# Xiang-Hang Luo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/676245/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 49 papers | 4,591 citations | 159585 30 h-index | 206112 48 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 5685 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PDGF-BB secreted by preosteoclasts induces angiogenesis during coupling with osteogenesis. Nature Medicine, 2014, 20, 1270-1278. | 30.7 | 641 |
| 2 | A novel microRNA targeting HDAC5 regulates osteoblast differentiation in mice and contributes to primary osteoporosis in humans. Journal of Clinical Investigation, 2009, 119, 3666-3677. | 8.2 | 429 |
| 3 | MicroRNA-188 regulates age-related switch between osteoblast and adipocyte differentiation. Journal of Clinical Investigation, 2015, 125, 1509-1522. | 8.2 | 418 |
| 4 | Adiponectin stimulates human osteoblasts proliferation and differentiation via the MAPK signaling pathway. Experimental Cell Research, 2005, 309, 99-109. | 2.6 | 318 |
| 5 | Adiponectin Stimulates RANKL and Inhibits OPG Expression in Human Osteoblasts Through the MAPK Signaling Pathway. Journal of Bone and Mineral Research, 2006, 21, 1648-1656. | 2.8 | 310 |
| 6 | A Runx2/miR-3960/miR-2861 Regulatory Feedback Loop during Mouse Osteoblast Differentiation. Journal of Biological Chemistry, 2011, 286, 12328-12339. | 3.4 | 207 |
| 7 | MiR-503 Regulates Osteoclastogenesis via Targeting RANK. Journal of Bone and Mineral Research, 2014, 29, 338-347. | 2.8 | 186 |
| 8 | Long noncoding RNA Bmncr regulates mesenchymal stem cell fate during skeletal aging. Journal of Clinical Investigation, 2018, 128, 5251-5266. | 8.2 | 170 |
| 9 | miR-148a regulates osteoclastogenesis by targeting V-maf musculoaponeurotic fibrosarcoma oncogene homolog B. Journal of Bone and Mineral Research, 2013, 28, 1180-1190. | 2.8 | 169 |
| 10 | MiR-497â^¼195 cluster regulates angiogenesis during coupling with osteogenesis by maintaining endothelial Notch and HIF-1Î± activity. Nature Communications, 2017, 8, 16003. | 12.8 | 157 |
| 11 | Bone Marrow Mesenchymal Stem Cells-Derived Exosomal MiR-29b-3p Regulates Aging-Associated Insulin Resistance. ACS Nano, 2019, 13, 2450-2462. | 14.6 | 119 |
| 12 | PGC-1Î± Controls Skeletal Stem Cell Fate and Bone-Fat Balance in Osteoporosis and Skeletal Aging by Inducing TAZ. Cell Stem Cell, 2018, 23, 193-209.e5. | 11.1 | 108 |
| 13 | miR-93/Sp7 function loop mediates osteoblast mineralization. Journal of Bone and Mineral Research, 2012, 27, 1598-1606. | 2.8 | 100 |
| 14 | Development of Arterial Calcification in Adiponectin-Deficient Mice: Adiponectin Regulates Arterial Calcification. Journal of Bone and Mineral Research, 2009, 24, 1461-1468. | 2.8 | 76 |
| 15 | Reducing Hypothalamic Stem Cell Senescence Protects against Aging-Associated Physiological Decline. Cell Metabolism, 2020, 31, 534-548.e5. | 16.2 | 75 |
| 16 | Programmed cell senescence in skeleton during late puberty. Nature Communications, 2017, 8, 1312. | 12.8 | 70 |
| 17 | Senescent immune cells release grancalcin to promote skeletal aging. Cell Metabolism, 2021, 33, 1957-1973.e6. | 16.2 | 70 |
| 18 | Communications Between Bone Marrow Macrophages and Bone Cells in Bone Remodeling. Frontiers in Cell and Developmental Biology, 2020, 8, 598263. | 3.7 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Bone and Muscle Crosstalk in Aging. Frontiers in Cell and Developmental Biology, 2020, 8, 585644. | 3.7 | 63 |
| 20 | Targeting miRNAs in osteoblast differentiation and bone formation. Expert Opinion on Therapeutic Targets, 2010, 14, 1109-1120. | 3.4 | 62 |
| 21 | RhoA determines lineage fate of mesenchymal stem cells by modulating CTGFâ€“VEGF complex in extracellular matrix. Nature Communications, 2016, 7, 11455. | 12.8 | 61 |
| 22 | Obesity and Bone Health: A Complex Link. Frontiers in Cell and Developmental Biology, 2020, 8, 600181. | 3.7 | 59 |
| 23 | Endocrine role of bone in the regulation of energy metabolism. Bone Research, 2021, 9, 25. | 11.4 | 55 |
| 24 | Physical Distancing Measures and Walking Activity in Middle-aged and Older Residents in Changsha, China, During the COVID-19 Epidemic Period: Longitudinal Observational Study. Journal of Medical Internet Research, 2020, 22, e21632. | 4.3 | 49 |
| 25 | Establishment and evaluation of bone mineral density reference databases appropriate for diagnosis and evaluation of osteoporosis in Chinese women. Journal of Bone and Mineral Metabolism, 2003, 21, 184-192. | 2.7 | 47 |
| 26 | Runx2/miR-3960/miR-2861 Positive Feedback Loop Is Responsible for Osteogenic Transdifferentiation of Vascular Smooth Muscle Cells. BioMed Research International, 2015, 2015, 1-7. | 1.9 | 45 |
| 27 | KrÃ¼ppel-like factor 3 inhibition by mutated lncRNA Reg1cp results in human high bone mass syndrome. Journal of Experimental Medicine, 2019, 216, 1944-1964. | 8.5 | 41 |
| 28 | The role of autophagy in bone homeostasis. Journal of Cellular Physiology, 2021, 236, 4152-4173. | 4.1 | 39 |
| 29 | Inhibition of cyclooxygenase-2 activity in subchondral bone modifies a subtype of osteoarthritis. Bone Research, 2019, 7, 29. | 11.4 | 37 |
| 30 | GDF11 Inhibits Bone Formation by Activating Smad2/3 in Bone Marrow Mesenchymal Stem Cells. Calcified Tissue International, 2016, 99, 500-509. | 3.1 | 34 |
| 31 | Current Progress on MicroRNA-Based Gene Delivery in the Treatment of Osteoporosis and Osteoporotic Fracture. International Journal of Endocrinology, 2019, 2019, 1-17. | 1.5 | 34 |
| 32 | Lipoprotein receptorâ€“related protein 6 is required for parathyroid hormoneâ€“induced Sost suppression. Annals of the New York Academy of Sciences, 2016, 1364, 62-73. | 3.8 | 33 |
| 33 | The Role of Bone-Derived Exosomes in Regulating Skeletal Metabolism and Extraosseous Diseases. Frontiers in Cell and Developmental Biology, 2020, 8, 89. | 3.7 | 32 |
| 34 | A mechanosensitive lipolytic factor in the bone marrow promotes osteogenesis and lymphopoiesis. Cell Metabolism, 2022, 34, 1168-1182.e6. | 16.2 | 32 |
| 35 | Effects of Estriol on the Proliferation and Differentiation of Human Osteoblastic MGâ€63 Cells. Endocrine Research, 2003, 29, 343-351. | 1.2 | 24 |
| 36 | Ophiopogonin D promotes bone regeneration by stimulating CD31<sup>hi</sup>EMCN<sup>hi</sup> vessel formation. Cell Proliferation, 2020, 53, e12784. | 5.3 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The role of microRNAs in adipocyte differentiation. Frontiers of Medicine, 2013, 7, 223-230. | 3.4 | 20 |
| 38 | Regulation of bone marrow mesenchymal stem cell fate by long non-coding RNA. Bone, 2020, 141, 115617. | 2.9 | 18 |
| 39 | Membrane-type matrix metalloproteinase-1 (MT1-MMP) is down-regulated in estrogen-deficient rat osteoblast in vivo. Journal of Endocrinological Investigation, 2004, 27, 1-5. | 3.3 | 17 |
| 40 | Parathyroid hormone inhibits the expression of membrane-type matrix metalloproteinase-1 (MT1-MMP) in osteoblast-like MG-63 cells. Journal of Bone and Mineral Metabolism, 2004, 22, 19-25. | 2.7 | 16 |
| 41 | Effects of 17Î²-estradiol on the expression of membrane type 1 matrix metalloproteinase (MT1-MMP) and MMP-2 in human osteoblastic MG-63 cell cultures. Journal of Endocrinological Investigation, 2001, 24, 876-881. | 3.3 | 14 |
| 42 | MicroRNAâ€188 regulates agingâ€associated metabolic phenotype. Aging Cell, 2020, 19, e13077. | 6.7 | 14 |
| 43 | Identification of SCARA3 with potential roles in metabolic disorders. Aging, 2021, 13, 2149-2167. | 3.1 | 12 |
| 44 | 1Î±,25â€Dihydroxyvitamin D3Regulates the Expression of Membraneâ€Type Matrix Metalloproteinaseâ€1 in Normal Human Osteoblastâ€like Cells. Endocrine Research, 2003, 29, 353-362. | 1.2 | 6 |
| 45 | miR-188-3p targets skeletal endothelium coupling of angiogenesis and osteogenesis during ageing. Cell Death and Disease, 2022, 13, . | 6.3 | 6 |
| 46 | Gender differences in a reference database of age-related femoral neck geometric parameters for Chinese population and their association with femoral neck fractures. Bone, 2016, 93, 64-70. | 2.9 | 4 |
| 47 | Long noncoding RNA Gm31629 protects against mucosal damage in experimental colitis via YB-1/E2F pathway. JCI Insight, 2022, 7, . | 5.0 | 4 |
| 48 | New practice in semaglutide on type-2 diabetes and obesity: clinical evidence and expectation. Frontiers of Medicine, 2022, 16, 17-24. | 3.4 | 2 |
| 49 | MicroRNAs and Osteoblasts Differentiation. , 2020, , 439-448. | | 0 |