptide inhibits smooth muscle cell signaling and proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 156-161. | 1.0 | 50 |
| 58 | Transforming Growth Factor- β 1 (TGF β 1) Stimulates Connective Tissue Growth Factor (CCN2/CTGF) Expression in Human Gingival Fibroblasts through a RhoA-independent, Rac1/Cdc42-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2008, 283, 10835-10847. | 1.6 | 49 |
| 59 | Tissue-specific Mechanisms for CCN2/CTGF Persistence in Fibrotic Gingiva. <i>Journal of Biological Chemistry</i> , 2007, 282, 15416-15429. | 1.6 | 66 |
| 60 | Activation of RAGE induces elevated O ₂ \cdot^- generation by mononuclear phagocytes in diabetes. <i>Journal of Leukocyte Biology</i> , 2007, 81, 520-527. | 1.5 | 67 |
| 61 | Intracellular distribution of the lysyl oxidase propeptide in osteoblastic cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C2095-C2102. | 2.1 | 42 |
| 62 | 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 |
| 63 | Apoptosis in Gingival Overgrowth Tissues. <i>Journal of Dental Research</i> , 2007, 86, 888-892. | 2.5 | 56 |
| 64 | 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 |
| 65 | The Tumor Suppressor Activity of the Lysyl Oxidase Propeptide Reverses the Invasive Phenotype of Her-2/neu-Driven Breast Cancer. <i>Cancer Research</i> , 2007, 67, 1105-1112. | 0.4 | 99 |
| 66 | Repression of BCL2 by the Tumor Suppressor Activity of the Lysyl Oxidase Propeptide Inhibits Transformed Phenotype of Lung and Pancreatic Cancer Cells. <i>Cancer Research</i> , 2007, 67, 6278-6285. | 0.4 | 83 |
| 67 | Enhanced Chondrogenesis and Wnt Signaling in PTH-Treated Fractures. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1903-1912. | 3.1 | 196 |
| 68 | Epithelial and connective tissue cell CTGF/CCN2 expression in gingival fibrosis. <i>Journal of Pathology</i> , 2006, 210, 59-66. | 2.1 | 79 |
| 69 | CCN2, connective tissue growth factor, stimulates collagen deposition by gingival fibroblasts via module 3 and α 6- and β 1 integrins. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 409-420. | 1.2 | 91 |
| 70 | Diabetes-enhanced Inflammation and Apoptosis—Impact on Periodontal Pathology. <i>Journal of Dental Research</i> , 2006, 85, 15-21. | 2.5 | 134 |
| 71 | 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 |
| 72 | Diverse biological functions of extracellular collagen processing enzymes. <i>Journal of Cellular Biochemistry</i> , 2005, 96, 927-937. | 1.2 | 121 |

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| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | A role for lysyl oxidase regulation in the control of normal collagen deposition in differentiating osteoblast cultures. <i>Journal of Cellular Physiology</i> , 2004, 200, 53-62. | 2.0 | 70 |
| 79 | Hereditary Gingival Fibromatosis Associated With Generalized Aggressive Periodontitis: A Case Report. <i>Journal of Periodontology</i> , 2004, 75, 770-778. | 1.7 | 45 |
| 80 | Connective Tissue Issue: Metabolism and Gingival Overgrowth. <i>Critical Reviews in Oral Biology and Medicine</i> , 2004, 15, 165-175. | 4.4 | 123 |
| 81 | Autocrine Growth Factor Regulation of Lysyl Oxidase Expression in Transformed Fibroblasts. <i>Journal of Biological Chemistry</i> , 2003, 278, 30781-30787. | 1.6 | 20 |
| 82 | 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 |
| 83 | Lysyl Oxidase Gene Expression and Enzyme Activity in the Rat Ovary: Regulation by Follicle-Stimulating Hormone, Androgen, and Transforming Growth Factor- β Superfamily Members in Vitro. <i>Endocrinology</i> , 2003, 144, 154-162. | 1.4 | 45 |
| 84 | Cytokine Regulation of Gingival Fibroblast Lysyl Oxidase, Collagen, and Elastin. <i>Journal of Periodontology</i> , 2002, 73, 145-152. | 1.7 | 45 |
| 85 | A Fluorometric Assay for Detection of Lysyl Oxidase Enzyme Activity in Biological Samples. <i>Analytical Biochemistry</i> , 2002, 300, 245-251. | 1.1 | 199 |
| 86 | Connective Tissue Growth Factor in Drug-Induced Gingival Overgrowth. <i>Journal of Periodontology</i> , 2001, 72, 921-931. | 1.7 | 131 |
| 87 | 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 |
| 88 | 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 |
| 89 | TGF- β 1 Regulation of Gingival Lysyl Oxidase and Connective Tissue Growth Factor. , 2000, , 77-82. | | 4 |
| 90 | Increased mRNAs for procollagens and key regulating enzymes in rat skeletal muscle following downhill running. <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 437, 857-864. | 1.3 | 58 |

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| 91 | 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 |
| 92 | 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 |
| 93 | 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 |
| 94 | The 3' untranslated region of rat lysyl oxidase cDNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1260, 355-360. | 2.4 | 6 |
| 95 | Pre- and Post-translational Regulation of Lysyl Oxidase by Transforming Growth Factor- β 1 in Osteoblastic MC3T3-E1 Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 30797-30803. | 1.6 | 87 |
| 96 | Reaction of lysyl oxidase with trans-2-phenylcyclopropylamine. <i>Journal of Biological Chemistry</i> , 1993, 268, 11580-11585. | 1.6 | 11 |
| 97 | The Complete Derived Amino Acid Sequence of Human Lysyl Oxidase and Assignment of the Gene to Chromosomes 5. <i>Matrix Biology</i> , 1992, 12, 242-248. | 1.8 | 56 |
| 98 | Characterization and developmental expression of chick aortic lysyl oxidase.. <i>Journal of Biological Chemistry</i> , 1992, 267, 24199-24206. | 1.6 | 35 |
| 99 | Post-translational glycosylation and proteolytic processing of a lysyl oxidase precursor.. <i>Journal of Biological Chemistry</i> , 1992, 267, 8666-8671. | 1.6 | 158 |
| 100 | Lysyl oxidase and rrg messenger RNA. <i>Science</i> , 1991, 253, 802-802. | 6.0 | 192 |
| 101 | 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 |
| 102 | Properties and Function of Lysyl Oxidase. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1991, 5, 206-210. | 1.4 | 289 |
| 103 | Studies on the Properties and Role of the Organic Cofactor in Lysyl Oxidase. , 1991, , 475-482. | | 0 |
| 104 | Cloning of rat aorta lysyl oxidase cDNA: complete codons and predicted amino acid sequence. <i>Biochemistry</i> , 1990, 29, 4863-4870. | 1.2 | 122 |
| 105 | Structural and catalytic properties of copper in lysyl oxidase.. <i>Journal of Biological Chemistry</i> , 1990, 265, 19022-19027. | 1.6 | 105 |
| 106 | Enzymology of Lysyl Oxidase. , 1989, , 317-326. | | 0 |
| 107 | The metabolism of 1-phospho-5-methylthioribose. <i>Biochemical and Biophysical Research Communications</i> , 1981, 103, 1238-1244. | 1.0 | 52 |
| 108 | Development of a peroxidase-coupled fluorometric assay for lysyl oxidase. <i>Analytical Biochemistry</i> , 1981, 113, 336-342. | 1.1 | 76 |

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| 109 | Nonpeptidyl amine inhibitors are substrates of lysyl oxidase.. Journal of Biological Chemistry, 1979, 254, 7831-7836. | 1.6 | 72 |
| 110 | Studies on Lysyl Oxidase of Bovine Ligamentum Nuchae and Bovine Aorta. Advances in Experimental Medicine and Biology, 1977, 79, 531-542. | 0.8 | 21 |