Bai-Cheng He

List of Publications by Year
in descending order

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	Tetrandrine inhibits proliferation of colon cancer cells by BMP9/ PTEN/ PI3K/AKT signaling. Genes and Diseases, 2021, 8, 373-383.	1.5	14
2	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
3	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
4	Analysis and Validation of Hub Genes in Blood Monocytes of Postmenopausal Osteoporosis Patients. Frontiers in Endocrinology, 2021, 12, 815245.	1.5	15
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Bone morphogenetic protein 9 stimulates callus formation in osteoporotic rats during fracture healing. Molecular Medicine Reports, 2017, 15, 2537-2545.	1.1	14
18	Resveratrol inactivates PI3K/Akt signaling through upregulating BMP7 in human colon cancer cells. Oncology Reports, 2017, 38, 456-464.	1.2	47

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19	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
20	BMP7 mediates the anticancer effect of honokiol by upregulating p53 in HCT116 cells. International Journal of Oncology, 2017, 51, 907-917.	1.4	20
21	Tetrandrine inhibits the proliferation of human osteosarcoma cells by upregulating the PTEN pathway. Oncology Reports, 2017, 37, 2795-2802.	1.2	17
22	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
23	BMP9/p38 MAPK is essential for the antiproliferative effect of resveratrol on human colon cancer. Oncology Reports, 2016, 35, 939-947.	1.2	38
24	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
25	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
26	Oridonin upregulates PTEN through activating p38 MAPK and inhibits proliferation in human colon cancer cells. Oncology Reports, 2016, 35, 3341-3348.	1.2	28
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	BMP-9 Induced Osteogenic Differentiation of Mesenchymal Stem Cells: Molecular Mechanism and Therapeutic Potential. Current Gene Therapy, 2011, 11, 229-240.	0.9	150
35	Tetrandrine Inhibits Wnt/Î²-Catenin Signaling and Suppresses Tumor Growth of Human Colorectal Cancer. Molecular Pharmacology, 2011, 79, 211-219.	1.0	138
36	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

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37	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
38	Retinoic Acids Potentiate BMP9-Induced Osteogenic Differentiation of Mesenchymal Progenitor Cells. PLoS ONE, 2010, 5, e11917.	1.1	119
39	Mesenchymal stem cells: Molecular characteristics and clinical applications. World Journal of Stem Cells, 2010, 2, 67.	1.3	176
40	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
41	Mesenchymal Progenitor Cells and Their Orthopedic Applications: Forging a Path towards Clinical Trials. Stem Cells International, 2010, 2010, 1-14.	1.2	51
42	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
43	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
44	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
45	Osteogenic BMPs promote tumor growth of human osteosarcomas that harbor differentiation defects. Laboratory Investigation, 2008, 88, 1264-1277.	1.7	196