

# Hong Zhou

## List of Publications by Year in descending order

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103  
papers

4,718  
citations

81900

39  
h-index

114465

63  
g-index

106  
all docs

106  
docs citations

106  
times ranked

6132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigenetically upregulated oncoprotein PLCE1 drives esophageal carcinoma angiogenesis and proliferation via activating the PI-PLC $\mu$ -NF- $\kappa$ B signaling pathway and VEGF-C/ Bcl-2 expression. <i>Molecular Cancer</i> , 2019, 18, 1.	19.2	408
2	Biological response of human bone cells to zinc-modified Ca $\text{--}$ Si-based ceramics. <i>Acta Biomaterialia</i> , 2008, 4, 1487-1497.	8.3	168
3	Glucocorticoid-induced osteoporosis: mechanisms, management, and future perspectives. <i>Lancet Diabetes and Endocrinology</i> , 2013, 1, 59-70.	11.4	168
4	Osteoblasts mediate the adverse effects of glucocorticoids on fuel metabolism. <i>Journal of Clinical Investigation</i> , 2012, 122, 4172-4189.	8.2	163
5	Glucocorticoids and Bone: Consequences of Endogenous and Exogenous Excess and Replacement Therapy. <i>Endocrine Reviews</i> , 2018, 39, 519-548.	20.1	162
6	Osteoblasts Directly Control Lineage Commitment of Mesenchymal Progenitor Cells through Wnt Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 1936-1945.	3.4	134
7	Vitamin D Deficiency Promotes Human Breast Cancer Growth in a Murine Model of Bone Metastasis. <i>Cancer Research</i> , 2010, 70, 1835-1844.	0.9	131
8	Glucocorticoids and bone: local effects and systemic implications. <i>Trends in Endocrinology and Metabolism</i> , 2014, 25, 197-211.	7.1	131
9	Mechanisms of Disease: roles of OPG, RANKL and RANK in the pathophysiology of skeletal metastasis. <i>Nature Clinical Practice Oncology</i> , 2006, 3, 41-49.	4.3	128
10	Expression of parathyroid hormone-related protein in cells of osteoblast lineage. , 1996, 166, 94-104.		100
11	Glucocorticoids Transcriptionally Regulate miR-27b Expression Promoting Body Fat Accumulation Via Suppressing the Browning of White Adipose Tissue. <i>Diabetes</i> , 2015, 64, 393-404.	0.6	100
12	Calcitonin receptors, bone sialoprotein and osteopontin are expressed in primary breast cancers. , 1997, 73, 812-815.		88
13	Exogenous and endogenous glucocorticoids in rheumatic diseases. <i>Arthritis and Rheumatism</i> , 2011, 63, 1-9.	6.7	87
14	Localization of Pigment Epithelium-Derived Factor in Growing Mouse Bone. <i>Calcified Tissue International</i> , 2005, 76, 146-153.	3.1	85
15	Follicle-stimulating hormone increases bone mass in female mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22629-22634.	7.1	83
16	Inhibition of bone resorption, rather than direct cytotoxicity, mediates the anti-tumour actions of ibandronate and osteoprotegerin in a murine model of breast cancer bone metastasis. <i>Bone</i> , 2007, 40, 471-478.	2.9	82
17	Glucocorticoid-dependent Wnt signaling by mature osteoblasts is a key regulator of cranial skeletal development in mice. <i>Development (Cambridge)</i> , 2009, 136, 427-436.	2.5	82
18	Biphasic Glucocorticoid-Dependent Regulation of Wnt Expression and Its Inhibitors in Mature Osteoblastic Cells. <i>Calcified Tissue International</i> , 2009, 85, 538-545.	3.1	78

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19	Retinoic acid modulation of mrna levels in malignant, nontransformed, and immortalized osteoblasts. Journal of Bone and Mineral Research, 1991, 6, 767-777.	2.8	73
20	Lamin A/C Acts as an Essential Factor in Mesenchymal Stem Cell Differentiation Through the Regulation of the Dynamics of the Wnt/ $\beta$ -Catenin Pathway. Journal of Cellular Biochemistry, 2015, 116, 2344-2353.	2.6	68
21	The role of the bone microenvironment in skeletal metastasis. Journal of Bone Oncology, 2013, 2, 47-57.	2.4	66
22	Vitamin D deficiency promotes growth of MCF-7 human breast cancer in a rodent model of osteosclerotic bone metastasis. Bone, 2010, 47, 795-803.	2.9	65
23	A Novel Osteoblast-derived C-type Lectin That Inhibits Osteoclast Formation. Journal of Biological Chemistry, 2001, 276, 14916-14923.	3.4	64
24	Endogenous glucocorticoid signalling in osteoblasts is necessary to maintain normal bone structure in mice. Bone, 2009, 45, 61-67.	2.9	64
25	Bone function, dysfunction and its role in diseases including critical illness. International Journal of Biological Sciences, 2019, 15, 776-787.	6.4	64
26	Calcitonin receptor isoforms in mouse and rat osteoclasts. Journal of Bone and Mineral Research, 1995, 10, 59-65.	2.8	59
27	Differential effects of transforming growth factor $\beta$ 1 and bone morphogenetic protein 4 on gene expression and differentiated function of preosteoblasts. Journal of Cellular Physiology, 1993, 155, 112-119.	4.1	57
28	Attenuated Wnt/ $\beta$ -catenin signalling mediates methotrexate chemotherapy-induced bone loss and marrow adiposity in rats. Bone, 2012, 50, 1223-1233.	2.9	57
29	Corticosterone selectively targets endo-cortical surfaces by an osteoblast-dependent mechanism. Bone, 2011, 49, 733-742.	2.9	56
30	Accelerated Bone Resorption, Due to Dietary Calcium Deficiency, Promotes Breast Cancer Tumor Growth in Bone. Cancer Research, 2007, 67, 9542-9548.	0.9	55
31	Downregulation of uPAR confirms link in growth and metastasis of osteosarcoma. Clinical and Experimental Metastasis, 2005, 22, 643-652.	3.3	54
32	Characterisation of fibroblast-like synoviocytes from a murine model of joint inflammation. Arthritis Research and Therapy, 2013, 15, R24.	3.5	52
33	Vitamin D deficiency promotes prostate cancer growth in bone. Prostate, 2011, 71, 1012-1021.	2.3	50
34	Transgenic disruption of glucocorticoid signaling in mature osteoblasts and osteocytes attenuates K/BxN mouse serum $\alpha$ -induced arthritis in vivo. Arthritis and Rheumatism, 2009, 60, 1998-2007.	6.7	49
35	Osteoclast Inhibitory Lectin, a Family of New Osteoclast Inhibitors. Journal of Biological Chemistry, 2002, 277, 48808-48815.	3.4	46
36	Targeting oncogenic PLCE1 by miR-145 impairs tumor proliferation and metastasis of esophageal squamous cell carcinoma. Oncotarget, 2016, 7, 1777-1795.	1.8	46

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37	Bone resorption increases tumour growth in a mouse model of osteosclerotic breast cancer metastasis. <i>Clinical and Experimental Metastasis</i> , 2008, 25, 559-567.	3.3	45
38	Resistance of Epiphyseal Cartilage to Invasion by Osteosarcoma Is Likely to Be Due to Expression of Antiangiogenic Factors. <i>Pathobiology</i> , 2002, 70, 361-367.	3.8	44
39	Loss of the vitamin D receptor in human breast and prostate cancers strongly induces cell apoptosis through downregulation of Wnt/ $\beta$ -catenin signaling. <i>Bone Research</i> , 2017, 5, 17023.	11.4	43
40	Sex Steroids, Not FSH, Influence Bone Mass. <i>Cell</i> , 2006, 127, 1079.	28.9	42
41	Isolation of a Human Homolog of Osteoclast Inhibitory Lectin That Inhibits the Formation and Function of Osteoclasts. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 89-99.	2.8	41
42	Endogenous Glucocorticoids and Bone. <i>Bone Research</i> , 2013, 1, 107-119.	11.4	37
43	The challenge of continuous exogenous glucocorticoid administration in mice. <i>Steroids</i> , 2009, 74, 245-249.	1.8	36
44	Targeting IL-6 and RANKL signaling inhibits prostate cancer growth in bone. <i>Clinical and Experimental Metastasis</i> , 2014, 31, 921-933.	3.3	36
45	Comparison of blood sampling methods for plasma corticosterone measurements in mice associated with minimal stress-related artefacts. <i>Steroids</i> , 2018, 135, 69-72.	1.8	35
46	Osteoclast inhibitory lectin (OCIL) inhibits osteoblast differentiation and function in vitro. <i>Bone</i> , 2007, 40, 305-315.	2.9	34
47	Direct Crosstalk Between Cancer and Osteoblast Lineage Cells Fuels Metastatic Growth in Bone via Auto-Amplification of IL-6 and RANKL Signaling Pathways. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1938-1949.	2.8	33
48	Androgens sensitise mice to glucocorticoid-induced insulin resistance and fat accumulation. <i>Diabetologia</i> , 2019, 62, 1463-1477.	6.3	32
49	Arthritis and the role of endogenous glucocorticoids. <i>Bone Research</i> , 2020, 8, 33.	11.4	32
50	Continuous corticosterone delivery via the drinking water or pellet implantation: A comparative study in mice. <i>Steroids</i> , 2016, 116, 76-82.	1.8	31
51	Glucocorticoids, bone and energy metabolism. <i>Bone</i> , 2016, 82, 64-68.	2.9	31
52	Deletion of Mesenchymal Glucocorticoid Receptor Attenuates Embryonic Lung Development and Abdominal Wall Closure. <i>PLoS ONE</i> , 2013, 8, e63578.	2.5	30
53	Osteoclast Inhibitory Lectin, an Immune Cell Product That Is Required for Normal Bone Physiology in Vivo. <i>Journal of Biological Chemistry</i> , 2008, 283, 30850-30860.	3.4	28
54	Characterization of Sugar Binding by Osteoclast Inhibitory Lectin. <i>Journal of Biological Chemistry</i> , 2004, 279, 29043-29049.	3.4	27

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55	Disruption of glucocorticoid signaling in chondrocytes delays metaphyseal fracture healing but does not affect normal cartilage and bone development. <i>Bone</i> , 2014, 69, 12-22.	2.9	27
56	Blockage of Src by Specific siRNA as a Novel Therapeutic Strategy to Prevent Destructive Repair in Steroid-Associated Osteonecrosis in Rabbits. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2044-2057.	2.8	26
57	Loss of the Vitamin D Receptor in Human Breast Cancer Cells Promotes Epithelial to Mesenchymal Cell Transition and Skeletal Colonization. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1721-1732.	2.8	26
58	Spatial and Temporal Expression of Parathyroid Hormone-Related Protein during Wound Healing. <i>Journal of Investigative Dermatology</i> , 1999, 112, 788-795.	0.7	25
59	Glucocorticoids Suppress the Browning of Adipose Tissue via miR-19b in Male Mice. <i>Endocrinology</i> , 2018, 159, 310-322.	2.8	25
60	MicroRNA-34a functions as a tumor suppressor by directly targeting oncogenic PLCE1 in Kazakh esophageal squamous cell carcinoma. <i>Oncotarget</i> , 2017, 8, 92454-92469.	1.8	24
61	Genetic and hormonal control of bone volume, architecture, and remodeling in XXY mice. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2148-2154.	2.8	23
62	Retinoic acid stimulates glucose transporter expression in L6 muscle cells. <i>Molecular and Cellular Endocrinology</i> , 1995, 108, 161-167.	3.2	22
63	Androgen Receptor Inactivation Resulted in Acceleration in Pubertal Mammary Gland Growth, Upregulation of ER $\alpha$ Expression, and Wnt/ $\beta$ -Catenin Signaling in Female Mice. <i>Endocrinology</i> , 2014, 155, 4951-4963.	2.8	22
64	The vitamin D receptor is involved in the regulation of human breast cancer cell growth via a ligand-independent function in cytoplasm. <i>Oncotarget</i> , 2017, 8, 26687-26701.	1.8	22
65	Hypomethylation-Linked Activation of PLCE1 Impedes Autophagy and Promotes Tumorigenesis through MDM2-Mediated Ubiquitination and Destabilization of p53. <i>Cancer Research</i> , 2020, 80, 2175-2189.	0.9	21
66	Fibroblast Growth Factor 23: A Phosphatonin Regulating Phosphate Homeostasis?. <i>Endocrinology</i> , 2004, 145, 3084-3086.	2.8	20
67	MiR-27b Regulation in Browning of Human Visceral Adipose Related to Central Obesity. <i>Obesity</i> , 2018, 26, 387-396.	3.0	20
68	Assessment of cellular expression of parathyroid hormone-related protein mRNA and protein in multiple myeloma. <i>Journal of Pathology</i> , 2000, 192, 336-341.	4.5	19
69	Selective glucocorticoid receptor agonists: Glucocorticoid therapy with no regrets?. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2238-2241.	2.8	18
70	Endogenous glucocorticoid signaling in chondrocytes attenuates joint inflammation and damage. <i>FASEB Journal</i> , 2018, 32, 478-487.	0.5	18
71	Parathyroid Hormone-Related Protein mRNA and Protein Expression in Multiple Myeloma: A Case Report. <i>Journal of Bone and Mineral Research</i> , 2009, 13, 1640-1643.	2.8	17
72	Metabolic and skeletal homeostasis are maintained in full locus GPRC6A knockout mice. <i>Scientific Reports</i> , 2019, 9, 5995.	3.3	17

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73	rHox: A homeobox gene expressed in osteoblastic cells. <i>Journal of Cellular Biochemistry</i> , 1995, 59, 486-497.	2.6	16
74	Tumor Necrosis Factor $\alpha$ Facilitates Nuclear Actions of Retinoic Acid to Regulate Expression of the Alkaline Phosphatase Gene in Preosteoblasts. <i>Journal of Biological Chemistry</i> , 1995, 270, 8958-8962.	3.4	16
75	Chronic Mild Stress Causes Bone Loss via an Osteoblast-Specific Glucocorticoid-Dependent Mechanism. <i>Endocrinology</i> , 2017, 158, 1939-1950.	2.8	16
76	Osteoblastic glucocorticoid signaling exacerbates high-fat-diet- induced bone loss and obesity. <i>Bone Research</i> , 2021, 9, 40.	11.4	16
77	Expression of Rat Homeobox Gene, rHOX, in Developing and Adult Tissues in Mice and Regulation of Its mRNA Expression in Osteoblasts by Bone Morphogenetic Protein 2 and Parathyroid Hormone-Related Protein. <i>Molecular Endocrinology</i> , 1998, 12, 1721-1732.	3.7	14
78	Parathyroid hormone-related protein production in the lamprey <i>Geotria australis</i> : developmental and evolutionary perspectives. <i>Development Genes and Evolution</i> , 2005, 215, 553-563.	0.9	14
79	Transgenic Disruption of Glucocorticoid Signaling in Osteoblasts Attenuates Joint Inflammation in Collagen Antibody-Induced Arthritis. <i>American Journal of Pathology</i> , 2016, 186, 1293-1301.	3.8	14
80	Arthritis and endogenous glucocorticoids: the emerging role of the 11 $\beta$ -HSD enzymes. <i>Annals of the Rheumatic Diseases</i> , 2007, 67, 1201-1203.	0.9	13
81	Osteoblast-targeted disruption of glucocorticoid signalling does not delay intramembranous bone healing. <i>Steroids</i> , 2010, 75, 282-286.	1.8	13
82	Both ligand and VDR expression levels critically determine the effect of 1 $\alpha$ ,25-dihydroxyvitamin-D3 on osteoblast differentiation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 83-90.	2.5	13
83	Plumbagin Ameliorates Collagen-Induced Arthritis by Regulating Treg/Th17 Cell Imbalances and Suppressing Osteoclastogenesis. <i>Frontiers in Immunology</i> , 2018, 9, 3102.	4.8	13
84	Long-term corticosterone treatment induced lobe-specific pathology in mouse prostate. <i>Prostate</i> , 2011, 71, 289-297.	2.3	12
85	Animal Models for Breast Cancer Metastasis to Bone: Opportunities and Limitations. <i>Cancer Investigation</i> , 2015, 33, 459-468.	1.3	12
86	The 18 kDa Translocator Protein (Peripheral Benzodiazepine Receptor) Expression in the Bone of Normal, Osteoprotegerin or Low Calcium Diet Treated Mice. <i>PLoS ONE</i> , 2012, 7, e30623.	2.5	11
87	The $P < 50$ value detected by the oxygenation-dissociation analyser and blood gas analyser. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 867-874.	2.8	10
88	Acute murine antigen-induced arthritis is not affected by disruption of osteoblastic glucocorticoid signalling. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 31.	1.9	9
89	Osteoblasts and global energy metabolism – beyond osteocalcin. <i>Nature Reviews Rheumatology</i> , 2017, 13, 261-262.	8.0	8
90	Skeletal glucocorticoid signalling determines leptin resistance and obesity in aging mice. <i>Molecular Metabolism</i> , 2020, 42, 101098.	6.5	8

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91	Parathyroid Hormone-Related Protein Expression and Secretion in a Skin Organotypic Culture System. <i>Endocrine</i> , 1998, 8, 143-152.	2.2	7
92	Glucocorticoid receptor in prostate epithelia is not required for corticosteroid-induced epithelial hyperproliferation in the mouse prostate. <i>Prostate</i> , 2014, 74, 1068-1078.	2.3	7
93	Expression of Rat Homeobox Gene, rHOX, in Developing and Adult Tissues in Mice and Regulation of Its mRNA Expression in Osteoblasts by Bone Morphogenetic Protein 2 and Parathyroid Hormone-Related Protein. <i>Molecular Endocrinology</i> , 1998, 12, 1721-1732.	3.7	7
94	Role of 11 $\beta$ -HSD type 1 in abnormal HPA axis activity during immune-mediated arthritis. <i>Endocrine Connections</i> , 2018, 7, 385-394.	1.9	5
95	Methods in Bone Biology: Cancer and Bone. , 2011, , 83-91.		3
96	Dynamic Frequency of Blood CD4+CD25+ Regulatory T Cells in Rats with Collagen-induced Arthritis. <i>Korean Journal of Physiology and Pharmacology</i> , 2015, 19, 83.	1.2	2
97	Label-free dynamic mass redistribution analysis of endogenous adrenergic receptor signaling in primary preadipocytes and differentiated adipocytes. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 97, 59-66.	0.7	2
98	Mechanisms of Disease: roles of OPG, RANKL and RANK in the pathophysiology of skeletal metastasis. <i>Nature Clinical Practice Oncology</i> , 2006, 3, E1-E1.	4.3	2
99	OSTEOCLAST BIOLOGY. , 2005, , 71-93.		1
100	Bone Metabolism. , 2021, , 336-345.		1
101	The osteoblast: An important player in glucocorticoid-induced brown fat lipid accumulation. <i>Obesity Research and Clinical Practice</i> , 2014, 8, 35.	1.8	0
102	Basic and clinical aspects of glucocorticoid action in bone. , 2020, , 915-940.		0
103	Bone Metabolism. , 2020, , 1-11.		0