

Quan Yuan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3753439/quan-yuan-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114
papers

3,306
citations

31
h-index

53
g-index

130
ext. papers

4,416
ext. citations

7.9
avg, IF

5.66
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 114 | Mesenchymal Stem Cell-Based Immunomodulation: Properties and Clinical Application. <i>Stem Cells International</i> , 2018 , 2018, 3057624 | 5 | 236 |
| 113 | The mA methyltransferase METTL3 promotes bladder cancer progression via AFF4/NF-B/MYC signaling network. <i>Oncogene</i> , 2019 , 38, 3667-3680 | 9.2 | 188 |
| 112 | Saliva: potential diagnostic value and transmission of 2019-nCoV. <i>International Journal of Oral Science</i> , 2020 , 12, 11 | 27.9 | 183 |
| 111 | Mettl3-mediated mA RNA methylation regulates the fate of bone marrow mesenchymal stem cells and osteoporosis. <i>Nature Communications</i> , 2018 , 9, 4772 | 17.4 | 153 |
| 110 | Tissue clearing of both hard and soft tissue organs with the PEGASOS method. <i>Cell Research</i> , 2018 , 28, 803-818 | 24.7 | 153 |
| 109 | Targeting BMI1 Cancer Stem Cells Overcomes Chemoresistance and Inhibits Metastases in Squamous Cell Carcinoma. <i>Cell Stem Cell</i> , 2017 , 20, 621-634.e6 | 18 | 144 |
| 108 | Transforming growth factor- β in stem cells and tissue homeostasis. <i>Bone Research</i> , 2018 , 6, 2 | 13.3 | 143 |
| 107 | GDF11 decreases bone mass by stimulating osteoclastogenesis and inhibiting osteoblast differentiation. <i>Nature Communications</i> , 2016 , 7, 12794 | 17.4 | 97 |
| 106 | Intestinal microbiota: a potential target for the treatment of postmenopausal osteoporosis. <i>Bone Research</i> , 2017 , 5, 17046 | 13.3 | 76 |
| 105 | PEGylated polyamidoamine dendrimers with bis-aryl hydrazone linkages for enhanced gene delivery. <i>Biomacromolecules</i> , 2010 , 11, 1940-7 | 6.9 | 75 |
| 104 | Increased osteopontin contributes to inhibition of bone mineralization in FGF23-deficient mice. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 693-704 | 6.3 | 67 |
| 103 | Autophagy in bone homeostasis and the onset of osteoporosis. <i>Bone Research</i> , 2019 , 7, 28 | 13.3 | 64 |
| 102 | Wnt5a promotes inflammatory responses via nuclear factor B (NF-B) and mitogen-activated protein kinase (MAPK) pathways in human dental pulp cells. <i>Journal of Biological Chemistry</i> , 2014 , 289, 21028-39 | 5.4 | 57 |
| 101 | Parathyroid hormone 1 receptor is essential to induce FGF23 production and maintain systemic mineral ion homeostasis. <i>FASEB Journal</i> , 2016 , 30, 428-40 | 0.9 | 51 |
| 100 | Substrate elasticity regulates adipose-derived stromal cell differentiation towards osteogenesis and adipogenesis through β catenin transduction. <i>Acta Biomaterialia</i> , 2018 , 79, 83-95 | 10.8 | 47 |
| 99 | A Novel Nanosilver/Nanosilica Hydrogel for Bone Regeneration in Infected Bone Defects. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13242-50 | 9.5 | 46 |
| 98 | Fibroblast growth factor 23 and bone mineralisation. <i>International Journal of Oral Science</i> , 2015 , 7, 8-13 | 27.9 | 45 |

| | | | |
|----|--|------|----|
| 97 | Ectopic osteogenesis and chondrogenesis of bone marrow stromal stem cells in alginate system. <i>Cell Biology International</i> , 2007 , 31, 776-83 | 4.5 | 45 |
| 96 | FGF-23/Klotho signaling is not essential for the phosphaturic and anabolic functions of PTH. <i>Journal of Bone and Mineral Research</i> , 2011 , 26, 2026-35 | 6.3 | 44 |
| 95 | Initial bone regeneration around fenestrated implants in Beagle dogs using basic fibroblast growth factor-gelatin hydrogel complex with varying biodegradation rates. <i>Journal of Prosthodontic Research</i> , 2009 , 53, 41-7 | 4.3 | 43 |
| 94 | Mechanical stretch inhibits adipogenesis and stimulates osteogenesis of adipose stem cells. <i>Cell Proliferation</i> , 2012 , 45, 158-66 | 7.9 | 42 |
| 93 | Cyclic tensile stretch modulates osteogenic differentiation of adipose-derived stem cells via the BMP-2 pathway. <i>Archives of Medical Science</i> , 2010 , 6, 152-9 | 2.9 | 42 |
| 92 | Effect of combined application of bFGF and inorganic polyphosphate on bioactivities of osteoblasts and initial bone regeneration. <i>Acta Biomaterialia</i> , 2009 , 5, 1716-24 | 10.8 | 39 |
| 91 | Deletion of PTH rescues skeletal abnormalities and high osteopontin levels in Klotho ^{-/-} mice. <i>PLoS Genetics</i> , 2012 , 8, e1002726 | 6 | 37 |
| 90 | Berberine Ameliorates Periodontal Bone Loss by Regulating Gut Microbiota. <i>Journal of Dental Research</i> , 2019 , 98, 107-116 | 8.1 | 36 |
| 89 | Ubiquitin-specific protease USP34 controls osteogenic differentiation and bone formation by regulating BMP2 signaling. <i>EMBO Journal</i> , 2018 , 37, | 13 | 36 |
| 88 | Parathyroid hormone controls paracellular Ca transport in the thick ascending limb by regulating the tight-junction protein Claudin14. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E3344-E3353 | 11.5 | 34 |
| 87 | Vitamin D supplementation enhances the fixation of titanium implants in chronic kidney disease mice. <i>PLoS ONE</i> , 2014 , 9, e95689 | 3.7 | 34 |
| 86 | Alpha-ketoglutarate ameliorates age-related osteoporosis via regulating histone methylations. <i>Nature Communications</i> , 2020 , 11, 5596 | 17.4 | 33 |
| 85 | Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2018 , 46, 1185-1198 | 6.8 | 33 |
| 84 | Co-culture with Schwann cells is an effective way for adipose-derived stem cells neural transdifferentiation. <i>Archives of Medical Science</i> , 2010 , 6, 145-51 | 2.9 | 33 |
| 83 | Research on promoting periodontal regeneration with human basic fibroblast growth factor-modified bone marrow mesenchymal stromal cell gene therapy. <i>Cytotherapy</i> , 2009 , 11, 317-25 | 4.8 | 30 |
| 82 | FGF23 neutralization improves bone quality and osseointegration of titanium implants in chronic kidney disease mice. <i>Scientific Reports</i> , 2015 , 5, 8304 | 4.9 | 29 |
| 81 | Interrelated role of Klotho and calcium-sensing receptor in parathyroid hormone synthesis and parathyroid hyperplasia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3749-E3758 | 11.5 | 28 |
| 80 | Tumour-initiating capacity is independent of epithelial-mesenchymal transition status in breast cancer cell lines. <i>British Journal of Cancer</i> , 2014 , 110, 2514-23 | 8.7 | 28 |

| | | | |
|----|---|------|----|
| 79 | Role of DNA and RNA N6-Adenine Methylation in Regulating Stem Cell Fate. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 31-38 | 3.6 | 27 |
| 78 | Auto-transplanted mesenchymal stromal cell fate in periodontal tissue of beagle dogs. <i>Cytotherapy</i> , 2010 , 12, 514-21 | 4.8 | 27 |
| 77 | Effect of chronic kidney disease on the healing of titanium implants. <i>Bone</i> , 2013 , 56, 410-5 | 4.7 | 26 |
| 76 | KDM4B protects against obesity and metabolic dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E5566-E5575 | 11.5 | 26 |
| 75 | Histone Modifications in Aging: The Underlying Mechanisms and Implications. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 125-135 | 3.6 | 25 |
| 74 | Growth differentiation factor 11 inhibits adipogenic differentiation by activating TGF-beta/Smad signalling pathway. <i>Cell Proliferation</i> , 2019 , 52, e12631 | 7.9 | 23 |
| 73 | Expression of an active Gln mutant in skeletal stem cells is sufficient and necessary for fibrous dysplasia initiation and maintenance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E428-E437 | 11.5 | 23 |
| 72 | Layer-by-layer paper-stacking nanofibrous membranes to deliver adipose-derived stem cells for bone regeneration. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1273-90 | 7.3 | 23 |
| 71 | Effect of gelatin sponge with colloid silver on bone healing in infected cranial defects. <i>Materials Science and Engineering C</i> , 2017 , 70, 371-377 | 8.3 | 22 |
| 70 | PTH ablation ameliorates the anomalies of Fgf23-deficient mice by suppressing the elevated vitamin D and calcium levels. <i>Endocrinology</i> , 2011 , 152, 4053-61 | 4.8 | 22 |
| 69 | Evaluation of periodontitis and bone loss in patients undergoing hemodialysis. <i>Journal of Periodontology</i> , 2014 , 85, 1515-20 | 4.6 | 21 |
| 68 | FGF23 deficiency leads to mixed hearing loss and middle ear malformation in mice. <i>PLoS ONE</i> , 2014 , 9, e107681 | 3.7 | 20 |
| 67 | AFF1 and AFF4 differentially regulate the osteogenic differentiation of human MSCs. <i>Bone Research</i> , 2017 , 5, 17044 | 13.3 | 19 |
| 66 | Interaction between Schwann cells and osteoblasts in vitro. <i>International Journal of Oral Science</i> , 2010 , 2, 74-81 | 27.9 | 18 |
| 65 | Tissue Clearing and Its Application to Bone and Dental Tissues. <i>Journal of Dental Research</i> , 2019 , 98, 621-631 | 8.1 | 17 |
| 64 | Ubiquitin-Specific Protease 34 Inhibits Osteoclast Differentiation by Regulating NF-B Signaling. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1597-1608 | 6.3 | 17 |
| 63 | Cysteine dioxygenase type 1 promotes adipogenesis via interaction with peroxisome proliferator-activated receptor gamma. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 458, 123-7 | 3.4 | 17 |
| 62 | Multifunctional Biomaterial Coating Based on Bio-Inspired Polyphosphate and Lysozyme Supramolecular Nanofilm. <i>Biomacromolecules</i> , 2018 , 19, 1979-1989 | 6.9 | 16 |

| | | | |
|----|--|------|----|
| 61 | Metformin ameliorates the NLPP3 inflammasome mediated pyroptosis by inhibiting the expression of NEK7 in diabetic periodontitis. <i>Archives of Oral Biology</i> , 2020 , 116, 104763 | 2.8 | 16 |
| 60 | Loss of KDM4B exacerbates bone-fat imbalance and mesenchymal stromal cell exhaustion in skeletal aging. <i>Cell Stem Cell</i> , 2021 , 28, 1057-1073.e7 | 18 | 16 |
| 59 | Diphtheria Toxin- and GFP-Based Mouse Models of Acquired Hypoparathyroidism and Treatment With a Long-Acting Parathyroid Hormone Analog. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 975-84 | 6.3 | 16 |
| 58 | LepR-Expressing Stem Cells Are Essential for Alveolar Bone Regeneration. <i>Journal of Dental Research</i> , 2020 , 99, 1279-1286 | 8.1 | 15 |
| 57 | Dental implant treatment for renal failure patients on dialysis: a clinical guideline. <i>International Journal of Oral Science</i> , 2017 , 9, 125-132 | 27.9 | 15 |
| 56 | Marginal bone loss around non-submerged implants is associated with salivary microbiome during bone healing. <i>International Journal of Oral Science</i> , 2017 , 9, 95-103 | 27.9 | 14 |
| 55 | Hyperglycemia-induced inflamm-aging accelerates gingival senescence via NLRC4 phosphorylation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18807-18819 | 5.4 | 14 |
| 54 | Epiregulin enhances odontoblastic differentiation of dental pulp stem cells via activating MAPK signalling pathway. <i>Cell Proliferation</i> , 2019 , 52, e12680 | 7.9 | 13 |
| 53 | The inlay osteotome sinus augmentation technique for placing short implants simultaneously with reduced crestal bone height. A short-term follow-up. <i>Clinical Implant Dentistry and Related Research</i> , 2013 , 15, 918-26 | 3.9 | 13 |
| 52 | Smoking May Lead to Marginal Bone Loss Around Non-Submerged Implants During Bone Healing by Altering Salivary Microbiome: A Prospective Study. <i>Journal of Periodontology</i> , 2017 , 88, 1297-1308 | 4.6 | 13 |
| 51 | Evaluation of the oral health status in Chinese hemodialysis patients. <i>Hemodialysis International</i> , 2014 , 18, 668-73 | 1.7 | 13 |
| 50 | Mapping the immune microenvironment for mandibular alveolar bone homeostasis at single-cell resolution. <i>Bone Research</i> , 2021 , 9, 17 | 13.3 | 13 |
| 49 | METTL3-Mediated m A mRNA Methylation Modulates Tooth Root Formation by Affecting NFIC Translation. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 412-423 | 6.3 | 13 |
| 48 | Aberrant activation of latent transforming growth factor- β initiates the onset of temporomandibular joint osteoarthritis. <i>Bone Research</i> , 2018 , 6, 26 | 13.3 | 13 |
| 47 | Chronic Kidney Disease Impairs Bone Defect Healing in Rats. <i>Scientific Reports</i> , 2016 , 6, 23041 | 4.9 | 12 |
| 46 | Estrogen Deficiency Leads to Further Bone Loss in the Mandible of CKD Mice. <i>PLoS ONE</i> , 2016 , 11, e0148804 | 3.9 | 12 |
| 45 | N(6)-Methyladenosine Methyltransferases and Demethylases: New Regulators of Stem Cell Pluripotency and Differentiation. <i>Stem Cells and Development</i> , 2016 , 25, 1050-9 | 4.4 | 12 |
| 44 | In silico genome-wide identification of m6A-associated SNPs as potential functional variants for periodontitis. <i>Journal of Cellular Physiology</i> , 2020 , 235, 900-908 | 7 | 12 |

| | | | |
|----|--|------|----|
| 43 | Effect of FK-506 (tacrolimus) therapy on bone healing of titanium implants: a histometric and biomechanical study in mice. <i>European Journal of Oral Sciences</i> , 2017 , 125, 28-33 | 2.3 | 11 |
| 42 | Immediate implant placement into posterior sockets with or without buccal bone dehiscence defects: A retrospective cohort study. <i>Journal of Dentistry</i> , 2017 , 65, 95-100 | 4.8 | 11 |
| 41 | Effect of estrogen deficiency on the fixation of titanium implants in chronic kidney disease mice. <i>Osteoporosis International</i> , 2015 , 26, 1073-80 | 5.3 | 10 |
| 40 | The AlkB Family of Fe (II)/Alpha-Ketoglutarate-Dependent Dioxygenases Modulates Embryogenesis through Epigenetic Regulation. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 136-143 | 3.6 | 10 |
| 39 | Deubiquitinating Enzymes and Bone Remodeling. <i>Stem Cells International</i> , 2018 , 2018, 3712083 | 5 | 9 |
| 38 | Inorganic polyphosphates stimulate FGF23 expression through the FGFR pathway. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 428, 298-302 | 3.4 | 9 |
| 37 | Effect of FDC-SP on the phenotype expression of cultured periodontal ligament cells. <i>Archives of Medical Science</i> , 2011 , 7, 235-41 | 2.9 | 9 |
| 36 | Assessment of residual alveolar bone volume in hemodialysis patients using CBCT. <i>Clinical Oral Investigations</i> , 2015 , 19, 1619-24 | 4.2 | 8 |
| 35 | Role of PTH1R Signaling in Prx1 Mesenchymal Progenitors during Eruption. <i>Journal of Dental Research</i> , 2020 , 99, 1296-1305 | 8.1 | 8 |
| 34 | AFF4 regulates osteogenic differentiation of human dental follicle cells. <i>International Journal of Oral Science</i> , 2020 , 12, 20 | 27.9 | 8 |
| 33 | Schwann cell graft: a method to promote sensory responses of osseointegrated implants. <i>Medical Hypotheses</i> , 2007 , 69, 800-3 | 3.8 | 8 |
| 32 | Substrate elasticity regulates vascular endothelial growth factor A (VEGFA) expression in adipose-derived stromal cells: Implications for potential angiogenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 175, 576-585 | 6 | 8 |
| 31 | CGRP-alpha application: a potential treatment to improve osseoperception of endosseous dental implants. <i>Medical Hypotheses</i> , 2013 , 81, 297-9 | 3.8 | 7 |
| 30 | Spatial Distributions, Characteristics, and Applications of Craniofacial Stem Cells. <i>Stem Cells International</i> , 2020 , 2020, 8868593 | 5 | 7 |
| 29 | Recombinant growth differentiation factor 11 impairs fracture healing through inhibiting chondrocyte differentiation. <i>Annals of the New York Academy of Sciences</i> , 2019 , 1440, 54-66 | 6.5 | 7 |
| 28 | AFF1 inhibits adipogenic differentiation via targeting TGM2 transcription. <i>Cell Proliferation</i> , 2020 , 53, e12831 | 7.9 | 6 |
| 27 | Dual-Functional Biomaterials for Bone Regeneration and Infection Control. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014 , 4, 875-885 | 0.3 | 6 |
| 26 | ANGPTL4-mediated promotion of glycolysis facilitates the colonization of <i>Fusobacterium nucleatum</i> in colorectal cancer. <i>Cancer Research</i> , 2021 , | 10.1 | 6 |

| | | | |
|----|---|------|---|
| 25 | Probiotics ameliorate alveolar bone loss by regulating gut microbiota. <i>Cell Proliferation</i> , 2021 , 54, e13075.9 | 5.9 | 6 |
| 24 | Effect of Resorbable Collagen Plug on Bone Regeneration in Rat Critical-Size Defect Model. <i>Implant Dentistry</i> , 2016 , 25, 163-70 | 2.4 | 6 |
| 23 | CTGF facilitates cell-cell communication in chondrocytes via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , 2021 , 54, e13001 | 7.9 | 5 |
| 22 | Growth differentiation factor 11 impairs titanium implant healing in the femur and leads to mandibular bone loss. <i>Journal of Periodontology</i> , 2020 , 91, 1203-1212 | 4.6 | 3 |
| 21 | Mettl5 mediated 18S rRNA N6-methyladenosine (mA) modification controls stem cell fate determination and neural function.. <i>Genes and Diseases</i> , 2022 , 9, 268-274 | 6.6 | 3 |
| 20 | Integrative Genomic Analysis Predicts Regulatory Role of -Methyladenosine-Associated SNPs for Adiposity. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 551 | 5.7 | 3 |
| 19 | Endogenous GDF11 regulates odontogenic differentiation of dental pulp stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 11457-11464 | 5.6 | 3 |
| 18 | USP34 regulates tooth root morphogenesis by stabilizing NFIC. <i>International Journal of Oral Science</i> , 2021 , 13, 7 | 27.9 | 3 |
| 17 | DNA demethylase ALKBH1 promotes adipogenic differentiation via regulation of HIF-1 signaling.. <i>Journal of Biological Chemistry</i> , 2021 , 101499 | 5.4 | 2 |
| 16 | Salivary microbiome in patients undergoing hemodialysis and its associations with the duration of the dialysis. <i>BMC Nephrology</i> , 2020 , 21, 414 | 2.7 | 2 |
| 15 | CBD Promotes Oral Ulcer Healing via Inhibiting CMPK2-Mediated Inflammasome. <i>Journal of Dental Research</i> , 2021 , 220345211024528 | 8.1 | 2 |
| 14 | Inflammation-targeted cannabidiol-loaded nanomicelles for enhanced oral mucositis treatment.. <i>Drug Delivery</i> , 2022 , 29, 1272-1281 | 7 | 2 |
| 13 | Two Techniques to Create Hypoparathyroid Mice: Parathyroidectomy Using GFP Glands and Diphtheria-Toxin-Mediated Parathyroid Ablation. <i>Journal of Visualized Experiments</i> , 2017 , | 1.6 | 1 |
| 12 | Three-dimensional intravital imaging in bone research. <i>Journal of Biophotonics</i> , 2019 , 12, e201960075 | 3.1 | 1 |
| 11 | The role of USP34 in the fixation of titanium implants in murine models. <i>European Journal of Oral Sciences</i> , 2020 , 128, 211-217 | 2.3 | 1 |
| 10 | Osteogenic growth peptide (OGP)-loaded amphiphilic peptide (NapFFY) supramolecular hydrogel promotes osteogenesis and bone tissue reconstruction.. <i>International Journal of Biological Macromolecules</i> , 2021 , 195, 558-564 | 7.9 | 1 |
| 9 | β-Aminobutyric Acid Promotes Osteogenic Differentiation of Mesenchymal Stem Cells by Inducing TNFAIP3. <i>Current Gene Therapy</i> , 2020 , 20, 152-161 | 4.3 | 1 |
| 8 | Management of systemic risk factors ahead of dental implant therapy: A beard well lathered is half shaved. <i>Journal of Leukocyte Biology</i> , 2021 , 110, 591-604 | 6.5 | 1 |

| | | | |
|---|---|------|---|
| 7 | Klotho in Osx-mesenchymal progenitors exerts pro-osteogenic and anti-inflammatory effects during mandibular alveolar bone formation and repair.. <i>Signal Transduction and Targeted Therapy</i> , 2022 , 7, 155 | 21 | 1 |
| 6 | Ubiquitin-specific protease USP 34 controls osteogenic differentiation and bone formation by regulating BMP 2 signaling. <i>EMBO Journal</i> , 2020 , 39, e105578 | 13 | 0 |
| 5 | Challenges of Stem-cell-based Craniofacial Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2021 , 16, 670-682 | 3.6 | 0 |
| 4 | Loss Causes Chondrocyte Fate Conversion in Cranial Suture Formation.. <i>Journal of Dental Research</i> , 2022 , 220345221075215 | 8.1 | 0 |
| 3 | METTL3-mediated mA RNA methylation regulates dorsal lingual epithelium homeostasis.. <i>International Journal of Oral Science</i> , 2022 , 14, 26 | 27.9 | 0 |
| 2 | N6-methyladenosine (m6A) modification of ribosomal RNAs (rRNAs): Critical roles in mRNA translation and diseases. <i>Genes and Diseases</i> , 2021 , | 6.6 | |
| 1 | Single-Cell Transcriptomic Atlas of Gingival Mucosa in Type 2 Diabetes. <i>Journal of Dental Research</i> ,002203452210927 | 3.4 | 0 |