

Xiaoxiao Cai

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145
papers

3,263
citations

33
h-index

48
g-index

158
ext. papers

4,200
ext. citations

7.6
avg, IF

5.58
L-index

#	Paper	IF	Citations
145	Independent effect of polymeric nanoparticle zeta potential/surface charge, on their cytotoxicity and affinity to cells. <i>Cell Proliferation</i> , 2015 , 48, 465-74	7.9	97
144	The fabrication of biomimetic biphasic CAN-PAC hydrogel with a seamless interfacial layer applied in osteochondral defect repair. <i>Bone Research</i> , 2017 , 5, 17018	13.3	96
143	Anti-inflammatory and Antioxidative Effects of Tetrahedral DNA Nanostructures via the Modulation of Macrophage Responses. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3421-3430	9.5	88
142	Regeneration of articular cartilage by adipose tissue derived mesenchymal stem cells: perspectives from stem cell biology and molecular medicine. <i>Journal of Cellular Physiology</i> , 2013 , 228, 938-44	7	86
141	Cover Image, Volume 51, Issue 3. <i>Cell Proliferation</i> , 2018 , 51, e12481	7.9	78
140	Cover Image, Volume 52, Issue 2. <i>Cell Proliferation</i> , 2019 , 52, e12620	7.9	78
139	Design, fabrication and applications of tetrahedral DNA nanostructure-based multifunctional complexes in drug delivery and biomedical treatment. <i>Nature Protocols</i> , 2020 , 15, 2728-2757	18.8	78
138	Adipose stem cells originate from perivascular cells. <i>Biology of the Cell</i> , 2011 , 103, 435-47	3.5	76
137	Electrospun Poly(3-hydroxybutyrate-co-4-hydroxybutyrate)/Graphene Oxide Scaffold: Enhanced Properties and Promoted in Vivo Bone Repair in Rats. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42589-42600	9.5	74
136	Advances in biological applications of self-assembled DNA tetrahedral nanostructures. <i>Materials Today</i> , 2019 , 24, 57-68	21.8	72
135	Molecular Mechanisms of PPAR- γ Governing MSC Osteogenic and Adipogenic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2016 , 11, 255-64	3.6	71
134	Doxorubicin conjugated carbon dots as a drug delivery system for human breast cancer therapy. <i>Cell Proliferation</i> , 2018 , 51, e12488	7.9	67
133	Bone marrow derived pluripotent cells are pericytes which contribute to vascularization. <i>Stem Cell Reviews and Reports</i> , 2009 , 5, 437-45	6.4	56
132	Crosstalk between adipose-derived stem cells and chondrocytes: when growth factors matter. <i>Bone Research</i> , 2016 , 4, 15036	13.3	55
131	Effect of matrix stiffness on osteoblast functionalization. <i>Cell Proliferation</i> , 2017 , 50,	7.9	49
130	Enhanced biostability of nanoparticle-based drug delivery systems by albumin corona. <i>Nanomedicine</i> , 2015 , 10, 205-14	5.6	49
129	Effect of tetrahedral DNA nanostructures on proliferation and osteo/odontogenic differentiation of dental pulp stem cells via activation of the notch signaling pathway. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1227-1236	6	45

128	Ectopic osteogenesis and chondrogenesis of bone marrow stromal stem cells in alginate system. <i>Cell Biology International</i> , 2007 , 31, 776-83	4.5	45
127	The JAK/STAT3 signalling pathway regulated angiogenesis in an endothelial cell/adipose-derived stromal cell co-culture, 3D gel model. <i>Cell Proliferation</i> , 2017 , 50,	7.9	44
126	gamma-secretase inhibitor induces adipogenesis of adipose-derived stem cells by regulation of Notch and PPAR-gamma. <i>Cell Proliferation</i> , 2010 , 43, 147-56	7.9	44
125	Fabrication of Calcium Phosphate Microflowers and Their Extended Application in Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30437-30447	9.5	43
124	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12733-9	9.5	43
123	Mechanical stretch inhibits adipogenesis and stimulates osteogenesis of adipose stem cells. <i>Cell Proliferation</i> , 2012 , 45, 158-66	7.9	42
122	Angiogenesis in a 3D model containing adipose tissue stem cells and endothelial cells is mediated by canonical Wnt signaling. <i>Bone Research</i> , 2017 , 5, 17048	13.3	40
121	Polymeric nanoparticles for a drug delivery system. <i>Current Drug Metabolism</i> , 2013 , 14, 840-6	3.5	40
120	Antioxidative and Angiogenesis-Promoting Effects of Tetrahedral Framework Nucleic Acids in Diabetic Wound Healing with Activation of the Akt/Nrf2/HO-1 Pathway. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11397-11408	9.5	36
119	Effects of Micro-environmental pH of Liposome on Chemical Stability of Loaded Drug. <i>Nanoscale Research Letters</i> , 2017 , 12, 504	5	36
118	Regulating osteogenesis and adipogenesis in adipose-derived stem cells by controlling underlying substrate stiffness. <i>Journal of Cellular Physiology</i> , 2018 , 233, 3418-3428	7	36
117	Effects of tetrahedral framework nucleic acid/wogonin complexes on osteoarthritis. <i>Bone Research</i> , 2020 , 8, 6	13.3	35
116	Injectable and thermosensitive TGF- β 1-loaded PCEC hydrogel system for in vivo cartilage repair. <i>Scientific Reports</i> , 2017 , 7, 10553	4.9	35
115	Tetrahedral DNA Nanostructure Promotes Endothelial Cell Proliferation, Migration, and Angiogenesis via Notch Signaling Pathway. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37911-37918	9.5	35
114	Osteogenic differentiation of adipose-derived stem cells prompted by low-intensity pulsed ultrasound. <i>Cell Proliferation</i> , 2013 , 46, 320-7	7.9	34
113	Serum regulates adipogenesis of mesenchymal stem cells via MEK/ERK-dependent PPARgamma expression and phosphorylation. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 922-32	5.6	34
112	Jagged-1-mediated activation of notch signalling induces adipogenesis of adipose-derived stem cells. <i>Cell Proliferation</i> , 2012 , 45, 538-44	7.9	32
111	Notch signalling pathway in tooth development and adult dental cells. <i>Cell Proliferation</i> , 2011 , 44, 495-507	7.9	32

110	Tetrahedral framework nucleic acids prevent retina ischemia-reperfusion injury from oxidative stress via activating the Akt/Nrf2 pathway. <i>Nanoscale</i> , 2019 , 11, 20667-20675	7.7	32
109	Vascularization in Craniofacial Bone Tissue Engineering. <i>Journal of Dental Research</i> , 2018 , 97, 969-976	8.1	30
108	Engineering DNA-Nanozyme Interfaces for Rapid Detection of Dental Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30640-30647	9.5	30
107	The protective effect of tetrahedral framework nucleic acids on periodontium under inflammatory conditions. <i>Bioactive Materials</i> , 2021 , 6, 1676-1688	16.7	30
106	Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) Based Electrospun 3D Scaffolds for Delivery of Autogenic Chondrocytes and Adipose-Derived Stem Cells: Evaluation of Cartilage Defects in Rabbit. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 105-16	4	29
105	Cardioprotection of Tetrahedral DNA Nanostructures in Myocardial Ischemia-Reperfusion Injury. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30631-30639	9.5	28
104	Nanocomplex based on biocompatible phospholipids and albumin for long-circulation applications. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13730-7	9.5	28
103	Curved microstructures promote osteogenesis of mesenchymal stem cells via the RhoA/ROCK pathway. <i>Cell Proliferation</i> , 2017 , 50,	7.9	28
102	Titanium mesh for bone augmentation in oral implantology: current application and progress. <i>International Journal of Oral Science</i> , 2020 , 12, 37	27.9	28
101	Stiffness regulates the proliferation and osteogenic/odontogenic differentiation of human dental pulp stem cells via the WNT signalling pathway. <i>Cell Proliferation</i> , 2018 , 51, e12435	7.9	27
100	Tetrahedral Framework Nucleic Acids Promote Corneal Epithelial Wound Healing in Vitro and in Vivo. <i>Small</i> , 2019 , 15, e1901907	11	26
99	PEGylated Protamine-Based Adsorbing Improves the Biological Properties and Stability of Tetrahedral Framework Nucleic Acids. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27588-27597	9.5	24
98	Targeted and effective glioblastoma therapy via aptamer-modified tetrahedral framework nucleic acid-paclitaxel nanoconjugates that can pass the blood brain barrier. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 21, 102061	6	24
97	Substrate stiffness regulates arterial-venous differentiation of endothelial progenitor cells via the Ras/Mek pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 1799-1808	4.9	24
96	Absorption, pharmacokinetics and disposition properties of solid lipid nanoparticles (SLNs). <i>Current Drug Metabolism</i> , 2012 , 13, 447-56	3.5	24
95	Blockade of receptors of advanced glycation end products ameliorates diabetic osteogenesis of adipose-derived stem cells through DNA methylation and Wnt signalling pathway. <i>Cell Proliferation</i> , 2018 , 51, e12471	7.9	23
94	Bioswitchable Delivery of microRNA by Framework Nucleic Acids: Application to Bone Regeneration. <i>Small</i> , 2021 , 17, e2104359	11	23
93	The effects of interleukin-1 β on modulating osteoclast-conditioned medium's influence on gelatinases in chondrocytes through mitogen-activated protein kinases. <i>International Journal of Oral Science</i> , 2015 , 7, 220-31	27.9	22

92	Adipogenic differentiation potential of adipose-derived mesenchymal stem cells from ovariectomized mice. <i>Cell Proliferation</i> , 2014 , 47, 604-14	7.9	22
91	Uniaxial cyclic tensile stretch inhibits osteogenic and odontogenic differentiation of human dental pulp stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2011 , 5, 347-53	4.4	22
90	The role of miRNAs in the differentiation of adipose-derived stem cells. <i>Current Stem Cell Research and Therapy</i> , 2014 , 9, 268-79	3.6	22
89	Effect of tetrahedral DNA nanostructures on proliferation and osteogenic differentiation of human periodontal ligament stem cells. <i>Cell Proliferation</i> , 2019 , 52, e12566	7.9	21
88	Notch Signaling Pathway Regulates Angiogenesis via Endothelial Cell in 3D Co-Culture Model. <i>Journal of Cellular Physiology</i> , 2017 , 232, 1548-1558	7	21
87	DAPT enhances the apoptosis of human tongue carcinoma cells. <i>International Journal of Oral Science</i> , 2009 , 1, 81-9	27.9	21
86	Surface characterization and osteoblast response to a functionally graded hydroxyapatite/fluoro-hydroxyapatite/titanium oxide coating on titanium surface by sol-gel method. <i>Cell Proliferation</i> , 2014 , 47, 258-66	7.9	20
85	Facilitating In Situ Tumor Imaging with a Tetrahedral DNA Framework-Enhanced Hybridization Chain Reaction Probe. <i>Advanced Functional Materials</i> , 2109728	15.6	20
84	AS1411 aptamer modified carbon dots via polyethylenimine-assisted strategy for efficient targeted cancer cell imaging. <i>Cell Proliferation</i> , 2020 , 53, e12713	7.9	20
83	Monocular perceptual learning of contrast detection facilitates binocular combination in adults with anisometropic amblyopia. <i>Scientific Reports</i> , 2016 , 6, 20187	4.9	20
82	Advanced glycation end products inhibit the osteogenic differentiation potential of adipose-derived stem cells by modulating Wnt/ β -catenin signalling pathway via DNA methylation. <i>Cell Proliferation</i> , 2020 , 53, e12834	7.9	19
81	Substrate stiffness regulated migration and invasion ability of adenoid cystic carcinoma cells via RhoA/ROCK pathway. <i>Cell Proliferation</i> , 2018 , 51, e12442	7.9	19
80	Effect of substrate stiffness on proliferation and differentiation of periodontal ligament stem cells. <i>Cell Proliferation</i> , 2018 , 51, e12478	7.9	19
79	Electrospun P34HB fibres: a scaffold for tissue engineering. <i>Cell Proliferation</i> , 2014 , 47, 465-75	7.9	19
78	Interaction between Schwann cells and osteoblasts in vitro. <i>International Journal of Oral Science</i> , 2010 , 2, 74-81	27.9	18
77	MicroRNA-214-3p modified tetrahedral framework nucleic acids target survivin to induce tumour cell apoptosis. <i>Cell Proliferation</i> , 2020 , 53, e12708	7.9	18
76	Hypoxia enhances angiogenesis in an adipose-derived stromal cell/endothelial cell co-culture 3D gel model. <i>Cell Proliferation</i> , 2016 , 49, 236-45	7.9	17
75	Secreted factors from adipose tissue increase adipogenic differentiation of mesenchymal stem cells. <i>Cell Proliferation</i> , 2012 , 45, 311-9	7.9	17

74	Low-intensity pulsed ultrasound induced enhanced adipogenesis of adipose-derived stem cells. <i>Cell Proliferation</i> , 2013 , 46, 312-9	7.9	16
73	The properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) and its applications in tissue engineering. <i>Current Stem Cell Research and Therapy</i> , 2014 , 9, 215-22	3.6	16
72	Blood exposure to graphene oxide may cause anaphylactic death in non-human primates. <i>Nano Today</i> , 2020 , 35, 100922	17.9	16
71	Tetrahedral Framework Nucleic Acids Induce Immune Tolerance and Prevent the Onset of Type 1 Diabetes. <i>Nano Letters</i> , 2021 , 21, 4437-4446	11.5	16
70	Different Sources of Stem Cells and their Application in Cartilage Tissue Engineering. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 568-575	3.6	15
69	Tetrahedral Framework Nucleic Acids Loaded with Aptamer AS1411 for siRNA Delivery and Gene Silencing in Malignant Melanoma. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6109-6118	9.5	15
68	A DNA Nanostructure-Based Neuroprotectant against Neuronal Apoptosis Inhibiting Toll-like Receptor 2 Signaling Pathway in Acute Ischemic Stroke.. <i>ACS Nano</i> , 2021 ,	16.7	15
67	P34HB electrospun fibres promote bone regeneration in vivo. <i>Cell Proliferation</i> , 2019 , 52, e12601	7.9	14
66	MMP-2 and Notch signal pathway regulate migration of adipose-derived stem cells and chondrocytes in co-culture systems. <i>Cell Proliferation</i> , 2017 , 50,	7.9	14
65	Effects of gamma-secretase inhibition on the proliferation and vitamin D(3) induced osteogenesis in adipose derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 392, 442-7	3.4	14
64	Mechanical compressive force inhibits adipogenesis of adipose stem cells. <i>Cell Proliferation</i> , 2013 , 46, 586-94	7.9	13
63	Alternatively spliced fibronectin molecules in the wounded cornea: analysis by PCR. <i>Investigative Ophthalmology and Visual Science</i> , 1993 , 34, 3585-92		13
62	The application of a newly designed L-shaped titanium mesh for GBR with simultaneous implant placement in the esthetic zone: A retrospective case series study. <i>Clinical Implant Dentistry and Related Research</i> , 2019 , 21, 862-872	3.9	12
61	Sulphur doped carbon dots enhance photodynamic therapy via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , 2020 , 53, e12821	7.9	12
60	Low-intensity pulsed ultrasound upregulates pro-myelination indicators of Schwann cells enhanced by co-culture with adipose-derived stem cells. <i>Cell Proliferation</i> , 2016 , 49, 720-728	7.9	12
59	Perspectives on the toxicology of cadmium-based quantum dots. <i>Current Drug Metabolism</i> , 2013 , 14, 847-56	3.5	12
58	The association between chronic periodontitis and vasculogenic erectile dysfunction: a systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2016 , 43, 206-15	7.7	12
57	Sulphur-doped carbon dots as a highly efficient nano-photodynamic agent against oral squamous cell carcinoma. <i>Cell Proliferation</i> , 2020 , 53, e12786	7.9	12

56	Hypoxia triggers angiogenesis by increasing expression of LOX genes in 3-D culture of ASCs and ECs. <i>Experimental Cell Research</i> , 2017 , 352, 157-163	4.2	11
55	A Lysozyme-activated Tetrahedral Nanobox for Encapsulated siRNA Delivery.. <i>Advanced Materials</i> , 2022 , e2201731	24	11
54	Osteogenic differentiation potential of adipose-derived stem cells from ovariectomized mice. <i>Cell Proliferation</i> , 2017 , 50,	7.9	10
53	Tea Polyphenol-Reduced Graphene Oxide Deposition on Titanium Surface Enhances Osteoblast Bioactivity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 3134-3140	1.3	10
52	Characterization of β -smooth muscle actin positive cells during multilineage differentiation of dental pulp stem cells. <i>Cell Proliferation</i> , 2012 , 45, 259-65	7.9	10
51	Effects of bone morphogenetic protein-4 (BMP-4) on adipocyte differentiation from mouse adipose-derived stem cells. <i>Cell Proliferation</i> , 2013 , 46, 416-24	7.9	10
50	Pegylated carbon nitride nanosheets for enhanced reactive oxygen species generation and photodynamic therapy under hypoxic conditions. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020 , 25, 102167	6	9
49	Tetramethylpyrazine (TMP), an Active Ingredient of Chinese Herb Medicine Chuanxiong, Attenuates the Degeneration of Trabecular Meshwork through SDF-1/CXCR4 Axis. <i>PLoS ONE</i> , 2015 , 10, e0133055	3.7	9
48	Dyscalculia, dysgraphia, and left-right confusion from a left posterior peri-insular infarct. <i>Behavioural Neurology</i> , 2014 , 2014, 823591	3	9
47	Potent anti-angiogenesis and anti-tumour activity of pegaptanib-loaded tetrahedral DNA nanostructure. <i>Cell Proliferation</i> , 2019 , 52, e12662	7.9	8
46	A potential flower-like coating consisting of calcium-phosphate nanosheets on titanium surface. <i>Chinese Chemical Letters</i> , 2017 , 28, 1893-1896	8.1	8
45	Miscellaneous animal models accelerate the application of mesenchymal stem cells for cartilage regeneration. <i>Current Stem Cell Research and Therapy</i> , 2014 , 9, 223-33	3.6	8
44	Aptamer-guided DNA tetrahedrons as a photo-responsive drug delivery system for Mucin 1-expressing breast cancer cells. <i>Applied Materials Today</i> , 2021 , 23, 101010	6.6	8
43	JKAMP inhibits the osteogenic capacity of adipose-derived stem cells in diabetic osteoporosis by modulating the Wnt signaling pathway through intragenic DNA methylation. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 120	8.3	8
42	Genetic susceptibility of postmenopausal osteoporosis on sulfide quinone reductase-like gene. <i>Osteoporosis International</i> , 2018 , 29, 2041-2047	5.3	8
41	Reconstruction of Mandible: A Fully Digital Workflow From Visualized Iliac Bone Grafting to Implant Restoration. <i>Journal of Oral and Maxillofacial Surgery</i> , 2017 , 75, 1403.e1-1403.e10	1.8	7
40	PPAR α and Its Ligands: Potential Antitumor Agents in the Digestive System. <i>Current Stem Cell Research and Therapy</i> , 2016 , 11, 274-81	3.6	7
39	Electrospun Fibers for Cartilage Tissue Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 591-599	3.6	7

38	Tetraploid complementation proves pluripotency of induced pluripotent stem cells derived from adipose tissue. <i>Cell Proliferation</i> , 2015 , 48, 39-46	7.9	6
37	Osteogenesis of Adipose-Derived Stem Cells 2012 ,		6
36	BMP4 promotes vascularization of human adipose stromal cells and endothelial cells in vitro and in vivo. <i>Cell Proliferation</i> , 2013 , 46, 695-704	7.9	6
35	Regulation of Extracellular Matrix Remodeling Proteins by Osteoblasts in Titanium Nanoparticle-Induced Aseptic Loosening Model. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1826-34	4	5
34	Emerging roles of microRNAs in neural stem cells. <i>Current Stem Cell Research and Therapy</i> , 2014 , 9, 234-436	4.36	5
33	Tetrahedral DNA nanostructure improves transport efficiency and anti-fungal effect of histatin 5 against <i>Candida albicans</i> . <i>Cell Proliferation</i> , 2021 , 54, e13020	7.9	5
32	Characterization, Specific Demand and Application of Nanomaterials in Bone Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9381-9392	1.3	5
31	Matrix stiffness regulates arteriovenous differentiation of endothelial progenitor cells during vasculogenesis in nude mice. <i>Cell Proliferation</i> , 2019 , 52, e12557	7.9	5
30	Aptamer-mediated synthesis of multifunctional nano-hydroxyapatite for active tumour bioimaging and treatment. <i>Cell Proliferation</i> , 2021 , 54, e13105	7.9	5
29	Absorption, pharmacokinetics and disposition of biodegradable nanoscale preparations. <i>Current Drug Metabolism</i> , 2012 , 13, 429-39	3.5	4
28	Osteoblast adhesion to clodronate-hydroxyapatite composite. <i>Applied Surface Science</i> , 2008 , 255, 308-317	1.7	4
27	Peroxisome Proliferator-Activated Receptor (PPAR) in Regenerative Medicine: Molecular Mechanism for PPAR in Stem Cells/Adipocyte Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2016 , 11, 290-8	3.6	4
26	Physical Cues Drive Chondrogenic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2018 , 13, 576-582	3.6	4
25	Tetrahedral Framework Nucleic Acids Reverse New-Onset Type 1 Diabetes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50802-50811	9.5	4
24	A novel digital and visualized guided bone regeneration procedure and digital precise bone augmentation: A case series. <i>Clinical Implant Dentistry and Related Research</i> , 2021 , 23, 19-30	3.9	4
23	Enriched Au nanoclusters with mesoporous silica nanoparticles for improved fluorescence/computed tomography dual-modal imaging. <i>Cell Proliferation</i> , 2021 , 54, e13008	7.9	4
22	Synthesis, Characterization, and Biological Study of Carboxyl- and Amino-Rich g-C ₃ N ₄ Nanosheets by Different Processing Routes. <i>Journal of Biomedical Nanotechnology</i> , 2018 , 14, 2114-2123	4	4
21	Corneal Healing: Tetrahedral Framework Nucleic Acids Promote Corneal Epithelial Wound Healing in Vitro and in Vivo (Small 31/2019). <i>Small</i> , 2019 , 15, 1970162	11	3

20	The Construction and Characterization of Nano-FHA Bioceramic Coating on Titanium Surface. <i>Key Engineering Materials</i> , 2007 , 330-332, 333-336	0.4	3
19	One Step Green Reduced and Functionalized Graphene Oxide for Highly Efficient Loading and Effectively Release of Doxorubicin Hydrochloride. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 1309-1320	4.320	3
18	Poly(3-Hydroxybutyrate-co-4-Hydroxybutyrate) Simulated Cartilage Lacunae Scaffold Promotes Cell Proliferation and Cartilage Repair. <i>Nanoscience and Nanotechnology Letters</i> , 2018 , 10, 1523-1531	0.8	3
17	Tetrahedral Framework Nucleic Acids Reestablish Immune Tolerance and Restore Saliva Secretion in a Sjögren's Syndrome Mouse Model. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42543-42553	9.5	3
16	Cellular Response to Surface Topography and Substrate Stiffness. <i>Pancreatic Islet Biology</i> , 2017 , 41-57	0.4	2
15	Functional Reconstruction of Mandibular Segment Defects With Individual Preformed Reconstruction Plate and Computed Tomographic Angiography-Aided Iliac Crest Flap. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019 , 77, 1293-1304	1.8	2
14	Pharmacokinetics of CNT-based drug delivery systems. <i>Current Drug Metabolism</i> , 2013 , 14, 910-20	3.5	2
13	Nucleic acid based tetrahedral framework DNA nanostructures for fibrotic diseases therapy. <i>Applied Materials Today</i> , 2020 , 20, 100725	6.6	2
12	Effects of the tetrahedral framework nucleic acids on the skeletal muscle regeneration in vitro and in vivo. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2731-2743	7.8	2
11	The Application of Tetrahedral Framework Nucleic Acids as a Drug Carrier in Biomedicine Fields. <i>Current Stem Cell Research and Therapy</i> , 2021 , 16, 48-56	3.6	2
10	Tetrahedral framework nucleic acids facilitate neurorestoration of facial nerves by activating the NGF/PI3K/AKT pathway. <i>Nanoscale</i> , 2021 , 13, 15598-15610	7.7	2
9	LncRNA-AK137033 inhibits the osteogenic potential of adipose-derived stem cells in diabetic osteoporosis by regulating Wnt signaling pathway via DNA methylation.. <i>Cell Proliferation</i> , 2021 , e13174	7.9	2
8	Application of Stem Cells and the Factors Influence Their Differentiation in Cartilage Tissue Engineering. <i>Pancreatic Islet Biology</i> , 2017 , 1-20	0.4	1
7	Radial P34HB Electrospun Fiber: A Scaffold for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 6161-6167	1.3	1
6	Pharmacokinetics and applications of magnetic nanoparticles. <i>Current Drug Metabolism</i> , 2013 , 14, 872-8	3.5	1
5	The Application of Nucleic Acids and Nucleic Acid Materials in Antimicrobial Research. <i>Current Stem Cell Research and Therapy</i> , 2021 , 16, 66-73	3.6	1
4	Nanomaterials and Aging. <i>Current Stem Cell Research and Therapy</i> , 2021 , 16, 57-65	3.6	1
3	Applications of tetrahedral DNA nanostructures in wound repair and tissue regeneration.. <i>Burns and Trauma</i> , 2022 , 10, tkac006	5.3	1

- 2 Hard tissue stability after guided bone regeneration: a comparison between digital titanium mesh and resorbable membrane. *International Journal of Oral Science*, **2021**, 13, 37 27.9 ○
- 1 Bioswitchable Delivery of microRNA by Framework Nucleic Acids: Application to Bone Regeneration (Small 47/2021). *Small*, **2021**, 17, 2170248 11