

# Tao Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2694207/publications.pdf>

Version: 2024-02-01

24  
papers

1,374  
citations

471509

17  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalizing Framework Nucleic Acid-Based Nanostructures for Biomedical Application. <i>Advanced Materials</i> , 2022, 34, e2107820.	21.0	148
2	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
3	Intensification of isobutane/1-butene alkylation process in a micromixing microreactor catalyzed by ILs/H <sub>2</sub> SO <sub>4</sub> . <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 174, 108865.	3.6	8
4	Reaction Performance and Flow Behavior of Isobutane/1-Butene and H <sub>2</sub> SO <sub>4</sub> in the Microreactor Configured with the Micro-mixer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 9122-9135.	3.7	4
5	Simulation of the hydrodynamics and mass transfer in a falling film wavy microchannel. <i>Chinese Journal of Chemical Engineering</i> , 2021, 34, 97-105.	3.5	10
6	Therapeutic siCCR2 Loaded by Tetrahedral Framework DNA Nanorobotics in Therapy for Intracranial Hemorrhage. <i>Advanced Functional Materials</i> , 2021, 31, 2101435.	14.9	46
7	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
8	Flow Behavior in a Counter-Current Mini-Channel Extractor. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 18490-18500.	3.7	3
9	Progress in Biomedical Applications of Tetrahedral Framework Nucleic Acid-Based Functional Systems. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47115-47126.	8.0	33
10	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
11	Mass transfer and droplet formation regime in a countercurrent mini-channel extractor. <i>Chemical Engineering Journal</i> , 2020, 402, 125383.	12.7	12
12	Simulation and design microreactor configured with micromixers to intensify the isobutane/1-butene alkylation process. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 98, 53-62.	5.3	23
13	Advances in biological applications of self-assembled DNA tetrahedral nanostructures. <i>Materials Today</i> , 2019, 24, 57-68.	14.2	114
14	PEGylated Protamine-Based Adsorbing Improves the Biological Properties and Stability of Tetrahedral Framework Nucleic Acids. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27588-27597.	8.0	35
15	Enhanced Efficacy of Temozolomide Loaded by a Tetrahedral Framework DNA Nanoparticle in the Therapy for Glioblastoma. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 39525-39533.	8.0	67
16	Investigation of the liquid film thickness in an open-channel falling film micro-reactor by a stereo digital microscopy. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 98, 27-36.	5.3	12
17	Intensification of the liquid side mass transfer in double-side falling film microchannels by micro-mixing structures. <i>Chemical Engineering Science</i> , 2019, 193, 264-275.	3.8	20
18	Effects of tetrahedral DNA nanostructures on autophagy in chondrocytes. <i>Chemical Communications</i> , 2018, 54, 1327-1330.	4.1	62

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19	Anti-inflammatory and Antioxidative Effects of Tetrahedral DNA Nanostructures via the Modulation of Macrophage Responses. ACS Applied Materials & Interfaces, 2018, 10, 3421-3430.	8.0	121
20	Tetrahedral DNA Nanomaterial Regulates the Biological Behaviors of Adipose-Derived Stem Cells via DNA Methylation on Dlg3. ACS Applied Materials & Interfaces, 2018, 10, 32017-32025.	8.0	37
21	Neuroprotective Effect of Tetrahedral DNA Nanostructures in a Cell Model of Alzheimer's Disease. ACS Applied Materials & Interfaces, 2018, 10, 23682-23692.	8.0	56
22	Tetrahedral DNA Nanostructure: A Potential Promoter for Cartilage Tissue Regeneration via Regulating Chondrocyte Phenotype and Proliferation. Small, 2017, 13, 1602770.	10.0	83
23	Synthesis of an ethyleneimine/tetrahedral DNA nanostructure complex and its potential application as a multi-functional delivery vehicle. Nanoscale, 2017, 9, 18402-18412.	5.6	62
24	Surface Tension and Viscosity of Ternary Mixtures of N-Methyldiethanolamine + Sulfolane + Water. Journal of Chemical & Engineering Data, 0, , .	1.9	0