Quan Yuan

List of Publications by Year in Descending Order

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	Mettl5 mediated 18S rRNA N6-methyladenosine (mA) modification controls stem cell fate determination and neural function.. *Genes and Diseases*, **2022**, 9, 268-274	6.6	3
113	Loss Causes Chondrocyte Fate Conversion in Cranial Suture Formation.. *Journal of Dental Research*, **2022**, 220345221075215	8.1	0
112	Inflammation-targeted cannabidiol-loaded nanomicelles for enhanced oral mucositis treatment.. *Drug Delivery*, **2022**, 29, 1272-1281	7	2
111	Klotho in Osx-mesenchymal progenitors exerts pro-osteogenic and anti-inflammatory effects during mandibular alveolar bone formation and repair.. *Signal Transduction and Targeted Therapy*, **2022**, 7, 155	21	1
110	METTL3-mediated mA RNA methylation regulates dorsal lingual epithelium homeostasis.. *International Journal of Oral Science*, **2022**, 14, 26	27.9	0
109	Osteogenic growth peptide (OGP)-loaded amphiphilic peptide (NapFFY) supramolecular hydrogel promotes osteogenesis and bone tissue reconstruction.. *International Journal of Biological Macromolecules*, **2021**, 195, 558-564	7.9	1
108	DNA demethylase ALKBH1 promotes adipogenic differentiation via regulation of HIF-1 signaling.. *Journal of Biological Chemistry*, **2021**, 101499	5.4	2
107	N6-methyladenosine (m6A) modification of ribosomal RNAs (rRNAs): Critical roles in mRNA translation and diseases. *Genes and Diseases*, **2021**,	6.6	
106	ANGPTL4-mediated promotion of glycolysis facilitates the colonization of Fusobacterium nucleatum in colorectal cancer. *Cancer Research*, **2021**,	10.1	6
105	USP34 regulates tooth root morphogenesis by stabilizing NFIC. *International Journal of Oral Science* , **2021**, 13, 7	27.9	3
104	Mapping the immune microenvironment for mandibular alveolar bone homeostasis at single-cell resolution. *Bone Research*, **2021**, 9, 17	13.3	13
103	Probiotics ameliorate alveolar bone loss by regulating gut microbiota. *Cell Proliferation*, **2021**, 54, e13075	7.9	6
102	Loss of KDM4B exacerbates bone-fat imbalance and mesenchymal stromal cell exhaustion in skeletal aging. *Cell Stem Cell*, **2021**, 28, 1057-1073.e7	18	16
101	CBD Promotes Oral Ulcer Healing via Inhibiting CMPK2-Mediated Inflammasome. *Journal of Dental Research*, **2021**, 220345211024528	8.1	2
100	Management of systemic risk factors ahead of dental implant therapy: A beard well lathered is half shaved. *Journal of Leukocyte Biology*, **2021**, 110, 591-604	6.5	1
99	METTL3-Mediated m A mRNA Methylation Modulates Tooth Root Formation by Affecting NFIC Translation. *Journal of Bone and Mineral Research*, **2021**, 36, 412-423	6.3	13
98	CTGF facilitates cell-cell communication in chondrocytes via PI3K/Akt signalling pathway. *Cell Proliferation*, **2021**, 54, e13001	7.9	5

97	Challenges of Stem-cell-based Craniofacial Regeneration. *Current Stem Cell Research and Therapy*, **2021**, 16, 670-682	3.6	0
96	Alpha-ketoglutarate ameliorates age-related osteoporosis via regulating histone methylations. *Nature Communications*, **2020**, 11, 5596	17.4	33
95	The role of USP34 in the fixation of titanium implants in murine models. *European Journal of Oral Sciences*, **2020**, 128, 211-217	2.3	1
94	Ubiquitin-Specific Protease 34 Inhibits Osteoclast Differentiation by Regulating NF-B Signaling. *Journal of Bone and Mineral Research*, **2020**, 35, 1597-1608	6.3	17
93	LepR-Expressing Stem Cells Are Essential for Alveolar Bone Regeneration. *Journal of Dental Research*, **2020**, 99, 1279-1286	8.1	15
92	Role of PTH1R Signaling in Prx1 Mesenchymal Progenitors during Eruption. *Journal of Dental Research*, **2020**, 99, 1296-1305	8.1	8
91	AFF4 regulates osteogenic differentiation of human dental follicle cells. *International Journal of Oral Science*, **2020**, 12, 20	27.9	8
90	Growth differentiation factor 11 impairs titanium implant healing in the femur and leads to mandibular bone loss. *Journal of Periodontology*, **2020**, 91, 1203-1212	4.6	3
89	AFF1 inhibits adipogenic differentiation via targeting TGM2 transcription. *Cell Proliferation*, **2020**, 53, e12831	7.9	6
88	Ubiquitin-specific protease USP 34 controls osteogenic differentiation and bone formation by regulating BMP 2 signaling. *EMBO Journal*, **2020**, 39, e105578	13	0
87	Aminobutyric Acid Promotes Osteogenic Differentiation of Mesenchymal Stem Cells by Inducing TNFAIP3. *Current Gene Therapy*, **2020**, 20, 152-161	4.3	1
86	Metformin ameliorates the NLPP3 inflammasome mediated pyroptosis by inhibiting the expression of NEK7 in diabetic periodontitis. *Archives of Oral Biology*, **2020**, 116, 104763	2.8	16
85	Salivary microbiome in patients undergoing hemodialysis and its associations with the duration of the dialysis. *BMC Nephrology*, **2020**, 21, 414	2.7	2
84	Integrative Genomic Analysis Predicts Regulatory Role of -Methyladenosine-Associated SNPs for Adiposity. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 551	5.7	3
83	Endogenous GDF11 regulates odontogenic differentiation of dental pulp stem cells. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 11457-11464	5.6	3
82	Spatial Distributions, Characteristics, and Applications of Craniofacial Stem Cells. *Stem Cells International*, **2020**, 2020, 8868593	5	7
81	In silico genome-wide identification of m6A-associated SNPs as potential functional variants for periodontitis. *Journal of Cellular Physiology*, **2020**, 235, 900-908	7	12
80	Saliva: potential diagnostic value and transmission of 2019-nCoV. *International Journal of Oral Science*, **2020**, 12, 11	27.9	183

79	Three-dimensional intravital imaging in bone research. *Journal of Biophotonics*, **2019**, 12, e201960075	3.1	1
78	Epiregulin enhances odontoblastic differentiation of dental pulp stem cells via activating MAPK signalling pathway. *Cell Proliferation*, **2019**, 52, e12680	7.9	13
77	Autophagy in bone homeostasis and the onset of osteoporosis. *Bone Research*, **2019**, 7, 28	13.3	64
76	The mA methyltransferase METTL3 promotes bladder cancer progression via AFF4/NF-B/MYC signaling network. *Oncogene*, **2019**, 38, 3667-3680	9.2	188
75	Tissue Clearing and Its Application to Bone and Dental Tissues. *Journal of Dental Research*, **2019**, 98, 621-631	8.1	17
74	Growth differentiation factor 11 inhibits adipogenic differentiation by activating TGF-beta/Smad signalling pathway. *Cell Proliferation*, **2019**, 52, e12631	7.9	23
73	Hyperglycemia-induced inflamm-aging accelerates gingival senescence via NLRC4 phosphorylation. *Journal of Biological Chemistry*, **2019**, 294, 18807-18819	5.4	14
72	Substrate elasticity regulates vascular endothelial growth factor A (VEGFA) expression in adipose-derived stromal cells: Implications for potential angiogenesis. *Colloids and Surfaces B: Biointerfaces*, **2019**, 175, 576-585	6	8
71	Berberine Ameliorates Periodontal Bone Loss by Regulating Gut Microbiota. *Journal of Dental Research*, **2019**, 98, 107-116	8.1	36
70	Recombinant growth differentiation factor 11 impairs fracture healing through inhibiting chondrocyte differentiation. *Annals of the New York Academy of Sciences*, **2019**, 1440, 54-66	6.5	7
69	Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. *American Journal of Sports Medicine*, **2018**, 46, 1185-1198	6.8	33
68	Interrelated role of Klotho and calcium-sensing receptor in parathyroid hormone synthesis and parathyroid hyperplasia. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E3749-E3758	11.5	28
67	Multifunctional Biomaterial Coating Based on Bio-Inspired Polyphosphate and Lysozyme Supramolecular Nanofilm. *Biomacromolecules*, **2018**, 19, 1979-1989	6.9	16
66	Transforming growth factor- n stem cells and tissue homeostasis. *Bone Research*, **2018**, 6, 2	13.3	143
65	Expression of an active G mutant in skeletal stem cells is sufficient and necessary for fibrous dysplasia initiation and maintenance. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E428-E437	11.5	23
64	Substrate elasticity regulates adipose-derived stromal cell differentiation towards osteogenesis and adipogenesis through catenin transduction. *Acta Biomaterialia*, **2018**, 79, 83-95	10.8	47
63	Deubiquitinating Enzymes and Bone Remodeling. *Stem Cells International*, **2018**, 2018, 3712083	5	9
62	Role of DNA and RNA N6-Adenine Methylation in Regulating Stem Cell Fate. *Current Stem Cell Research and Therapy*, **2018**, 13, 31-38	3.6	27

61	The AlkB Family of Fe (II)/Alpha-Ketoglutarate-Dependent Dioxygenases Modulates Embryogenesis through Epigenetic Regulation. *Current Stem Cell Research and Therapy*, **2018**, 13, 136-143	3.6	10
60	Mettl3-mediated mA RNA methylation regulates the fate of bone marrow mesenchymal stem cells and osteoporosis. *Nature Communications*, **2018**, 9, 4772	17.4	153
59	Histone Modifications in Aging: The Underlying Mechanisms and Implications. *Current Stem Cell Research and Therapy*, **2018**, 13, 125-135	3.6	25
58	Aberrant activation of latent transforming growth factor-initiates the onset of temporomandibular joint osteoarthritis. *Bone Research*, **2018**, 6, 26	13.3	13
57	Ubiquitin-specific protease USP34 controls osteogenic differentiation and bone formation by regulating BMP2 signaling. *EMBO Journal*, **2018**, 37,	13	36
56	KDM4B protects against obesity and metabolic dysfunction. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E5566-E5575	11.5	26
55	Tissue clearing of both hard and soft tissue organs with the PEGASOS method. *Cell Research*, **2018**, 28, 803-818	24.7	153
54	Mesenchymal Stem Cell-Based Immunomodulation: Properties and Clinical Application. *Stem Cells International*, **2018**, 2018, 3057624	5	236
53	Targeting BMI1 Cancer Stem Cells Overcomes Chemoresistance and Inhibits Metastases in Squamous Cell Carcinoma. *Cell Stem Cell*, **2017**, 20, 621-634.e6	18	144
52	Marginal bone loss around non-submerged implants is associated with salivary microbiome during bone healing. *International Journal of Oral Science*, **2017**, 9, 95-103	27.9	14
51	Parathyroid hormone controls paracellular Ca transport in the thick ascending limb by regulating the tight-junction protein Claudin14. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E3344-E3353	11.5	34
50	Effect of FK-506 (tacrolimus) therapy on bone healing of titanium implants: a histometric and biomechanical study in mice. *European Journal of Oral Sciences*, **2017**, 125, 28-33	2.3	11
49	Two Techniques to Create Hypoparathyroid Mice: Parathyroidectomy Using GFP Glands and Diphtheria-Toxin-Mediated Parathyroid Ablation. *Journal of Visualized Experiments*, **2017**,	1.6	1
48	Intestinal microbiota: a potential target for the treatment of postmenopausal osteoporosis. *Bone Research*, **2017**, 5, 17046	13.3	76
47	AFF1 and AFF4 differentially regulate the osteogenic differentiation of human MSCs. *Bone Research*, **2017**, 5, 17044	13.3	19
46	Smoking May Lead to Marginal Bone Loss Around Non-Submerged Implants During Bone Healing by Altering Salivary Microbiome: A Prospective Study. *Journal of Periodontology*, **2017**, 88, 1297-1308	4.6	13
45	Immediate implant placement into posterior sockets with or without buccal bone dehiscence defects: A retrospective cohort study. *Journal of Dentistry*, **2017**, 65, 95-100	4.8	11
44	Dental implant treatment for renal failure patients on dialysis: a clinical guideline. *International Journal of Oral Science*, **2017**, 9, 125-132	27.9	15

43	Effect of gelatin sponge with colloid silver on bone healing in infected cranial defects. *Materials Science and Engineering C*, **2017**, 70, 371-377	8.3	22
42	Chronic Kidney Disease Impairs Bone Defect Healing in Rats. *Scientific Reports*, **2016**, 6, 23041	4.9	12
41	GDF11 decreases bone mass by stimulating osteoclastogenesis and inhibiting osteoblast differentiation. *Nature Communications*, **2016**, 7, 12794	17.4	97
40	Parathyroid hormone 1 receptor is essential to induce FGF23 production and maintain systemic mineral ion homeostasis. *FASEB Journal*, **2016**, 30, 428-40	0.9	51
39	Estrogen Deficiency Leads to Further Bone Loss in the Mandible of CKD Mice. *PLoS ONE*, **2016**, 11, e0148804	3.7	12
38	Effect of Resorbable Collagen Plug on Bone Regeneration in Rat Critical-Size Defect Model. *Implant Dentistry*, **2016**, 25, 163-70	2.4	6
37	Diphtheria Toxin- and GFP-Based Mouse Models of Acquired Hypoparathyroidism and Treatment With a Long-Acting Parathyroid Hormone Analog. *Journal of Bone and Mineral Research*, **2016**, 31, 975-84	6.3	16
36	N(6)-Methyladenosine Methyltransferases and Demethylases: New Regulators of Stem Cell Pluripotency and Differentiation. *Stem Cells and Development*, **2016**, 25, 1050-9	4.4	12
35	A Novel Nanosilver/Nanosilica Hydrogel for Bone Regeneration in Infected Bone Defects. *ACS Applied Materials & Interfaces*, **2016**, 8, 13242-50	9.5	46
34	Assessment of residual alveolar bone volume in hemodialysis patients using CBCT. *Clinical Oral Investigations*, **2015**, 19, 1619-24	4.2	8
33	FGF23 neutralization improves bone quality and osseointegration of titanium implants in chronic kidney disease mice. *Scientific Reports*, **2015**, 5, 8304	4.9	29
32	Layer-by-layer paper-stacking nanofibrous membranes to deliver adipose-derived stem cells for bone regeneration. *International Journal of Nanomedicine*, **2015**, 10, 1273-90	7.3	23
31	Fibroblast growth factor 23 and bone mineralisation. *International Journal of Oral Science*, **2015**, 7, 8-13	27.9	45
30	Effect of estrogen deficiency on the fixation of titanium implants in chronic kidney disease mice. *Osteoporosis International*, **2015**, 26, 1073-80	5.3	10
29	Cysteine dioxygenase type 1 promotes adipogenesis via interaction with peroxisome proliferator-activated receptor gamma. *Biochemical and Biophysical Research Communications*, **2015**, 458, 123-7	3.4	17
28	Increased osteopontin contributes to inhibition of bone mineralization in FGF23-deficient mice. *Journal of Bone and Mineral Research*, **2014**, 29, 693-704	6.3	67
27	Tumour-initiating capacity is independent of epithelial-mesenchymal transition status in breast cancer cell lines. *British Journal of Cancer*, **2014**, 110, 2514-23	8.7	28
26	Evaluation of periodontitis and bone loss in patients undergoing hemodialysis. *Journal of Periodontology*, **2014**, 85, 1515-20	4.6	21

25	Vitamin D supplementation enhances the fixation of titanium implants in chronic kidney disease mice. *PLoS ONE*, **2014**, 9, e95689	3.7	34
24	FGF23 deficiency leads to mixed hearing loss and middle ear malformation in mice. *PLoS ONE*, **2014**, 9, e107681	3.7	20
23	Evaluation of the oral health status in Chinese hemodialysis patients. *Hemodialysis International*, **2014**, 18, 668-73	1.7	13
22	Wnt5a promotes inflammatory responses via nuclear factor B (NF-B) and mitogen-activated protein kinase (MAPK) pathways in human dental pulp cells. *Journal of Biological Chemistry*, **2014**, 289, 21028-39	5.4	57
21	Dual-Functional Biomaterials for Bone Regeneration and Infection Control. *Journal of Biomaterials and Tissue Engineering*, **2014**, 4, 875-885	0.3	6
20	The inlay osteotome sinus augmentation technique for placing short implants simultaneously with reduced crestal bone height. A short-term follow-up. *Clinical Implant Dentistry and Related Research* , **2013**, 15, 918-26	3.9	13
19	CGRP-alpha application: a potential treatment to improve osseoperception of endosseous dental implants. *Medical Hypotheses*, **2013**, 81, 297-9	3.8	7
18	Effect of chronic kidney disease on the healing of titanium implants. *Bone*, **2013**, 56, 410-5	4.7	26
17	Mechanical stretch inhibits adipogenesis and stimulates osteogenesis of adipose stem cells. *Cell Proliferation*, **2012**, 45, 158-66	7.9	42
16	Inorganic polyphosphates stimulate FGF23 expression through the FGFR pathway. *Biochemical and Biophysical Research Communications*, **2012**, 428, 298-302	3.4	9
15	Deletion of PTH rescues skeletal abnormalities and high osteopontin levels in Klotho-/- mice. *PLoS Genetics*, **2012**, 8, e1002726	6	37
14	Effect of FDC-SP on the phenotype expression of cultured periodontal ligament cells. *Archives of Medical Science*, **2011**, 7, 235-41	2.9	9
13	FGF-23/Klotho signaling is not essential for the phosphaturic and anabolic functions of PTH. *Journal of Bone and Mineral Research*, **2011**, 26, 2026-35	6.3	44
12	PTH ablation ameliorates the anomalies of Fgf23-deficient mice by suppressing the elevated vitamin D and calcium levels. *Endocrinology*, **2011**, 152, 4053-61	4.8	22
11	Co-culture with Schwann cells is an effective way for adipose-derived stem cells neural transdifferentiation. *Archives of Medical Science*, **2010**, 6, 145-51	2.9	33
10	Interaction between Schwann cells and osteoblasts in vitro. *International Journal of Oral Science*, **2010**, 2, 74-81	27.9	18
9	Auto-transplanted mesenchymal stromal cell fate in periodontal tissue of beagle dogs. *Cytotherapy* , **2010**, 12, 514-21	4.8	27
8	PEGylated polyamidoamine dendrimers with bis-aryl hydrazone linkages for enhanced gene delivery. *Biomacromolecules*, **2010**, 11, 1940-7	6.9	75

7	Cyclic tensile stretch modulates osteogenic differentiation of adipose-derived stem cells via the BMP-2 pathway. *Archives of Medical Science*, **2010**, 6, 152-9	2.9	42
6	Effect of combined application of bFGF and inorganic polyphosphate on bioactivities of osteoblasts and initial bone regeneration. *Acta Biomaterialia*, **2009**, 5, 1716-24	10.8	39
5	Initial bone regeneration around fenestrated implants in Beagle dogs using basic fibroblast growth factor-gelatin hydrogel complex with varying biodegradation rates. *Journal of Prosthodontic Research*, **2009**, 53, 41-7	4.3	43
4	Research on promoting periodontal regeneration with human basic fibroblast growth factor-modified bone marrow mesenchymal stromal cell gene therapy. *Cytotherapy*, **2009**, 11, 317-25	4.8	30
3	Ectopic osteogenesis and chondrogenesis of bone marrow stromal stem cells in alginate system. *Cell Biology International*, **2007**, 31, 776-83	4.5	45
2	Schwann cell graft: a method to promote sensory responses of osseointegrated implants. *Medical Hypotheses*, **2007**, 69, 800-3	3.8	8
1	Single-Cell Transcriptomic Atlas of Gingival Mucosa in Type 2 Diabetes. *Journal of Dental Research*,00220345221092784		