Bai-Cheng He

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1610863/publications.pdf

Version: 2024-02-01

45	2,910	279487 23	233125 45
papers	citations	h-index	g-index

46	46	46	3257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comprehensive Analysis of the Dual Roles of BMPs in Regulating Adipogenic and Osteogenic Differentiation of Mesenchymal Progenitor Cells. Stem Cells and Development, 2009, 18, 545-558.	1.1	341
2	BMPâ€9â€induced osteogenic differentiation of mesenchymal progenitors requires functional canonical Wnt/Î²â€catenin signalling. Journal of Cellular and Molecular Medicine, 2009, 13, 2448-2464.	1.6	225
3	Insulin-like growth factor 2 (IGF-2) potentiates BMP-9-induced osteogenic differentiation and bone formation. Journal of Bone and Mineral Research, 2010, 25, 2447-2459.	3.1	224
4	Osteogenic BMPs promote tumor growth of human osteosarcomas that harbor differentiation defects. Laboratory Investigation, 2008, 88, 1264-1277.	1.7	196
5	Mesenchymal stem cells: Molecular characteristics and clinical applications. World Journal of Stem Cells, 2010, 2, 67.	1.3	176
6	Hey1 Basic Helix-Loop-Helix Protein Plays an Important Role in Mediating BMP9-induced Osteogenic Differentiation of Mesenchymal Progenitor Cells. Journal of Biological Chemistry, 2009, 284, 649-659.	1.6	167
7	TGFÎ²/BMP Type I Receptors ALK1 and ALK2 Are Essential for BMP9-induced Osteogenic Signaling in Mesenchymal Stem Cells. Journal of Biological Chemistry, 2010, 285, 29588-29598.	1.6	163
8	BMP-9 Induced Osteogenic Differentiation of Mesenchymal Stem Cells: Molecular Mechanism and Therapeutic Potential. Current Gene Therapy, 2011, 11, 229-240.	0.9	150
9	Tetrandrine Inhibits Wnt/Î²-Catenin Signaling and Suppresses Tumor Growth of Human Colorectal Cancer. Molecular Pharmacology, 2011, 79, 211-219.	1.0	138
10	Retinoic Acids Potentiate BMP9-Induced Osteogenic Differentiation of Mesenchymal Progenitor Cells. PLoS ONE, 2010, 5, e11917.	1.1	119
11	Ginsenoside Rg3 inhibits colorectal tumor growth through the down-regulation of Wnt/ÃƒÂŸ-catenin signaling. International Journal of Oncology, 2011, 38, 437-45.	1.4	117
12	Growth hormone synergizes with BMP9 in osteogenic differentiation by activating the JAK/STAT/IGF1 pathway in murine multilineage cells. Journal of Bone and Mineral Research, 2012, 27, 1566-1575.	3.1	108
13	The PTEN/PI3K/Akt and Wnt/Î²-catenin signaling pathways are involved in the inhibitory effect of resveratrol on human colon cancer cell proliferation. International Journal of Oncology, 2014, 45, 104-112.	1.4	90
14	BMP9 and COX-2 form an important regulatory loop in BMP9-induced osteogenic differentiation of mesenchymal stem cells. Bone, 2013, 57, 311-321.	1.4	56
15	Mesenchymal Progenitor Cells and Their Orthopedic Applications: Forging a Path towards Clinical Trials. Stem Cells International, 2010, 2010, 1-14.	1.2	51
16	Resveratrol inactivates PI3K/Akt signaling through upregulating BMP7 in human colon cancer cells. Oncology Reports, 2017, 38, 456-464.	1.2	47
17	The role of COX-2 in mediating the effect of PTEN on BMP9 induced osteogenic differentiation in mouse embryonic fibroblasts. Biomaterials, 2014, 35, 9649-9659.	5.7	38
18	BMP9/p38 MAPK is essential for the antiproliferative effect of resveratrol on human colon cancer. Oncology Reports, 2016, 35, 939-947.	1.2	38

#	Article	IF	Citations
19	The role of IGFBP-5 in mediating the anti-proliferation effect of tetrandrine in human colon cancer cells. International Journal of Oncology, 2015, 46, 1205-1213.	1.4	34
20	Oridonin inhibits the proliferation of human osteosarcoma cells by suppressing Wnt/Î²-catenin signaling. International Journal of Oncology, 2014, 45, 795-803.	1.4	31
21	Ursolic acid inhibits proliferation and induces apoptosis by inactivating Wnt/Î²-catenin signaling in human osteosarcoma cells. International Journal of Oncology, 2016, 49, 1973-1982.	1.4	31
22	Oridonin upregulates PTEN through activating p38 MAPK and inhibits proliferation in human colon cancer cells. Oncology Reports, 2016, 35, 3341-3348.	1.2	28
23	IGF-1 reverses the osteogenic inhibitory effect of dexamethasone on BMP9-induced osteogenic differentiation in mouse embryonic ï¬broblasts via PI3K/AKT/COX-2 pathway. Journal of Steroid Biochemistry and Molecular Biology, 2019, 191, 105363.	1.2	28
24	Wnt11 promotes BMP9â€induced osteogenic differentiation through BMPs/Smads and p38 MAPK in mesenchymal stem cells. Journal of Cellular Biochemistry, 2018, 119, 9462-9473.	1.2	26
25	Oridonin inhibits the proliferation of human colon cancer cells by upregulating BMP7 to activate p38 MAPK. Oncology Reports, 2016, 35, 2691-2698.	1.2	24
26	BMP9/COXâ€2 axial mediates high phosphateâ€induced calcification in vascular smooth muscle cells via Wnt/Î²â€catenin pathway. Journal of Cellular Biochemistry, 2018, 119, 2851-2863.	1.2	22
27	TGF-Î²1/PTEN/PI3K signaling plays a critical role in the anti-proliferation effect of tetrandrine in human colon cancer cells. International Journal of Oncology, 2017, 50, 1011-1021.	1.4	20
28	BMP7 mediates the anticancer effect of honokiol by upregulating p53 in HCT116 cells. International Journal of Oncology, 2017, 51, 907-917.	1.4	20
29	Anticancer effects of oridonin on colon cancer are mediated via BMP7/p38 MAPK/p53 signaling. International Journal of Oncology, 2018, 53, 2091-2101.	1.4	18
30	Tetrandrine inhibits the proliferation of human osteosarcoma cells by upregulating the PTEN pathway. Oncology Reports, 2017, 37, 2795-2802.	1.2	17
31	All-trans retinoic acid and COX-2 cross-talk to regulate BMP9-induced osteogenic differentiation via Wnt/Î²-catenin in mesenchymal stem cells. Biomedicine and Pharmacotherapy, 2019, 118, 109279.	2.5	16
32	Hypoxia pathway and hypoxia-mediated extensive extramedullary hematopoiesis are involved in ursolic acid's anti-metastatic effect in 4T1 tumor bearing mice. Oncotarget, 2016, 7, 71802-71816.	0.8	15
33	CREB/Wnt10b mediates the effect of COXâ€2 on promoting BMP9â€induced osteogenic differentiation via reducing adipogenic differentiation in mesenchymal stem cells. Journal of Cellular Biochemistry, 2019, 120, 9572-9587.	1.2	15
34	Analysis and Validation of Hub Genes in Blood Monocytes of Postmenopausal Osteoporosis Patients. Frontiers in Endocrinology, 2021, 12, 815245.	1.5	15
35	Bone morphogenetic protein 9 stimulates callus formation in osteoporotic rats during fracture healing. Molecular Medicine Reports, 2017, 15, 2537-2545.	1.1	14
36	Tetrandrine inhibits proliferation of colon cancer cells by BMP9/ PTEN/ PI3K/AKT signaling. Genes and Diseases, 2021, 8, 373-383.	1.5	14

#	Article	IF	Citations
37	Follicleâ€Stimulating Hormone Î²â€Subunit Potentiates Bone Morphogenetic Protein 9â€Induced Osteogenic Differentiation in Mouse Embryonic Fibroblasts. Journal of Cellular Biochemistry, 2017, 118, 1792-1802.	1.2	13
38	PTEN Reduces BMP9-Induced Osteogenic Differentiation Through Inhibiting Wnt10b in Mesenchymal Stem Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 608544.	1.8	13
39	BMP9 mediates the anticancer activity of evodiamine through HIFâ€1Î±/p53 in human colon cancer cells. Oncology Reports, 2020, 43, 415-426.	1.2	13
40	All-trans retinoic acid shifts rosiglitazone-induced adipogenic differentiation to osteogenic differentiation in mouse embryonic fibroblasts. International Journal of Molecular Medicine, 2016, 38, 1693-1702.	1.8	12
41	Cyclooxygenase-2/sclerostin mediates TGF-Î²1-induced calcification in vascular smooth muscle cells and rats undergoing renal failure. Aging, 2020, 12, 21220-21235.	1.4	11
42	Antiâ€proliferative effect of honokiol on SW620ï¿½cells through upregulating BMP7 expression via the TGFâ€Î²1/p53 signaling pathway. Oncology Reports, 2020, 44, 2093-2107.	1.2	6
43	COX-2 promotes the osteogenic potential of BMP9 through TGF-Î²1/p38 signaling in mesenchymal stem cells. Aging, 2021, 13, 11336-11351.	1.4	5
44	Pioglitazone/metformin adduct regulates insulin secretion and inhibits high glucoseâ€induced apoptosis via p21â€p53â€MDM2 signaling in INSâ€1 cells. Journal of Cellular Biochemistry, 2018, 119, 5449-5459.	1.2	4
45	PTEN inhibition leads to the development of resistance to novel isoquinoline derivative TNBG-5602 in human liver cancer cells. American Journal of Cancer Research, 2021, 11, 4515-4527.	1.4	1