

Bao-Ting Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

3,698
citations

196777

29
h-index

252626

46
g-index

49
all docs

49
docs citations

49
times ranked

5613
citing authors

#	ARTICLE	IF	CITATIONS
1	A Rapid Protocol for Direct Isolation of Osteoclast Lineage Cells from Mouse Bone Marrow. <i>Bio-protocol</i> , 2022, 12, e4338.	0.2	0
2	Drug Discovery of DKK1 Inhibitors. <i>Frontiers in Pharmacology</i> , 2022, 13, 847387.	1.6	16
3	Photodynamic treatment with purpurin 18 effectively inhibits triple negative breast cancer by inducing cell apoptosis. <i>Lasers in Medical Science</i> , 2021, 36, 339-347.	1.0	11
4	Recent Progress in Aptamer Discoveries and Modifications for Therapeutic Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9500-9519.	4.0	287
5	Artificial Intelligence in Aptamer Target Binding Prediction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3605.	1.8	49
6	Structural Biology for the Molecular Insight between Aptamers and Target Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4093.	1.8	29
7	Exosomal transfer of osteoclast-derived miRNAs to chondrocytes contributes to osteoarthritis progression. <i>Nature Aging</i> , 2021, 1, 368-384.	5.3	28
8	Current Pharmacological Strategies for Duchenne Muscular Dystrophy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 689533.	1.8	27
9	Connective Tissue Growth Factor: From Molecular Understandings to Drug Discovery. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 593269.	1.8	75
10	A Loop-Based and AGO-Incorporated Virtual Screening Model Targeting AGO-Mediated miRNA-mRNA Interactions for Drug Discovery to Rescue Bone Phenotype in Genetically Modified Mice. <i>Advanced Science</i> , 2020, 7, 1903451.	5.6	111
11	Pros and Cons of Denosumab Treatment for Osteoporosis and Implication for RANKL Aptamer Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 325.	1.8	40
12	A PD-L1 Aptamer Selected by Loss-Gain Cell-SELEX Conjugated with Paclitaxel for Treating Triple-Negative Breast Cancer. <i>Medical Science Monitor</i> , 2020, 26, e925583.	0.5	14
13	HIF1 α inhibition facilitates Leflunomide-AHR-CRP signaling to attenuate bone erosion in CRP-aberrant rheumatoid arthritis. <i>Nature Communications</i> , 2019, 10, 4579.	5.8	30
14	<sc>YY</sc> 1 regulates skeletal muscle regeneration through controlling metabolic reprogramming of satellite cells. <i>EMBO Journal</i> , 2019, 38, .	3.5	69
15	Osteoblastic PLEKHO1 contributes to joint inflammation in rheumatoid arthritis. <i>EBioMedicine</i> , 2019, 41, 538-555.	2.7	15
16	Bushen Yijing Fang Reduces Fall Risk in Late Postmenopausal Women with Osteopenia: A Randomized Double-blind and Placebo-controlled Trial. <i>Scientific Reports</i> , 2019, 9, 2089.	1.6	9
17	A newly identified lncRNA MAR1 acts as a miR-487b sponge to promote skeletal muscle differentiation and regeneration. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 613-626.	2.9	154
18	Long Noncoding RNA lncMUMA Reverses Established Skeletal Muscle Atrophy following Mechanical Unloading. <i>Molecular Therapy</i> , 2018, 26, 2669-2680.	3.7	43

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19	Inhibition of osteoblastic Smurf1 promotes bone formation in mouse models of distinctive age-related osteoporosis. <i>Nature Communications</i> , 2018, 9, 3428.	5.8	47
20	Increased PLEKHO1 within osteoblasts suppresses Smad-dependent BMP signaling to inhibit bone formation during aging. <i>Aging Cell</i> , 2017, 16, 360-376.	3.0	28
21	Osteoclastic miR-214 targets TRAF3 to contribute to osteolytic bone metastasis of breast cancer. <i>Scientific Reports</i> , 2017, 7, 40487.	1.6	61
22	Targeting osteoblastic casein kinase-2 interacting protein-1 to enhance Smad-dependent BMP signaling and reverse bone formation reduction in glucocorticoid-induced osteoporosis. <i>Scientific Reports</i> , 2017, 7, 41295.	1.6	18
23	Tumor cell-targeted delivery of CRISPR/Cas9 by aptamer-functionalized lipopolymer for therapeutic genome editing of VEGFA in osteosarcoma. <i>Biomaterials</i> , 2017, 147, 68-85.	5.7	150
24	A water-soluble nucleolin aptamer-paclitaxel conjugate for tumor-specific targeting in ovarian cancer. <i>Nature Communications</i> , 2017, 8, 1390.	5.8	192
25	TAK1 inhibition attenuates both inflammation and fibrosis in experimental pneumoconiosis. <i>Cell Discovery</i> , 2017, 3, 17023.	3.1	34
26	Molecular Communication from Skeletal Muscle to Bone: A Review for Muscle-Derived Myokines Regulating Bone Metabolism. <i>Calcified Tissue International</i> , 2017, 100, 184-192.	1.5	70
27	Recent Advances in SELEX Technology and Aptamer Applications in Biomedicine. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2142.	1.8	299
28	Icaritin Inhibits Collagen Degradation-Related Factors and Facilitates Collagen Accumulation in Atherosclerotic Lesions: A Potential Action for Plaque Stabilization. <i>International Journal of Molecular Sciences</i> , 2016, 17, 169.	1.8	11
29	Bioinformatics and Microarray Analysis of miRNAs in Aged Female Mice Model Implied New Molecular Mechanisms for Impaired Fracture Healing. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1260.	1.8	30
30	Icaritin requires Phosphatidylinositol 3 kinase (PI3K)/Akt signaling to counteract skeletal muscle atrophy following mechanical unloading. <i>Scientific Reports</i> , 2016, 6, 20300.	1.6	41
31	Osteoclast-derived exosomal miR-214-3p inhibits osteoblastic bone formation. <i>Nature Communications</i> , 2016, 7, 10872.	5.8	424
32	A delivery system specifically approaching bone resorption surfaces to facilitate therapeutic modulation of microRNAs in osteoclasts. <i>Biomaterials</i> , 2015, 52, 148-160.	5.7	84
33	Sonodynamic action of curcumin on foodborne bacteria <i>Bacillus cereus</i> and <i>Escherichia coli</i> . <i>Ultrasonics</i> , 2015, 62, 75-79.	2.1	44
34	Aptamer-functionalized lipid nanoparticles targeting osteoblasts as a novel RNA interference-based bone anabolic strategy. <i>Nature Medicine</i> , 2015, 21, 288-294.	15.2	253
35	Src inhibitor reduces permeability without disturbing vascularization and prevents bone destruction in steroid-associated osteonecrotic lesions in rabbits. <i>Scientific Reports</i> , 2015, 5, 8856.	1.6	6
36	Combination of inflammation-related cytokines promotes long-term muscle stem cell expansion. <i>Cell Research</i> , 2015, 25, 655-673.	5.7	123

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37	Adaptive responses of TRPC1 and TRPC3 during skeletal muscle atrophy and regrowth. <i>Muscle and Nerve</i> , 2014, 49, 691-699.	1.0	32
38	Therapeutic RNA interference targeting CKIP-1 with a cross-species sequence to stimulate bone formation. <i>Bone</i> , 2014, 59, 76-88.	1.4	33
39	The beneficial effect of Icaritin on osteoporotic bone is dependent on the treatment initiation timing in adult ovariectomized rats. <i>Bone</i> , 2013, 55, 230-240.	1.4	50
40	Electrical Stimulation Influences Satellite Cell Proliferation and Apoptosis in Unloading-Induced Muscle Atrophy in Mice. <i>PLoS ONE</i> , 2012, 7, e30348.	1.1	84
41	A delivery system targeting bone formation surfaces to facilitate RNAi-based anabolic therapy. <i>Nature Medicine</i> , 2012, 18, 307-314.	15.2	354
42	Pathways of Ca ²⁺ entry and cytoskeletal damage following eccentric contractions in mouse skeletal muscle. <i>Journal of Applied Physiology</i> , 2012, 112, 2077-2086.	1.2	53
43	The effects of low frequency electrical stimulation on satellite cell activity in rat skeletal muscle during hindlimb suspension. <i>BMC Cell Biology</i> , 2010, 11, 87.	3.0	45
44	Stretch-Induced Membrane Damage in Muscle: Comparison of Wild-Type and mdx Mice. <i>Advances in Experimental Medicine and Biology</i> , 2010, 682, 297-313.	0.8	28
45	Role of the calcium-calpain pathway in cytoskeletal damage after eccentric contractions. <i>Journal of Applied Physiology</i> , 2008, 105, 352-357.	1.2	61