

# Dexuan Xiao

## List of Publications by Year in descending order

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29  
papers

955  
citations

516710

16  
h-index

477307

29  
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30  
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30  
docs citations

30  
times ranked

401  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A Framework Nucleic Acid Based Robotic Nanobee for Active Targeting Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2007342.	14.9	65
4	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
5	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.	5.6	56
6	Tetrahedral Framework Nucleic Acids Loaded with Aptamer AS1411 for siRNA Delivery and Gene Silencing in Malignant Melanoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 6109-6118.	8.0	52
7	Cardioprotection of Tetrahedral DNA Nanostructures in Myocardial Ischemia-Reperfusion Injury. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30631-30639.	8.0	50
8	Tetrahedral Framework Nucleic Acid-Based Delivery of Resveratrol Alleviates Insulin Resistance: From Innate to Adaptive Immunity. <i>Nano-Micro Letters</i> , 2021, 13, 86.	27.0	44
9	Tetrahedral Framework Nucleic Acids Induce Immune Tolerance and Prevent the Onset of Type 1 Diabetes. <i>Nano Letters</i> , 2021, 21, 4437-4446.	9.1	41
10	Neuroprotective and Neurotherapeutic Effects of Tetrahedral Framework Nucleic Acids on Parkinson's Disease in Vitro. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32787-32797.	8.0	38
11	Tetrahedral Framework Nucleic Acid Inhibits Chondrocyte Apoptosis and Oxidative Stress through Activation of Autophagy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 56782-56791.	8.0	38
12	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
13	Tetrahedral Framework Nucleic Acids Ameliorate Insulin Resistance in Type 2 Diabetes Mellitus via the PI3K/Akt Pathway. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40354-40364.	8.0	30
14	Biological Effect of Differently Sized Tetrahedral Framework Nucleic Acids: Endocytosis, Proliferation, Migration, and Biodistribution. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57067-57074.	8.0	25
15	Angiogenic Aptamer-Modified Tetrahedral Framework Nucleic Acid Promotes Angiogenesis In Vitro and In Vivo. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 29439-29449.	8.0	21
16	Aptamer-mediated synthesis of multifunctional nano-hydroxyapatite for active tumour bioimaging and treatment. <i>Cell Proliferation</i> , 2021, 54, e13105.	5.3	21
17	Tetrahedral framework nucleic acid carrying angiogenic peptide prevents bisphosphonate-related osteonecrosis of the jaw by promoting angiogenesis. <i>International Journal of Oral Science</i> , 2022, 14, 23.	8.6	19
18	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.	5.5	16

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19	Hyaluronan-directed fabrication of co-doped hydroxyapatite as a dual-modal probe for tumor-specific bioimaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2107-2114.	5.8	15
20	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.	5.3	14
21	Tetrahedral Framework Nucleic Acids Reestablish Immune Tolerance and Restore Saliva Secretion in a Sjögren's Syndrome Mouse Model. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42543-42553.	8.0	13
22	Tetrahedral framework nucleic acids facilitate neurorestoration of facial nerves by activating the NGF/PI3K/AKT pathway. <i>Nanoscale</i> , 2021, 13, 15598-15610.	5.6	13
23	Preventive effect of tetrahedral framework nucleic acids on bisphosphonate-related osteonecrosis of the jaw. <i>Nanoscale</i> , 2020, 12, 17196-17202.	5.6	12
24	Synthesis and Antitumor Application of Antiangiogenic Gold Nanoclusters. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11708-11720.	8.0	11
25	Nanomaterials-based Cell Osteogenic Differentiation and Bone Regeneration. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 36-47.	1.3	9
26	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.	5.9	7
27	Advances in the Application of Liposomal Nanosystems in Anticancer Therapy. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 14-22.	1.3	5
28	Tetrahedral Framework Nucleic Acids Reverse New-Onset Type 1 Diabetes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50802-50811.	8.0	5
29	Review of craniofacial regeneration in China. <i>Journal of Oral Rehabilitation</i> , 2020, 47, 107-117.	3.0	0