

Xiaoxiao Cai

List of Publications by Year in descending order

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153
papers

5,029
citations

66315

42
h-index

128225

60
g-index

158
all docs

158
docs citations

158
times ranked

5893
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.5	211
2	Independent effect of polymeric nanoparticle zeta potential/surface charge, on their cytotoxicity and affinity to cells. <i>Cell Proliferation</i> , 2015, 48, 465-474.	2.4	161
3	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.	5.4	127
4	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.	4.0	121
5	Doxorubicin conjugated carbon dots as a drug delivery system for human breast cancer therapy. <i>Cell Proliferation</i> , 2018, 51, e12488.	2.4	115
6	Advances in biological applications of self-assembled DNA tetrahedral nanostructures. <i>Materials Today</i> , 2019, 24, 57-68.	8.3	114
7	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, 938-944.	2.0	108
8	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.	4.0	99
9	Molecular Mechanisms of PPAR- γ : Governing MSC Osteogenic and Adipogenic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 255-264.	0.6	93
10	Facilitating In Situ Tumor Imaging with a Tetrahedral DNA Framework-Enhanced Hybridization Chain Reaction Probe. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	93
11	Titanium mesh for bone augmentation in oral implantology: current application and progress. <i>International Journal of Oral Science</i> , 2020, 12, 37.	3.6	88
12	Adipose stem cells originate from perivascular cells. <i>Biology of the Cell</i> , 2011, 103, 435-447.	0.7	87
13	A Lysosome-Activated Tetrahedral Nanobox for Encapsulated siRNA Delivery. <i>Advanced Materials</i> , 2022, 34, e2201731.	11.1	79
14	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.	4.0	74
15	Bioswitchable Delivery of microRNA by Framework Nucleic Acids: Application to Bone Regeneration. <i>Small</i> , 2021, 17, e2104359.	5.2	70
16	Crosstalk between adipose-derived stem cells and chondrocytes: when growth factors matter. <i>Bone Research</i> , 2016, 4, 15036.	5.4	67
17	Effect of matrix stiffness on osteoblast functionalization. <i>Cell Proliferation</i> , 2017, 50, .	2.4	67
18	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.	1.7	67

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19	Effects of tetrahedral framework nucleic acid/wogonin complexes on osteoarthritis. <i>Bone Research</i> , 2020, 8, 6.	5.4	67
20	A DNA Nanostructure-Based Neuroprotectant against Neuronal Apoptosis <i>via</i> Inhibiting Toll-like Receptor 2 Signaling Pathway in Acute Ischemic Stroke. <i>ACS Nano</i> , 2022, 16, 1456-1470.	7.3	64
21	The protective effect of tetrahedral framework nucleic acids on periodontium under inflammatory conditions. <i>Bioactive Materials</i> , 2021, 6, 1676-1688.	8.6	63
22	Bone marrow Derived Pluripotent Cells are Pericytes which Contribute to Vascularization. <i>Stem Cell Reviews and Reports</i> , 2009, 5, 437-445.	5.6	60
23	The <i>JAK</i> / <i>STAT</i> 3 signalling pathway regulated angiogenesis in an endothelial cell/adipose-derived stromal cell culture, 3D gel model. <i>Cell Proliferation</i> , 2017, 50, .	2.4	60
24	Vascularization in Craniofacial Bone Tissue Engineering. <i>Journal of Dental Research</i> , 2018, 97, 969-976.	2.5	58
25	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12733-12739.	4.0	56
26	Tetrahedral framework nucleic acids prevent retina ischemia-reperfusion injury from oxidative stress <i>via</i> activating the Akt/Nrf2 pathway. <i>Nanoscale</i> , 2019, 11, 20667-20675.	2.8	56
27	Enhanced biostability of nanoparticle-based drug delivery systems by albumin corona. <i>Nanomedicine</i> , 2015, 10, 205-214.	1.7	55
28	Regulating osteogenesis and adipogenesis in adipose-derived stem cells by controlling underlying substrate stiffness. <i>Journal of Cellular Physiology</i> , 2018, 233, 3418-3428.	2.0	55
29	Mechanical stretch inhibits adipogenesis and stimulates osteogenesis of adipose stem cells. <i>Cell Proliferation</i> , 2012, 45, 158-166.	2.4	52
30	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.	5.4	52
31	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.	4.0	52
32	Tetrahedral Framework Nucleic Acids Promote Corneal Epithelial Wound Healing in Vitro and in Vivo. <i>Small</i> , 2019, 15, e1901907.	5.2	51
33	Ectopic osteogenesis and chondrogenesis of bone marrow stromal stem cells in alginate system. <i>Cell Biology International</i> , 2007, 31, 776-783.	1.4	50
34	PPAR γ inhibitor induces adipogenesis of adipose-derived stem cells by regulation of Notch and PPAR γ . <i>Cell Proliferation</i> , 2010, 43, 147-156.	2.4	50
35	Stiffness regulates the proliferation and osteogenic/odontogenic differentiation of human dental pulp stem cells via the <i>WNT</i> signalling pathway. <i>Cell Proliferation</i> , 2018, 51, e12435.	2.4	50
36	Cardioprotection of Tetrahedral DNA Nanostructures in Myocardial Ischemia-Reperfusion Injury. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30631-30639.	4.0	50

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37	Polymeric Nanoparticles for a Drug Delivery System. <i>Current Drug Metabolism</i> , 2013, 14, 840-846.	0.7	49
38	Fabrication of Calcium Phosphate Microflowes and Their Extended Application in Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30437-30447.	4.0	48
39	Tetrahedral DNA Nanostructure Promotes Endothelial Cell Proliferation, Migration, and Angiogenesis via Notch Signaling Pathway. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37911-37918.	4.0	48
40	Engineering DNA-templated Nanozyme Interfaces for Rapid Detection of Dental Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30640-30647.	4.0	48
41	Injectable and thermosensitive TGF- β 1-loaded PCEC hydrogel system for in vivo cartilage repair. <i>Scientific Reports</i> , 2017, 7, 10553.	1.6	47
42	Effects of Micro-environmental pH of Liposome on Chemical Stability of Loaded Drug. <i>Nanoscale Research Letters</i> , 2017, 12, 504.	3.1	47
43	AS1411 aptamer modified carbon dots via polyethylenimine-assisted strategy for efficient targeted cancer cell imaging. <i>Cell Proliferation</i> , 2020, 53, e12713.	2.4	45
44	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.	1.7	44
45	Osteogenic differentiation of adipose-derived stem cells prompted by low-intensity pulsed ultrasound. <i>Cell Proliferation</i> , 2013, 46, 320-327.	2.4	43
46	Serum regulates adipogenesis of mesenchymal stem cells via MEK/ERK-dependent PPAR β expression and phosphorylation. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 922-932.	1.6	41
47	Notch signalling pathway in tooth development and adult dental cells. <i>Cell Proliferation</i> , 2011, 44, 495-507.	2.4	41
48	Tetrahedral Framework Nucleic Acids Induce Immune Tolerance and Prevent the Onset of Type 1 Diabetes. <i>Nano Letters</i> , 2021, 21, 4437-4446.	4.5	41
49	Curved microstructures promote osteogenesis of mesenchymal stem cells via the RhoA/ROCK pathway. <i>Cell Proliferation</i> , 2017, 50, .	2.4	40
50	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.	2.4	40
51	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.	2.4	38
52	Different Sources of Stem Cells and their Application in Cartilage Tissue Engineering. <i>Current Stem Cell Research and Therapy</i> , 2018, 13, 568-575.	0.6	38
53	Effect of substrate stiffness on proliferation and differentiation of periodontal ligament stem cells. <i>Cell Proliferation</i> , 2018, 51, e12478.	2.4	37
54	Effect of tetrahedral DNA nanostructures on proliferation and osteogenic differentiation of human periodontal ligament stem cells. <i>Cell Proliferation</i> , 2019, 52, e12566.	2.4	37

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55	Jagged α -mediated activation of notch signalling induces adipogenesis of adipose-derived stem cells. <i>Cell Proliferation</i> , 2012, 45, 538-544.	2.4	35
56	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.	4.0	35
57	Absorption, Pharmacokinetics and Disposition Properties of Solid Lipid Nanoparticles (SLNs). <i>Current Drug Metabolism</i> , 2012, 13, 447-456.	0.7	33
58	Sulphur-doped carbon dots as a highly efficient nano-photodynamic agent against oral squamous cell carcinoma. <i>Cell Proliferation</i> , 2020, 53, e12786.	2.4	33
59	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, 105-116.	0.5	32
60	The effects of interleukin-1 β in modulating osteoclast-conditioned medium's influence on gelatinases in chondrocytes through mitogen-activated protein kinases. <i>International Journal of Oral Science</i> , 2015, 7, 220-231.	3.6	32
61	Nanocomplex Based on Biocompatible Phospholipids and Albumin for Long-Circulation Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13730-13737.	4.0	31
62	Interaction between Schwann Cells and Osteoblasts In Vitro. <i>International Journal of Oral Science</i> , 2010, 2, 74-81.	3.6	30
63	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.	1.9	29
64	Blood exposure to graphene oxide may cause anaphylactic death in non-human primates. <i>Nano Today</i> , 2020, 35, 100922.	6.2	29
65	DAPT Enhances the Apoptosis of Human Tongue Carcinoma Cells. <i>International Journal of Oral Science</i> , 2009, 1, 81-89.	3.6	28
66	The Role of miRNAs in the Differentiation of Adipose-Derived Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 268-279.	0.6	28
67	Adipogenic differentiation potential of adipose-derived mesenchymal stem cells from ovariectomized mice. <i>Cell Proliferation</i> , 2014, 47, 604-614.	2.4	27
68	Notch Signaling Pathway Regulates Angiogenesis via Endothelial Cell in 3D Co-culture Model. <i>Journal of Cellular Physiology</i> , 2017, 232, 1548-1558.	2.0	27
69	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.	1.6	27
70	Sulphur doped carbon dots enhance photodynamic therapy via PI3K/Akt signalling pathway. <i>Cell Proliferation</i> , 2020, 53, e12821.	2.4	26
71	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, 347-353.	1.3	25
72	Substrate stiffness regulated migration and invasion ability of adenoid cystic carcinoma cells via RhoA/ROCK pathway. <i>Cell Proliferation</i> , 2018, 51, e12442.	2.4	25

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73	MicroRNA-214 ^{3p} modified tetrahedral framework nucleic acids target survivin to induce tumour cell apoptosis. <i>Cell Proliferation</i> , 2020, 53, e12708.	2.4	25
74	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, 258-266.	2.4	24
75	Monocular perceptual learning of contrast detection facilitates binocular combination in adults with anisometropic amblyopia. <i>Scientific Reports</i> , 2016, 6, 20187.	1.6	24
76	Hypoxia enhances angiogenesis in an adipose-derived stromal cell/endothelial cell co-culture 3D gel model. <i>Cell Proliferation</i> , 2016, 49, 236-245.	2.4	23
77	P34HB electrospun fibres promote bone regeneration in vivo. <i>Cell Proliferation</i> , 2019, 52, e12601.	2.4	23
78	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.	2.4	22
79	Aptamer-mediated synthesis of multifunctional nano-hydroxyapatite for active tumour bioimaging and treatment. <i>Cell Proliferation</i> , 2021, 54, e13105.	2.4	21
80	Secreted factors from adipose tissue increase adipogenic differentiation of mesenchymal stem cells. <i>Cell Proliferation</i> , 2012, 45, 311-319.	2.4	20
81	Mechanical compressive force inhibits adipogenesis of adipose stem cells. <i>Cell Proliferation</i> , 2013, 46, 586-594.	2.4	20
82	Low-intensity pulsed ultrasound induced enhanced adipogenesis of adipose-derived stem cells. <i>Cell Proliferation</i> , 2013, 46, 312-319.	2.4	20
83	Electrospun P34HB fibres: a scaffold for tissue engineering. <i>Cell Proliferation</i> , 2014, 47, 465-475.	2.4	20
84	LncRNA-CAK137033 inhibits the osteogenic potential of adipose-derived stem cells in diabetic osteoporosis by regulating Wnt signaling pathway via DNA methylation. <i>Cell Proliferation</i> , 2022, 55, e13174.	2.4	20
85	Osteogenic differentiation potential of adipose-derived stem cells from ovariectomized mice. <i>Cell Proliferation</i> , 2017, 50, .	2.4	18
86	Effects of β -secretase inhibition on the proliferation and vitamin D3 induced osteogenesis in adipose derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 392, 442-447.	1.0	17
87	Potent anti-angiogenesis and anti-tumour activity of pegaptanib-loaded tetrahedral DNA nanostructure. <i>Cell Proliferation</i> , 2019, 52, e12662.	2.4	17
88	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.	1.6	17
89	Hard tissue stability after guided bone regeneration: a comparison between digital titanium mesh and resorbable membrane. <i>International Journal of Oral Science</i> , 2021, 13, 37.	3.6	17
90	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.	1.2	16

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91	<i>MMP2</i> and Notch signal pathway regulate migration of adipose-derived stem cells and chondrocytes in co-culture systems. <i>Cell Proliferation</i> , 2017, 50, .	2.4	16
92	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.	2.4	16
93	Enriched Au nanoclusters with mesoporous silica nanoparticles for improved fluorescence/computed tomography dual-modal imaging. <i>Cell Proliferation</i> , 2021, 54, e13008.	2.4	16
94	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, 215-222.	0.6	16
95	The association between chronic periodontitis and vasculogenic erectile dysfunction: a systematic review and meta-analysis. <i>Journal of Clinical Periodontology</i> , 2016, 43, 206-215.	2.3	15
96	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.	2.3	15
97	Tetrahedral-Framework Nucleic Acids Carry Small Interfering RNA to Downregulate Toll-Like Receptor 2 Gene Expression for the Treatment of Sepsis. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6442-6452.	4.0	15
98	Effects of bone morphogenetic protein4 (BMP4) on adipocyte differentiation from mouse adipose-derived stem cells. <i>Cell Proliferation</i> , 2013, 46, 416-424.	2.4	14
99	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.	2.4	14
100	Alternatively spliced fibronectin molecules in the wounded cornea: analysis by PCR. <i>Investigative Ophthalmology and Visual Science</i> , 1993, 34, 3585-92.	3.3	14
101	A potential flower-like coating consisting of calcium-phosphate nanosheets on titanium surface. <i>Chinese Chemical Letters</i> , 2017, 28, 1893-1896.	4.8	13
102	Tea Polyphenol-Reduced Graphene Oxide Deposition on Titanium Surface Enhances Osteoblast Bioactivity. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3134-3140.	0.9	13
103	Matrix stiffness regulates arteriovenous differentiation of endothelial progenitor cells during vasculogenesis in nude mice. <i>Cell Proliferation</i> , 2019, 52, e12557.	2.4	13
104	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.	4.0	13
105	Tetrahedral framework nucleic acids facilitate neurorestoration of facial nerves by activating the NGF/PI3K/AKT pathway. <i>Nanoscale</i> , 2021, 13, 15598-15610.	2.8	13
106	Electrospun Fibers for Cartilage Tissue Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2018, 13, 591-599.	0.6	13
107	Tetrahedral framework nucleic acids-based delivery promotes intracellular transfer of healing peptides and accelerates diabetic wound healing. <i>Cell Proliferation</i> , 2022, 55, .	2.4	13
108	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.	1.1	12

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109	Genetic susceptibility of postmenopausal osteoporosis on sulfide quinone reductase-like gene. <i>Osteoporosis International</i> , 2018, 29, 2041-2047.	1.3	12
110	Perspectives on the Toxicology of Cadmium-based Quantum Dots. <i>Current Drug Metabolism</i> , 2013, 14, 847-856.	0.7	12
111	Tetrahedral framework nucleic acids regulate osteogenic differentiation potential of osteoporotic adipose-derived stem cells. <i>Chinese Chemical Letters</i> , 2022, 33, 2517-2521.	4.8	12
112	Characterization of α -smooth muscle actin positive cells during multilineage differentiation of dental pulp stem cells. <i>Cell Proliferation</i> , 2012, 45, 259-265.	2.4	11
113	Dyscalculia, Dysgraphia, and Left-Right Confusion from a Left Posterior Peri-Insular Infarct. <i>Behavioural Neurology</i> , 2014, 2014, 1-4.	1.1	10
114	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.	1.7	10
115	Miscellaneous Animal Models Accelerate the Application of Mesenchymal Stem Cells for Cartilage Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 223-233.	0.6	10
116	PPAR β ; and Its Ligands: Potential Antitumor Agents in the Digestive System. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 274-281.	0.6	10
117	Tetrahedral Framework Nucleic Acids Connected with MicroRNA-126 Mimics for Applications in Vascular Inflammation, Remodeling, and Homeostasis. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19091-19103.	4.0	10
118	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.	0.5	9
119	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.	0.5	9
120	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.	0.6	9
121	Tetraploid complementation proves pluripotency of induced pluripotent stem cells derived from adipose tissue. <i>Cell Proliferation</i> , 2015, 48, 39-46.	2.4	8
122	DNA Nanorobot Delivers Antisense Oligonucleotides Silencing c-Met Gene Expression for Cancer Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2019, 15, 1948-1959.	0.5	8
123	Applications of tetrahedral DNA nanostructures in wound repair and tissue regeneration. <i>Burns and Trauma</i> , 2022, 10, tkac006.	2.3	8
124	BMP4 promotes vascularization of human adipose stromal cells and endothelial cells <i>in vitro</i> and <i>in vivo</i> . <i>Cell Proliferation</i> , 2013, 46, 695-704.	2.4	7
125	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.	0.5	7
126	Nucleic acid based tetrahedral framework DNA nanostructures for fibrotic diseases therapy. <i>Applied Materials Today</i> , 2020, 20, 100725.	2.3	7

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127	Effects of the tetrahedral framework nucleic acids on the skeletal muscle regeneration <i>in vitro</i> and <i>in vivo</i> . <i>Materials Chemistry Frontiers</i> , 2020, 4, 2731-2743.	3.2	7
128	Nanomaterials and Aging. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 57-65.	0.6	7
129	Osteogenesis of Adipose-Derived Stem Cells. , 2012, , .		6
130	Regulation of Extracellular Matrix Remodeling Proteins by Osteoblasts in Titanium Nanoparticle-Induced Aseptic Loosening Model. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1826-1835.	0.5	6
131	The Application of Nucleic Acids and Nucleic Acid Materials in Antimicrobial Research. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 66-73.	0.6	6
132	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, 290-298.	0.6	6
133	Physical Cues Drive Chondrogenic Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2018, 13, 576-582.	0.6	6
134	Characterization, Specific Demand and Application of Nanomaterials in Bone Regeneration. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9381-9392.	0.9	5
135	Emerging Roles of microRNAs in Neural Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 234-243.	0.6	5
136	Tetrahedral Framework Nucleic Acids Reverse New-Onset Type 1 Diabetes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50802-50811.	4.0	5
137	Osteoblast adhesion to clodronate-hydroxyapatite composite. <i>Applied Surface Science</i> , 2008, 255, 308-311.	3.1	4
138	Absorption, Pharmacokinetics and Disposition of Biodegradable Nanoscale Preparations. <i>Current Drug Metabolism</i> , 2012, 13, 429-439.	0.7	4
139	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.	5.2	4
140	Biological regulation on synovial fibroblast and the treatment of rheumatoid arthritis by nobiletin-loaded tetrahedral framework nucleic acids cargo tank. <i>Chinese Chemical Letters</i> , 2023, 34, 107549.	4.8	4
141	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
142	Cellular Response to Surface Topography and Substrate Stiffness. <i>Pancreatic Islet Biology</i> , 2017, , 41-57.	0.1	3
143	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.	0.5	3
144	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.	0.4	3

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145	Pharmacokinetics and Applications of Magnetic Nanoparticles. <i>Current Drug Metabolism</i> , 2013, 14, 872-878.	0.7	3
146	Pharmacokinetics of CNT-based Drug Delivery Systems. <i>Current Drug Metabolism</i> , 2013, 14, 910-920.	0.7	3
147	Radial P34HB Electrospun Fiber: A Scaffold for Bone Tissue Engineering. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6161-6167.	0.9	2
148	Application of Stem Cells and the Factors Influence Their Differentiation in Cartilage Tissue Engineering. <i>Pancreatic Islet Biology</i> , 2017, , 1-20.	0.1	1
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