

附件 1

2025年度浙江省中医药科学技术奖公示信息表

推荐奖项：（填基础研究、应用研究、学术著作、科学普及）

成果名称	基于“骨-齿同源”理论的中药活性成分调控骨代谢稳态的关键机制及推广应用
推荐等级	基础研究三等奖
推荐书相关内容	[1] Sun X, Ping Y, Li X, Mao Y, Chen Y, Shi L, Hong X, Chen L, Chen S, Cao Z, Chen P, Song Z, Wismeijer D, Wu G, Ji Y, Huang S. Activation of PGC-1α-dependent mitochondrial biogenesis supports therapeutic effects of silibinin against type I diabetic periodontitis. J Clin Periodontol. 2023 Jul;50(7):964-979. [2] Zhang X, Jiang Y, Mao J, Ren X, Ji Y, Mao Y, Chen Y, Sun X, Pan Y, Ma J, Huang S. Hydroxytyrosol prevents periodontitis-induced bone loss by regulating mitochondrial function and mitogen-activated protein kinase signaling of bone cells. Free Radic Biol Med. 2021 Nov 20;176:298-311. [3] Li X, Zhou R, Han Y, Zeng J, Shi L, Mao Y, Sun X, Ji Y, Zhang X, Chen Y, Jaspers RT, Wu G, Huang S, Forouzanfar T. Silibinin Attenuates Experimental Periodontitis by Downregulation of Inflammation and Oxidative Stress. Oxid Med Cell Longev. 2023 Feb 15;2023:5617800. [4] Dai P, Mao Y, Sun X, Li X, Muhammad I, Gu W, Zhang D, Zhou Y, Ni Z, Ma J, Huang S. Attenuation of Oxidative Stress-Induced Osteoblast Apoptosis by Curcumin is Associated with Preservation of Mitochondrial Functions and Increased Akt-GSK3β Signaling. Cell Physiol Biochem. 2017;41(2):661-677. [5] Li X, Chen Y, Mao Y, Dai P, Sun X, Zhang X, Cheng H, Wang Y, Banda I, Wu G, Ma J, Huang S, Forouzanfar T. Curcumin Protects Osteoblasts From Oxidative Stress-Induced Dysfunction via GSK3β-Nrf2 Signaling Pathway. Front Bioeng Biotechnol. 2020 Jun 16;8:625. [6] Mao YX, Cai WJ, Sun XY, Dai PP, Li XM, Wang Q, Huang XL, He B, Wang PP, Wu G, Ma JF, Huang SB. RAGE-dependent mitochondria pathway: a novel target of silibinin against apoptosis of osteoblastic cells induced by advanced glycation end products. Cell Death Dis. 2018 Jun 4;9(6):674. [7] Cai WJ, Chen Y, Shi LX, Cheng HR, Banda I, Ji YH, Wang YT, Li XM, Mao YX, Zhang DF, Dai PP, Sun XY, Ning XH, Huang SB, Ma JF, Zhao SF. AKT-GSK3β Signaling Pathway Regulates

	Mitochondrial Dysfunction-Associated OPA1 Cleavage Contributing to Osteoblast Apoptosis: Preventative Effects of Hydroxytyrosol. <i>Oxid Med Cell Longev</i>. 2019 Jun 2;2019:4101738. [8] Li X, Lin H, Zhang X, Jaspers RT, Yu Q, Ji Y, Forouzanfar T, Wang D, Huang S, Wu G. Notoginsenoside R1 attenuates oxidative stress-induced osteoblast dysfunction through JNK signalling pathway. <i>J Cell Mol Med</i>. 2021 Dec;25(24):11278-11289.
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