

Yun-Feng Lin

List of Publications by Year in descending order

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287
papers

13,372
citations

23567

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94
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all docs

304
docs citations

304
times ranked

14799
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying Autism Loci and Genes by Tracing Recent Shared Ancestry. <i>Science</i> , 2008, 321, 218-223.	12.6	688
2	Nanomaterials and bone regeneration. <i>Bone Research</i> , 2015, 3, 15029.	11.4	415
3	Preformed albumin corona, a protective coating for nanoparticles based drug delivery system. <i>Biomaterials</i> , 2013, 34, 8521-8530.	11.4	293
4	The Effect of shape on Cellular Uptake of Gold Nanoparticles in the forms of Stars, Rods, and Triangles. <i>Scientific Reports</i> , 2017, 7, 3827.	3.3	280
5	The BRCA1-associated protein BACH1 is a DNA helicase targeted by clinically relevant inactivating mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2357-2362.	7.1	215
6	Odontogenic tumours: a retrospective study of 1642 cases in a Chinese population. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2007, 36, 20-25.	1.5	214
7	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.	12.0	211
8	Engineered vascularized bone grafts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3311-3316.	7.1	207
9	Independent effect of polymeric nanoparticle zeta potential/surface charge, on their cytotoxicity and affinity to cells. <i>Cell Proliferation</i> , 2015, 48, 465-474.	5.3	161
10	Biomimetic Nanoerythroosome-Coated Aptamer-DNA Tetrahedron/Maytansine Conjugates: pH-Responsive and Targeted Cytotoxicity for HER2-Positive Breast Cancer. <i>Advanced Materials</i> , 2022, 34, e2109609.	21.0	158
11	An Intelligent DNA Nanorobot with <i>in Vitro</i> Enhanced Protein Lysosomal Degradation of HER2. <i>Nano Letters</i> , 2019, 19, 4505-4517.	9.1	153
12	Aptamer-Modified Tetrahedral DNA Nanostructure for Tumor-Targeted Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36695-36701.	8.0	150
13	Functionalizing Framework Nucleic Acid-Based Nanostructures for Biomedical Application. <i>Advanced Materials</i> , 2022, 34, e2107820.	21.0	148
14	Anti-inflammatory activity of curcumin-loaded tetrahedral framework nucleic acids on acute gouty arthritis. <i>Bioactive Materials</i> , 2022, 8, 368-380.	15.6	142
15	Doxorubicin-loaded environmentally friendly carbon dots as a novel drug delivery system for nucleus targeted cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 349-359.	5.0	136
16	Molecular and cellular characterization during chondrogenic differentiation of adipose tissue-derived stromal cells <i>in vitro</i> and cartilage formation <i>in vivo</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2005, 9, 929-939.	3.6	127
17	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.	11.4	127
18	Overcoming drug-resistant lung cancer by paclitaxel loaded tetrahedral DNA nanostructures. <i>Nanoscale</i> , 2018, 10, 5457-5465.	5.6	123

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19	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.	8.0	121
20	Inhibiting Methicillin-Resistant <i>Staphylococcus aureus</i> by Tetrahedral DNA Nanostructure-Enabled Antisense Peptide Nucleic Acid Delivery. <i>Nano Letters</i> , 2018, 18, 5652-5659.	9.1	117
21	Advances in biological applications of self-assembled DNA tetrahedral nanostructures. <i>Materials Today</i> , 2019, 24, 57-68.	14.2	114
22	The Pex16p Homolog SSE1 and Storage Organelle Formation in Arabidopsis Seeds. <i>Science</i> , 1999, 284, 328-330.	12.6	110
23	The biological applications of DNA nanomaterials: current challenges and future directions. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 351.	17.1	110
24	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.	4.1	108
25	Clicking DNA to gold nanoparticles: poly-adenine-mediated formation of monovalent DNA-gold nanoparticle conjugates with nearly quantitative yield. <i>NPG Asia Materials</i> , 2015, 7, e159-e159.	7.9	107
26	Insight into the Interaction of Graphene Oxide with Serum Proteins and the Impact of the Degree of Reduction and Concentration. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13367-13374.	8.0	106
27	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.	8.0	99
28	Snail and Slug collaborate on EMT and tumor metastasis through miR-101-mediated EZH2 axis in oral tongue squamous cell carcinoma. <i>Oncotarget</i> , 2015, 6, 6794-6810.	1.8	99
29	Solution structure of the catalytic domain of GCN5 histone acetyltransferase bound to coenzyme A. <i>Nature</i> , 1999, 400, 86-89.	27.8	96
30	Self-Assembled Tetrahedral DNA Nanostructures Promote Neural Stem Cell Proliferation and Neuronal Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7892-7900.	8.0	94
31	Facilitating In Situ Tumor Imaging with a Tetrahedral DNA Framework-Enhanced Hybridization Chain Reaction Probe. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	93
32	Peroxisome Proliferator-Activated Receptor- β : Master Regulator of Adipogenesis and Obesity. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 282-289.	1.3	90
33	Adipose stem cells originate from perivascular cells. <i>Biology of the Cell</i> , 2011, 103, 435-447.	2.0	87
34	IGF-1 promotes angiogenesis in endothelial cells/adipose-derived stem cells co-culture system with activation of PI3K/Akt signal pathway. <i>Cell Proliferation</i> , 2017, 50, .	5.3	85
35	Tetrahedral DNA Nanostructure: A Potential Promoter for Cartilage Tissue Regeneration via Regulating Chondrocyte Phenotype and Proliferation. <i>Small</i> , 2017, 13, 1602770.	10.0	83
36	Tetrahedral Framework Nucleic Acids Deliver Antimicrobial Peptides with Improved Effects and Less Susceptibility to Bacterial Degradation. <i>Nano Letters</i> , 2020, 20, 3602-3610.	9.1	82

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37	Self-Assembled Tetrahedral DNA Nanostructures Promote Adipose-Derived Stem Cell Migration via lncRNA XLOC 010623 and RHOA/ROCK2 Signal Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19353-19363.	8.0	80
38	Modulation of the Crosstalk between Schwann Cells and Macrophages for Nerve Regeneration: A Therapeutic Strategy Based on a Multifunctional Tetrahedral Framework Nucleic Acids System. <i>Advanced Materials</i> , 2022, 34, e2202513.	21.0	80
39	Chitosan hydrogel/3D-printed poly(ϵ -caprolactone) hybrid scaffold containing synovial mesenchymal stem cells for cartilage regeneration based on tetrahedral framework nucleic acid recruitment. <i>Biomaterials</i> , 2021, 278, 121131.	11.4	79
40	A Lysosome-Activated Tetrahedral Nanobox for Encapsulated siRNA Delivery. <i>Advanced Materials</i> , 2022, 34, e2201731.	21.0	79
41	Osteogenesis of Adipose-Derived Stem Cells. <i>Bone Research</i> , 2013, 1, 133-145.	11.4	77
42	DNA-Based Nanomedicine with Targeting and Enhancement of Therapeutic Efficacy of Breast Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15354-15365.	8.0	77
43	Tetrahedral framework nucleic acids-based delivery of microRNA-155 inhibits choroidal neovascularization by regulating the polarization of macrophages. <i>Bioactive Materials</i> , 2022, 14, 134-144.	15.6	77
44	Multilineage differentiation of adipose-derived stromal cells from GFP transgenic mice. <i>Molecular and Cellular Biochemistry</i> , 2006, 285, 69-78.	3.1	70
45	Bioswitchable Delivery of microRNA by Framework Nucleic Acids: Application to Bone Regeneration. <i>Small</i> , 2021, 17, e2104359.	10.0	70
46	DNA-based plasmonic nanostructures. <i>Materials Today</i> , 2015, 18, 326-335.	14.2	68
47	Nanomaterials for Craniofacial and Dental Tissue Engineering. <i>Journal of Dental Research</i> , 2017, 96, 725-732.	5.2	68
48	Crosstalk between adipose-derived stem cells and chondrocytes: when growth factors matter. <i>Bone Research</i> , 2016, 4, 15036.	11.4	67
49	Softening Substrates Promote Chondrocytes Phenotype via RhoA/ROCK Pathway. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22884-22891.	8.0	67
50	Effect of matrix stiffness on osteoblast functionalization. <i>Cell Proliferation</i> , 2017, 50, .	5.3	67
51	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.	3.3	67
52	Enhanced Efficacy of Temozolomide Loaded by a Tetrahedral Framework DNA Nanoparticle in the Therapy for Glioblastoma. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39525-39533.	8.0	67
53	Tetrahedral DNA Nanostructure-Delivered DNAzyme for Gene Silencing to Suppress Cell Growth. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6850-6857.	8.0	67
54	Effects of tetrahedral framework nucleic acid/wogonin complexes on osteoarthritis. <i>Bone Research</i> , 2020, 8, 6.	11.4	67

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55	A Framework Nucleic Acid Based Robotic Nanobee for Active Targeting Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2007342.	14.9	65
56	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.	14.6	64
57	Prospects and challenges of dynamic DNA nanostructures in biomedical applications. <i>Bone Research</i> , 2022, 10, .	11.4	64
58	The protective effect of tetrahedral framework nucleic acids on periodontium under inflammatory conditions. <i>Bioactive Materials</i> , 2021, 6, 1676-1688.	15.6	63
59	Tetrahedral Framework Nucleic Acids Can Alleviate Taurocholate-Induced Severe Acute Pancreatitis and Its Subsequent Multiorgan Injury in Mice. <i>Nano Letters</i> , 2022, 22, 1759-1768.	9.1	63
60	Osteogenic differentiation of adipose-derived stem cells promoted by quercetin. <i>Cell Proliferation</i> , 2014, 47, 124-132.	5.3	62
61	Synthesis of an ethyleneimine/tetrahedral DNA nanostructure complex and its potential application as a multi-functional delivery vehicle. <i>Nanoscale</i> , 2017, 9, 18402-18412.	5.6	62
62	Effects of tetrahedral DNA nanostructures on autophagy in chondrocytes. <i>Chemical Communications</i> , 2018, 54, 1327-1330.	4.1	62
63	Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , 2018, 46, 1185-1198.	4.2	61
64	Tetrahedral framework nucleic acids promote scarless healing of cutaneous wounds via the AKT-signaling pathway. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 120.	17.1	61
65	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
66	The <i>JAK</i> / <i>STAT</i> ³ signalling pathway regulated angiogenesis in an endothelial cell/adipose-derived stromal cell co-culture, 3D gel model. <i>Cell Proliferation</i> , 2017, 50, .	5.3	60
67	Osteogenic differentiation of adipose derived stem cells promoted by overexpression of osterix. <i>Molecular and Cellular Biochemistry</i> , 2007, 301, 83-92.	3.1	59
68	Bioengineered Periodontal Tissue Formed on Titanium Dental Implants. <i>Journal of Dental Research</i> , 2011, 90, 251-256.	5.2	59
69	Modulation of chondrocyte motility by tetrahedral <i>DNA</i> nanostructures. <i>Cell Proliferation</i> , 2017, 50, .	5.3	59
70	Vascularization in Craniofacial Bone Tissue Engineering. <i>Journal of Dental Research</i> , 2018, 97, 969-976.	5.2	58
71	Aptamer-targeted <i>DNA</i> nanostructures with doxorubicin to treat protein tyrosine kinase 7-positive tumours. <i>Cell Proliferation</i> , 2019, 52, e12511.	5.3	58
72	Pluripotency potential of human adipose-derived stem cells marked with exogenous green fluorescent protein. <i>Molecular and Cellular Biochemistry</i> , 2006, 291, 1-10.	3.1	57

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73	Repair of infected bone defect with Clindamycin-Tetrahedral DNA nanostructure Complex-loaded 3D bioprinted hybrid scaffold. <i>Chemical Engineering Journal</i> , 2022, 435, 134855.	12.7	57
74	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12733-12739.	8.0	56
75	Neuroprotective Effect of Tetrahedral DNA Nanostructures in a Cell Model of Alzheimer's Disease. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23682-23692.	8.0	56
76	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.	5.6	56
77	Application of Modified Retromandibular Approach Indirectly From the Anterior Edge of the Parotid Gland in the Surgical Treatment of Condylar Fracture. <i>Journal of Oral and Maxillofacial Surgery</i> , 2009, 67, 552-558.	1.2	55
78	Enhanced biostability of nanoparticle-based drug delivery systems by albumin corona. <i>Nanomedicine</i> , 2015, 10, 205-214.	3.3	55
79	Effect of tetrahedral DNA nanostructures on osteogenic differentiation of mesenchymal stem cells via activation of the Wnt/ β -catenin signaling pathway. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1809-1819.	3.3	55
80	Regulating osteogenesis and adipogenesis in adipose-derived stem cells by controlling underlying substrate stiffness. <i>Journal of Cellular Physiology</i> , 2018, 233, 3418-3428.	4.1	55
81	Combination of bone tissue engineering and BMP-2 gene transfection promotes bone healing in osteoporotic rats. <i>Cell Biology International</i> , 2008, 32, 1150-1157.	3.0	54
82	Mechanical stretch inhibits adipogenesis and stimulates osteogenesis of adipose stem cells. <i>Cell Proliferation</i> , 2012, 45, 158-166.	5.3	52
83	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.	11.4	52
84	Tetrahedral DNA nanostructures facilitate neural stem cell migration <i>via</i> activating RHOA/ROCK2 signalling pathway. <i>Cell Proliferation</i> , 2018, 51, e12503.	5.3	52
85	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.	8.0	52
86	Tetrahedral Framework Nucleic Acids Promote Corneal Epithelial Wound Healing in Vitro and in Vivo. <i>Small</i> , 2019, 15, e1901907.	10.0	51
87	Tetrahedral framework nucleic acids act as antioxidants in acute kidney injury treatment. <i>Chemical Engineering Journal</i> , 2021, 413, 127426.	12.7	51
88	Ectopic osteogenesis and chondrogenesis of bone marrow stromal stem cells in alginate system. <i>Cell Biology International</i> , 2007, 31, 776-783.	3.0	50
89	β -secretase inhibitor induces adipogenesis of adipose-derived stem cells by regulation of Notch and PPAR β . <i>Cell Proliferation</i> , 2010, 43, 147-156.	5.3	50
90	Total magnetic resonance imaging burden of cerebral small vessel disease is associated with post-stroke depression in patients with acute lacunar stroke. <i>European Journal of Neurology</i> , 2017, 24, 374-380.	3.3	50

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91	Electrospun Fibers for Dental and Craniofacial Applications. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 187-195.	1.3	50
92	Individual Design and Rapid Prototyping in Reconstruction of Orbital Wall Defects. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010, 68, 562-570.	1.2	49
93	Erythromycin loaded by tetrahedral framework nucleic acids are more antimicrobial sensitive against <i>Escherichia coli</i> (E. coli). <i>Bioactive Materials</i> , 2021, 6, 2281-2290.	15.6	49
94	Polymeric Nanoparticles for a Drug Delivery System. <i>Current Drug Metabolism</i> , 2013, 14, 840-846.	1.2	49
95	Fabrication of Calcium Phosphate Microflowers and Their Extended Application in Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30437-30447.	8.0	48
96	Substrate stiffness regulated migration and angiogenesis potential of A549 cells and HUVECs. <i>Journal of Cellular Physiology</i> , 2018, 233, 3407-3417.	4.1	48
97	Nucleic acids and analogs for bone regeneration. <i>Bone Research</i> , 2018, 6, 37.	11.4	48
98	Tetrahedral DNA Nanostructure Promotes Endothelial Cell Proliferation, Migration, and Angiogenesis via Notch Signaling Pathway. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37911-37918.	8.0	48
99	Engineering DNA-templated Nanozyme Interfaces for Rapid Detection of Dental Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30640-30647.	8.0	48
100	Injectable and thermosensitive TGF- β 1-loaded PCEC hydrogel system for in vivo cartilage repair. <i>Scientific Reports</i> , 2017, 7, 10553.	3.3	47
101	Effects of Micro-environmental pH of Liposome on Chemical Stability of Loaded Drug. <i>Nanoscale Research Letters</i> , 2017, 12, 504.	5.7	47
102	The Endothelial-Mesenchymal Transition (EndMT) and Tissue Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 196-204.	1.3	47
103	Therapeutic siCCR2 Loaded by Tetrahedral Framework DNA Nanorobotics in Therapy for Intracranial Hemorrhage. <i>Advanced Functional Materials</i> , 2021, 31, 2101435.	14.9	46
104	Bone regeneration by BMP-2 enhanced adipose stem cells loading on alginate gel. <i>Histochemistry and Cell Biology</i> , 2008, 129, 203-210.	1.7	45
105	Orbital floor reconstruction: a retrospective study of 21 cases. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2008, 106, 324-330.	1.4	45
106	Dentin Sialophosphoprotein-Promoted Mineralization and Expression of Odontogenic Genes in Adipose-Derived Stromal Cells. <i>Cells Tissues Organs</i> , 2008, 187, 103-112.	2.3	45
107	Enhanced Neural Regeneration with a Concomitant Treatment of Framework Nucleic Acid and Stem Cells in Spinal Cord Injury. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2095-2106.	8.0	45
108	Antiepileptic Effects of Tetrahedral Framework Nucleic Acid via Inhibition of Gliosis-Induced Downregulation of Glutamine Synthetase and Increased AMPAR Internalization in the Postsynaptic Membrane. <i>Nano Letters</i> , 2022, 22, 2381-2390.	9.1	45

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109	Basic research Cyclic tensile stretch modulates osteogenic differentiation of adipose-derived stem cells via the BMP-2 pathway. Archives of Medical Science, 2010, 2, 152-159.	0.9	44
110	<scp>PCL</scp>â€œ<scp>PEG</scp>â€œ<scp>PCL</scp> film promotes cartilage regeneration in vivo. Cell Proliferation, 2016, 49, 729-739.	5.3	44
111	KDM6A promotes chondrogenic differentiation of periodontal ligament stem cells by demethylation of SOX9. Cell Proliferation, 2018, 51, e12413.	5.3	44
112	Targeted and effective glioblastoma therapy via aptamer-modified tetrahedral framework nucleic acid-paclitaxel nanoconjugates that can pass the blood brain barrier. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102061.	3.3	44
113	Tetrahedral Framework Nucleic Acid-Based Delivery of Resveratrol Alleviates Insulin Resistance: From Innate to Adaptive Immunity. Nano-Micro Letters, 2021, 13, 86.	27.0	44
114	Odontogenic Potential of Bone Marrow Mesenchymal Stem Cells. Journal of Oral and Maxillofacial Surgery, 2007, 65, 494-500.	1.2	43
115	Ectopic adipogenesis of preconditioned adipose-derived stromal cells in an alginate system. Cell and Tissue Research, 2007, 330, 567-572.	2.9	43
116	Effects of low oxygen tension on gene profile of soluble growth factors in coâ€œcultured adiposeâ€œderived stromal cells and chondrocytes. Cell Proliferation, 2016, 49, 341-351.	5.3	43
117	Tetrahedral Framework Nucleic Acid Promotes the Treatment of Bisphosphonate-Related Osteonecrosis of the Jaws by Promoting Angiogenesis and M2 Polarization. ACS Applied Materials & Interfaces, 2020, 12, 44508-44522.	8.0	42
118	Treatment of Alzheimer's disease with framework nucleic acids. Cell Proliferation, 2020, 53, e12787.	5.3	42
119	Identification of osteoâ€œadipo progenitor cells in fat tissue. Cell Proliferation, 2008, 41, 803-812.	5.3	41
120	Serum regulates adipogenesis of mesenchymal stem cells <i>via</i> MEK/ERKâ€œdependent PPARÎ³ expression and phosphorylation. Journal of Cellular and Molecular Medicine, 2010, 14, 922-932.	3.6	41
121	Notch signalling pathway in tooth development and adult dental cells. Cell Proliferation, 2011, 44, 495-507.	5.3	41
122	Multi-targeted Antisense Oligonucleotide Delivery by a Framework Nucleic Acid for Inhibiting Biofilm Formation and Virulence. Nano-Micro Letters, 2020, 12, 74.	27.0	41
123	Tetrahedral Framework Nucleic Acids Induce Immune Tolerance and Prevent the Onset of Type 1 Diabetes. Nano Letters, 2021, 21, 4437-4446.	9.1	41
124	Ectopic and in situ bone formation of adipose tissue-derived stromal cells in biphasic calcium phosphate nanocomposite. Journal of Biomedical Materials Research - Part A, 2007, 81A, 900-910.	4.0	40
125	Curved microstructures promote osteogenesis of mesenchymal stem cells via the RhoA<scp>ROCK</scp> pathway. Cell Proliferation, 2017, 50, .	5.3	40
126	Cognitive Behavioral Therapy for Orthodontic Pain Control. Journal of Dental Research, 2012, 91, 580-585.	5.2	39

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127	DNA methylation is critical for tooth agenesis: implications for sporadic non-syndromic anodontia and hypodontia. <i>Scientific Reports</i> , 2016, 6, 19162.	3.3	39
128	Enhanced Penetrability of a Tetrahedral Framework Nucleic Acid by Modification with iRGD for DOX-Targeted Delivery to Triple-Negative Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25825-25835.	8.0	39
129	Neuroprotective and Neurotherapeutic Effects of Tetrahedral Framework Nucleic Acids on Parkinson's Disease <i>in Vitro</i> . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32787-32797.	8.0	38
130	Tetrahedral Framework Nucleic Acid Inhibits Chondrocyte Apoptosis and Oxidative Stress through Activation of Autophagy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56782-56791.	8.0	38
131	Long-Term Survival of Hamster Hearts in Presensitized Rats. <i>Journal of Immunology</i> , 2000, 164, 4883-4892.	0.8	37
132	Tetrahedral DNA Nanomaterial Regulates the Biological Behaviors of Adipose-Derived Stem Cells via DNA Methylation on Dlg3. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32017-32025.	8.0	37
133	The Clearance Effect of Tetrahedral DNA Nanostructures on Senescent Human Dermal Fibroblasts. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1942-1950.	8.0	37
134	Treating LRRK2-Related Parkinson's Disease by Inhibiting the mTOR Signaling Pathway to Restore Autophagy. <i>Advanced Functional Materials</i> , 2021, 31, 2105152.	14.9	37
135	Efficient side-chain and backbone assignment in large proteins: application to tGCN5. <i>Journal of Biomolecular NMR</i> , 1999, 15, 227-239.	2.8	36
136	Osteogenic Induction of Adipose-Derived Stromal Cells: Not a Requirement for Bone Formation In Vivo. <i>Artificial Organs</i> , 2010, 34, 46-54.	1.9	36
137	The Neuroprotective Effect of MicroRNA-22 Modified Tetrahedral Framework Nucleic Acids on Damaged Retinal Neurons Via TrkB/BDNF Signaling Pathway. <i>Advanced Functional Materials</i> , 2021, 31, 2104141.	14.9	36
138	Jagged1-mediated activation of notch signalling induces adipogenesis of adipose-derived stem cells. <i>Cell Proliferation</i> , 2012, 45, 538-544.	5.3	35
139	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.	8.0	35
140	Multilineage Differentiation of Dental Pulp Stem Cells from Green Fluorescent Protein Transgenic Mice. <i>International Journal of Oral Science</i> , 2010, 2, 21-27.	8.6	34
141	Effects of bone morphogenetic protein 2 gene therapy on new bone formation during mandibular distraction osteogenesis at rapid rate in rabbits. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011, 112, 50-57.	1.4	33
142	Absorption, Pharmacokinetics and Disposition Properties of Solid Lipid Nanoparticles (SLNs). <i>Current Drug Metabolism</i> , 2012, 13, 447-456.	1.2	33
143	Progress in Biomedical Applications of Tetrahedral Framework Nucleic Acid-Based Functional Systems. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47115-47126.	8.0	33
144	Treatment effect of DNA framework nucleic acids on diffuse microvascular endothelial cell injury after subarachnoid hemorrhage. <i>Cell Proliferation</i> , 2022, 55, e13206.	5.3	33

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145	Toxicity of Biodegradable Nanoscale Preparations. <i>Current Drug Metabolism</i> , 2012, 13, 440-446.	1.2	32
146	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.	1.1	32
147	Proliferation and pluripotency potential of ectomesenchymal cells derived from first branchial arch. <i>Cell Proliferation</i> , 2006, 39, 79-92.	5.3	31
148	Sequence analysis of PAX9, MSX1 and AXIN2 genes in a Chinese oligodontia family. <i>Archives of Oral Biology</i> , 2011, 56, 1027-1034.	1.8	31
149	Nanocomplex Based on Biocompatible Phospholipids and Albumin for Long-Circulation Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13730-13737.	8.0	31
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