

# Yun-Feng Lin

## List of Publications by Citations

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272  
papers

9,035  
citations

47  
h-index

78  
g-index

304  
ext. papers

11,126  
ext. citations

8.1  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
272	Identifying autism loci and genes by tracing recent shared ancestry. <i>Science</i> , <b>2008</b> , 321, 218-23	33.3	578
271	Nanomaterials and bone regeneration. <i>Bone Research</i> , <b>2015</b> , 3, 15029	13.3	321
270	Preformed albumin corona, a protective coating for nanoparticles based drug delivery system. <i>Biomaterials</i> , <b>2013</b> , 34, 8521-30	15.6	229
269	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> , <b>2004</b> , 101, 2357-62	11.5	190
268	Engineered vascularized bone grafts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 3311-6	11.5	187
267	The Effect of shape on Cellular Uptake of Gold Nanoparticles in the forms of Stars, Rods, and Triangles. <i>Scientific Reports</i> , <b>2017</b> , 7, 3827	4.9	181
266	Odontogenic tumours: a retrospective study of 1642 cases in a Chinese population. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2007</b> , 36, 20-5	2.9	156
265	Aptamer-Modified Tetrahedral DNA Nanostructure for Tumor-Targeted Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 36695-36701	9.5	118
264	Molecular and cellular characterization during chondrogenic differentiation of adipose tissue-derived stromal cells in vitro and cartilage formation in vivo. <i>Journal of Cellular and Molecular Medicine</i> , <b>2005</b> , 9, 929-39	5.6	115
263	The Pex16p homolog SSE1 and storage organelle formation in Arabidopsis seeds. <i>Science</i> , <b>1999</b> , 284, 328-30	33.3	105
262	Independent effect of polymeric nanoparticle zeta potential/surface charge, on their cytotoxicity and affinity to cells. <i>Cell Proliferation</i> , <b>2015</b> , 48, 465-74	7.9	97
261	The fabrication of biomimetic biphasic CAN-PAC hydrogel with a seamless interfacial layer applied in osteochondral defect repair. <i>Bone Research</i> , <b>2017</b> , 5, 17018	13.3	96
260	Doxorubicin-loaded environmentally friendly carbon dots as a novel drug delivery system for nucleus targeted cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 159, 349-359	6	94
259	An Intelligent DNA Nanorobot with Enhanced Protein Lysosomal Degradation of HER2. <i>Nano Letters</i> , <b>2019</b> , 19, 4505-4517	11.5	91
258	Clicking DNA to gold nanoparticles: poly-adenine-mediated formation of monovalent DNA-gold nanoparticle conjugates with nearly quantitative yield. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e159-e159	10.3	91
257	Solution structure of the catalytic domain of GCN5 histone acetyltransferase bound to coenzyme A. <i>Nature</i> , <b>1999</b> , 400, 86-9	50.4	91
256	Overcoming drug-resistant lung cancer by paclitaxel loaded tetrahedral DNA nanostructures. <i>Nanoscale</i> , <b>2018</b> , 10, 5457-5465	7.7	88

255	Anti-inflammatory and Antioxidative Effects of Tetrahedral DNA Nanostructures via the Modulation of Macrophage Responses. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3421-3430	9.5	88
254	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> , <b>2013</b> , 228, 938-44	7	86
253	Insight into the Interaction of Graphene Oxide with Serum Proteins and the Impact of the Degree of Reduction and Concentration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13367-74	9.5	83
252	Inhibiting Methicillin-Resistant Staphylococcus aureus by Tetrahedral DNA Nanostructure-Enabled Antisense Peptide Nucleic Acid Delivery. <i>Nano Letters</i> , <b>2018</b> , 18, 5652-5659	11.5	82
251	Snail and Slug collaborate on EMT and tumor metastasis through miR-101-mediated EZH2 axis in oral tongue squamous cell carcinoma. <i>Oncotarget</i> , <b>2015</b> , 6, 6797-810	3.3	80
250	Cover Image, Volume 51, Issue 1. <i>Cell Proliferation</i> , <b>2018</b> , 51, e12439	7.9	78
249	Design, fabrication and applications of tetrahedral DNA nanostructure-based multifunctional complexes in drug delivery and biomedical treatment. <i>Nature Protocols</i> , <b>2020</b> , 15, 2728-2757	18.8	78
248	Adipose stem cells originate from perivascular cells. <i>Biology of the Cell</i> , <b>2011</b> , 103, 435-47	3.5	76
247	Electrospun Poly(3-hydroxybutyrate-co-4-hydroxybutyrate)/Graphene Oxide Scaffold: Enhanced Properties and Promoted in Vivo Bone Repair in Rats. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42589-42600	9.5	74
246	Advances in biological applications of self-assembled DNA tetrahedral nanostructures. <i>Materials Today</i> , <b>2019</b> , 24, 57-68	21.8	72
245	Peroxisome Proliferator-Activated Receptor- $\gamma$ Master Regulator of Adipogenesis and Obesity. <i>Current Stem Cell Research and Therapy</i> , <b>2016</b> , 11, 282-9	3.6	68
244	Multilineage differentiation of adipose-derived stromal cells from GFP transgenic mice. <i>Molecular and Cellular Biochemistry</i> , <b>2006</b> , 285, 69-78	4.2	67
243	Self-Assembled Tetrahedral DNA Nanostructures Promote Neural Stem Cell Proliferation and Neuronal Differentiation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7892-7900	9.5	65
242	Self-Assembled Tetrahedral DNA Nanostructures Promote Adipose-Derived Stem Cell Migration via lncRNA XLOC 010623 and RHOA/ROCK2 Signal Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19353-63	9.5	62
241	Tetrahedral DNA Nanostructure: A Potential Promoter for Cartilage Tissue Regeneration via Regulating Chondrocyte Phenotype and Proliferation. <i>Small</i> , <b>2017</b> , 13, 1602770	11	58
240	DNA-based plasmonic nanostructures. <i>Materials Today</i> , <b>2015</b> , 18, 326-335	21.8	57
239	Osteogenesis of Adipose-Derived Stem Cells. <i>Bone Research</i> , <b>2013</b> , 1, 133-45	13.3	56
238	Bone marrow derived pluripotent cells are pericytes which contribute to vascularization. <i>Stem Cell Reviews and Reports</i> , <b>2009</b> , 5, 437-45	6.4	56

237	Softening Substrates Promote Chondrocytes Phenotype via RhoA/ROCK Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 22884-91	9.5	55
236	Crosstalk between adipose-derived stem cells and chondrocytes: when growth factors matter. <i>Bone Research</i> , <b>2016</b> , 4, 15036	13.3	55
235	Pluripotency potential of human adipose-derived stem cells marked with exogenous green fluorescent protein. <i>Molecular and Cellular Biochemistry</i> , <b>2006</b> , 291, 1-10	4.2	53
234	Bioengineered periodontal tissue formed on titanium dental implants. <i>Journal of Dental Research</i> , <b>2011</b> , 90, 251-6	8.1	51
233	Osteogenic differentiation of adipose derived stem cells promoted by overexpression of osterix. <i>Molecular and Cellular Biochemistry</i> , <b>2007</b> , 301, 83-92	4.2	51
232	Tetrahedral DNA Nanostructure-Delivered DNAzyme for Gene Silencing to Suppress Cell Growth. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 6850-6857	9.5	50
231	Modulation of chondrocyte motility by tetrahedral DNA nanostructures. <i>Cell Proliferation</i> , <b>2017</b> , 50,	7.9	50
230	Effect of matrix stiffness on osteoblast functionalization. <i>Cell Proliferation</i> , <b>2017</b> , 50,	7.9	49
229	DNA-Based Nanomedicine with Targeting and Enhancement of Therapeutic Efficacy of Breast Cancer Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 15354-15365	9.5	49
228	Enhanced biostability of nanoparticle-based drug delivery systems by albumin corona. <i>Nanomedicine</i> , <b>2015</b> , 10, 205-14	5.6	49
227	Tetrahedral Framework Nucleic Acids Deliver Antimicrobial Peptides with Improved Effects and Less Susceptibility to Bacterial Degradation. <i>Nano Letters</i> , <b>2020</b> , 20, 3602-3610	11.5	49
226	Nanomaterials for Craniofacial and Dental Tissue Engineering. <i>Journal of Dental Research</i> , <b>2017</b> , 96, 725-832		47
225	Synthesis of an ethyleneimine/tetrahedral DNA nanostructure complex and its potential application as a multi-functional delivery vehicle. <i>Nanoscale</i> , <b>2017</b> , 9, 18402-18412	7.7	47
224	Combination of bone tissue engineering and BMP-2 gene transfection promotes bone healing in osteoporotic rats. <i>Cell Biology International</i> , <b>2008</b> , 32, 1150-7	4.5	47
223	Effects of tetrahedral DNA nanostructures on autophagy in chondrocytes. <i>Chemical Communications</i> , <b>2018</b> , 54, 1327-1330	5.8	46
222	Neuroprotective Effect of Tetrahedral DNA Nanostructures in a Cell Model of Alzheimer's Disease. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23682-23692	9.5	46
221	Osteogenic differentiation of adipose-derived stem cells promoted by quercetin. <i>Cell Proliferation</i> , <b>2014</b> , 47, 124-32	7.9	46
220	Anti-inflammatory activity of curcumin-loaded tetrahedral framework nucleic acids on acute gouty arthritis. <i>Bioactive Materials</i> , <b>2022</b> , 8, 368-380	16.7	46

219	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> , <b>2018</b> , 14, 1227-1236	6	45
218	Ectopic osteogenesis and chondrogenesis of bone marrow stromal stem cells in alginate system. <i>Cell Biology International</i> , <b>2007</b> , 31, 776-83	4.5	45
217	The JAK/STAT3 signalling pathway regulated angiogenesis in an endothelial cell/adipose-derived stromal cell co-culture, 3D gel model. <i>Cell Proliferation</i> , <b>2017</b> , 50,	7.9	44
216	gamma-secretase inhibitor induces adipogenesis of adipose-derived stem cells by regulation of Notch and PPAR-gamma. <i>Cell Proliferation</i> , <b>2010</b> , 43, 147-56	7.9	44
215	Electrospun fibers for dental and craniofacial applications. <i>Current Stem Cell Research and Therapy</i> , <b>2014</b> , 9, 187-95	3.6	44
214	Fabrication of Calcium Phosphate Microflowers and Their Extended Application in Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30437-30447	9.5	43
213	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> , <b>2009</b> , 67, 552-8	1.8	43
212	Understanding the Biomedical Effects of the Self-Assembled Tetrahedral DNA Nanostructure on Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12733-9	9.5	43
211	Mechanical stretch inhibits adipogenesis and stimulates osteogenesis of adipose stem cells. <i>Cell Proliferation</i> , <b>2012</b> , 45, 158-66	7.9	42
210	Cyclic tensile stretch modulates osteogenic differentiation of adipose-derived stem cells via the BMP-2 pathway. <i>Archives of Medical Science</i> , <b>2010</b> , 6, 152-9	2.9	42
209	The endothelial-mesenchymal transition (EndMT) and tissue regeneration. <i>Current Stem Cell Research and Therapy</i> , <b>2014</b> , 9, 196-204	3.6	41
208	Enhanced Efficacy of Temozolomide Loaded by a Tetrahedral Framework DNA Nanoparticle in the Therapy for Glioblastoma. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39525-39533	9.5	40
207	Angiogenesis in a 3D model containing adipose tissue stem cells and endothelial cells is mediated by canonical Wnt signaling. <i>Bone Research</i> , <b>2017</b> , 5, 17048	13.3	40
206	Individual design and rapid prototyping in reconstruction of orbital wall defects. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2010</b> , 68, 562-70	1.8	40
205	Identification of osteo-adipo progenitor cells in fat tissue. <i>Cell Proliferation</i> , <b>2008</b> , 41, 803-12	7.9	40
204	Polymeric nanoparticles for a drug delivery system. <i>Current Drug Metabolism</i> , <b>2013</b> , 14, 840-6	3.5	40
203	Tetrahedral framework nucleic acids promote scarless healing of cutaneous wounds via the AKT-signaling pathway. <i>Signal Transduction and Targeted Therapy</i> , <b>2020</b> , 5, 120	21	40
202	Effect of tetrahedral DNA nanostructures on osteogenic differentiation of mesenchymal stem cells via activation of the Wnt/ $\beta$ -catenin signaling pathway. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 1809-1819	6	38

201	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> , <b>2017</b> , 50,	7.9	38
200	Dentin sialophosphoprotein-promoted mineralization and expression of odontogenic genes in adipose-derived stromal cells. <i>Cells Tissues Organs</i> , <b>2008</b> , 187, 103-12	2.1	38
199	Odontogenic potential of bone marrow mesenchymal stem cells. <i>Journal of Oral and Maxillofacial Surgery</i> , <b>2007</b> , 65, 494-500	1.8	38
198	Ectopic adipogenesis of preconditioned adipose-derived stromal cells in an alginate system. <i>Cell and Tissue Research</i> , <b>2007</b> , 330, 567-72	4.2	38
197	Bone regeneration by BMP-2 enhanced adipose stem cells loading on alginate gel. <i>Histochemistry and Cell Biology</i> , <b>2008</b> , 129, 203-10	2.4	38
196	Effects of low oxygen tension on gene profile of soluble growth factors in co-cultured adipose-derived stromal cells and chondrocytes. <i>Cell Proliferation</i> , <b>2016</b> , 49, 341-51	7.9	37
195	Tetrahedral DNA nanostructures facilitate neural stem cell migration via activating RHOA/ROCK2 signalling pathway. <i>Cell Proliferation</i> , <b>2018</b> , 51, e12503	7.9	37
194	Ectopic and in situ bone formation of adipose tissue-derived stromal cells in biphasic calcium phosphate nanocomposite. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 81, 900-10	5.4	37
193	A Framework Nucleic Acid Based Robotic Nanobee for Active Targeting Therapy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007342	15.6	37
192	Effects of Micro-environmental pH of Liposome on Chemical Stability of Loaded Drug. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 504	5	36
191	Regulating osteogenesis and adipogenesis in adipose-derived stem cells by controlling underlying substrate stiffness. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 3418-3428	7	36
190	PCL-PEG-PCL film promotes cartilage regeneration in vivo. <i>Cell Proliferation</i> , <b>2016</b> , 49, 729-739	7.9	36
189	Orbital floor reconstruction: a retrospective study of 21 cases. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , <b>2008</b> , 106, 324-30		36
188	Effects of tetrahedral framework nucleic acid/wogonin complexes on osteoarthritis. <i>Bone Research</i> , <b>2020</b> , 8, 6	13.3	35
187	Injectable and thermosensitive TGF- $\beta$ 1-loaded PCEC hydrogel system for in vivo cartilage repair. <i>Scientific Reports</i> , <b>2017</b> , 7, 10553	4.9	35
186	Tetrahedral DNA Nanostructure Promotes Endothelial Cell Proliferation, Migration, and Angiogenesis via Notch Signaling Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 37911-37918	9.5	35
185	Serum regulates adipogenesis of mesenchymal stem cells via MEK/ERK-dependent PPARgamma expression and phosphorylation. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 922-32	5.6	34
184	Aptamer-targeted DNA nanostructures with doxorubicin to treat protein tyrosine kinase 7-positive tumours. <i>Cell Proliferation</i> , <b>2019</b> , 52, e12511	7.9	34

183	Anterior Cruciate Ligament Transection-Induced Cellular and Extracellular Events in Menisci: Implications for Osteoarthritis. <i>American Journal of Sports Medicine</i> , <b>2018</b> , 46, 1185-1198	6.8	33
182	Long-term survival of hamster hearts in presensitized rats. <i>Journal of Immunology</i> , <b>2000</b> , 164, 4883-92	5.3	33
181	Efficient side-chain and backbone assignment in large proteins: application to tGCN5. <i>Journal of Biomolecular NMR</i> , <b>1999</b> , 15, 227-39	3	33
180	Nucleic acids and analogs for bone regeneration. <i>Bone Research</i> , <b>2018</b> , 6, 37	13.3	33
179	Cognitive behavioral therapy for orthodontic pain control: a randomized trial. <i>Journal of Dental Research</i> , <b>2012</b> , 91, 580-5	8.1	32
178	Jagged-1-mediated activation of notch signalling induces adipogenesis of adipose-derived stem cells. <i>Cell Proliferation</i> , <b>2012</b> , 45, 538-44	7.9	32
177	Notch signalling pathway in tooth development and adult dental cells. <i>Cell Proliferation</i> , <b>2011</b> , 44, 495-507	7.9	32
176	Tetrahedral framework nucleic acids prevent retina ischemia-reperfusion injury from oxidative stress via activating the Akt/Nrf2 pathway. <i>Nanoscale</i> , <b>2019</b> , 11, 20667-20675	7.7	32
175	Substrate stiffness regulated migration and angiogenesis potential of A549 cells and HUVECs. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 3407-3417	7	31
174	Osteogenic induction of adipose-derived stromal cells: not a requirement for bone formation in vivo. <i>Artificial Organs</i> , <b>2010</b> , 34, 46-54	2.6	31
173	Vascularization in Craniofacial Bone Tissue Engineering. <i>Journal of Dental Research</i> , <b>2018</b> , 97, 969-976	8.1	30
172	Engineering DNA-Nanozyme Interfaces for Rapid Detection of Dental Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 30640-30647	9.5	30
171	The protective effect of tetrahedral framework nucleic acids on periodontium under inflammatory conditions. <i>Bioactive Materials</i> , <b>2021</b> , 6, 1676-1688	16.7	30
170	Tetrahedral DNA Nanomaterial Regulates the Biological Behaviors of Adipose-Derived Stem Cells via DNA Methylation on Dlg3. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 32017-32025	9.5	30
169	Erythromycin loaded by tetrahedral framework nucleic acids are more antimicrobial sensitive against. <i>Bioactive Materials</i> , <b>2021</b> , 6, 2281-2290	16.7	30
168	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> , <b>2017</b> , 24, 374-380	6	29
167	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> , <b>2015</b> , 11, 105-16	4	29
166	Multilineage differentiation of dental pulp stem cells from green fluorescent protein transgenic mice. <i>International Journal of Oral Science</i> , <b>2010</b> , 2, 21-7	27.9	29



165	Proliferation and pluripotency potential of ectomesenchymal cells derived from first branchial arch. <i>Cell Proliferation</i> , <b>2006</b> , 39, 79-92	7.9	29
164	Biomimetic Nanoerythroosome-Coated Aptamer-DNA Tetrahedron/Maytansine Conjugates: pH-Responsive and Targeted Cytotoxicity for HER2-positive Breast Cancer.. <i>Advanced Materials</i> , <b>2022</b> , e2109609	24	29
163	Enhanced Neural Regeneration with a Concomitant Treatment of Framework Nucleic Acid and Stem Cells in Spinal Cord Injury. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 2095-2106	9.5	29
162	Nanocomplex based on biocompatible phospholipids and albumin for long-circulation applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13730-7	9.5	28
161	Curved microstructures promote osteogenesis of mesenchymal stem cells via the RhoA/ROCK pathway. <i>Cell Proliferation</i> , <b>2017</b> , 50,	7.9	28
160	Toxicity of biodegradable nanoscale preparations. <i>Current Drug Metabolism</i> , <b>2012</b> , 13, 440-6	3.5	28
159	The Clearance Effect of Tetrahedral DNA Nanostructures on Senescent Human Dermal Fibroblasts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1942-1950	9.5	28
158	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> , <b>2011</b> , 112, 50-7		27
157	Sequence analysis of PAX9, MSX1 and AXIN2 genes in a Chinese oligodontia family. <i>Archives of Oral Biology</i> , <b>2011</b> , 56, 1027-34	2.8	27
156	Functionalizing Framework Nucleic Acid-Based Nanostructures for Biomedical Application. <i>Advanced Materials</i> , <b>2021</b> , e2107820	24	27
155	Tetrahedral Framework Nucleic Acids Promote Corneal Epithelial Wound Healing in Vitro and in Vivo. <i>Small</i> , <b>2019</b> , 15, e1901907	11	26
154	KDM6A promotes chondrogenic differentiation of periodontal ligament stem cells by demethylation of SOX9. <i>Cell Proliferation</i> , <b>2018</b> , 51, e12413	7.9	26
153	Structural basis for the functional switch of the E. coli Ada protein. <i>Biochemistry</i> , <b>2001</b> , 40, 4261-71	3.2	26
152	Therapeutic siCCR2 Loaded by Tetrahedral Framework DNA Nanorobotics in Therapy for Intracranial Hemorrhage. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101435	15.6	26
151	Multi-targeted Antisense Oligonucleotide Delivery by a Framework Nucleic Acid for Inhibiting Biofilm Formation and Virulence. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 74	19.5	25
150	DNA methylation is critical for tooth agenesis: implications for sporadic non-syndromic anodontia and hypodontia. <i>Scientific Reports</i> , <b>2016</b> , 6, 19162	4.9	25
149	Tetrahedral framework nucleic acids act as antioxidants in acute kidney injury treatment. <i>Chemical Engineering Journal</i> , <b>2021</b> , 413, 127426	14.7	25
148	Neuroprotective and Neurotherapeutic Effects of Tetrahedral Framework Nucleic Acids on Parkinson's Disease. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32787-32797	9.5	24



147	PEGylated Protamine-Based Adsorbing Improves the Biological Properties and Stability of Tetrahedral Framework Nucleic Acids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27588-27597	9.5	24
146	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> , <b>2019</b> , 21, 102061	6	24
145	Substrate stiffness regulates arterial-venous differentiation of endothelial progenitor cells via the Ras/Mek pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 1799-1808	4.9	24
144	Absorption, pharmacokinetics and disposition properties of solid lipid nanoparticles (SLNs). <i>Current Drug Metabolism</i> , <b>2012</b> , 13, 447-56	3.5	24
143	Expression of exogenous or endogenous green fluorescent protein in adipose tissue-derived stromal cells during chondrogenic differentiation. <i>Molecular and Cellular Biochemistry</i> , <b>2005</b> , 277, 181-90	4.2	24
142	Tea Polyphenol-Functionalized Graphene/Chitosan as an Experimental Platform with Improved Mechanical Behavior and Bioactivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20893-901	9.5	23
141	The biological applications of DNA nanomaterials: current challenges and future directions. <i>Signal Transduction and Targeted Therapy</i> , <b>2021</b> , 6, 351	21	23
140	Bioswitchable Delivery of microRNA by Framework Nucleic Acids: Application to Bone Regeneration. <i>Small</i> , <b>2021</b> , 17, e2104359	11	23
139	Tetrahedral Framework Nucleic Acid-Based Delivery of Resveratrol Alleviates Insulin Resistance: From Innate to Adaptive Immunity. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 86	19.5	23
138	Adipogenic differentiation potential of adipose-derived mesenchymal stem cells from ovariectomized mice. <i>Cell Proliferation</i> , <b>2014</b> , 47, 604-14	7.9	22
137	Uniaxial cyclic tensile stretch inhibits osteogenic and odontogenic differentiation of human dental pulp stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2011</b> , 5, 347-53	4.4	22
136	Tetrahedral framework nucleic acids-based delivery of microRNA-155 inhibits choroidal neovascularization by regulating the polarization of macrophages.. <i>Bioactive Materials</i> , <b>2022</b> , 14, 134-144	16.7	22
135	Treatment of Alzheimer's disease with framework nucleic acids. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12787	7.9	21
134	Notch Signaling Pathway Regulates Angiogenesis via Endothelial Cell in 3D Co-Culture Model. <i>Journal of Cellular Physiology</i> , <b>2017</b> , 232, 1548-1558	7	21
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