Xuyu Tan

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2499290/publications.pdf

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24 papers	1,137 citations	430874 18 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1400 citing authors

#	Article	IF	Citations
1	Light-Triggered, Self-Immolative Nucleic Acid-Drug Nanostructures. Journal of the American Chemical Society, 2015, 137, 6112-6115.	13.7	179
2	Blurring the Role of Oligonucleotides: Spherical Nucleic Acids as a Drug Delivery Vehicle. Journal of the American Chemical Society, 2016, 138, 10834-10837.	13.7	154
3	Molecular spherical nucleic acids. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4340-4344.	7.1	130
4	Providing Oligonucleotides with Steric Selectivity by Brush-Polymer-Assisted Compaction. Journal of the American Chemical Society, 2015, 137, 12466-12469.	13.7	81
5	Nucleic acid-based drug delivery strategies. Journal of Controlled Release, 2020, 323, 240-252.	9.9	66
6	Effective Antisense Gene Regulation via Noncationic, Polyethylene Glycol Brushes. Journal of the American Chemical Society, 2016, 138, 9097-9100.	13.7	58
7	Polycondensation of Polymer Brushes via DNA Hybridization. Journal of the American Chemical Society, 2014, 136, 10214-10217.	13.7	57
8	Bottlebrush-architectured poly(ethylene glycol) as an efficient vector for RNA interference in vivo. Science Advances, 2019, 5, eaav9322.	10.3	50
9	Effect of PEG Architecture on the Hybridization Thermodynamics and Protein Accessibility of PEGylated Oligonucleotides. Angewandte Chemie - International Edition, 2017, 56, 1239-1243.	13.8	44
10	Depth-Profiling the Nuclease Stability and the Gene Silencing Efficacy of Brush-Architectured Poly(ethylene glycol)â€“DNA Conjugates. Journal of the American Chemical Society, 2017, 139, 10605-10608.	13.7	44
11	Self-immolative polymers in biomedicine. Journal of Materials Chemistry B, 2020, 8, 6697-6709.	5.8	35
12	Facile synthesis of nucleic acidâ€“polymer amphiphiles and their self-assembly. Chemical Communications, 2015, 51, 7843-7846.	4.1	34
13	Precision Tuning of DNA- and Poly(ethylene glycol)-Based Nanoparticles via Coassembly for Effective Antisense Gene Regulation. Chemistry of Materials, 2017, 29, 9882-9886.	6.7	34
14	Modulating the Depolymerization of Self-Immolative Brush Polymers with Poly(benzyl ether) Backbones. Macromolecules, 2018, 51, 2899-2905.	4.8	31
15	Modulating the Cellular Immune Response of Oligonucleotides by Brush Polymerâ€Assisted Compaction. Small, 2017, 13, 1701432.	10.0	26
16	Expanding the Materials Space of DNA via Organic-Phase Ring-Opening Metathesis Polymerization. CheM, 2019, 5, 1584-1596.	11.7	25
17	Spherical Nucleic Acids for Topical Treatment of Hyperpigmentation. Journal of the American Chemical Society, 2021, 143, 1296-1300.	13.7	24
18	Self-Assembled DNAâ€“PEG Bottlebrushes Enhance Antisense Activity and Pharmacokinetics of Oligonucleotides. ACS Applied Materials & Interfaces, 2020, 12, 45830-45837.	8.0	20

#	Article	IF	Citations
19	Effect of PEG Architecture on the Hybridization Thermodynamics and Protein Accessibility of PEGylated Oligonucleotides. Angewandte Chemie, 2017, 129, 1259-1263.	2.0	15
20	Improving the Enzymatic Stability and the Pharmacokinetics of Oligonucleotides via DNA-Backboned Bottlebrush Polymers. Nano Letters, 2018, 18, 7378-7382.	9.1	15
21	Bottlebrush Polymer-Conjugated Melittin Exhibits Enhanced Antitumor Activity and Better Safety Profile. ACS Applied Materials & Interfaces, 2021, 13, 42533-42542.	8.0	8
22	Rapid de novo discovery of peptidomimetic affinity reagents for human angiotensin converting enzyme 2. Communications Chemistry, 2022, 5, .	4.5	7
23	Photolabile Self-Immolative DNA-Drug Nanostructures. Methods in Molecular Biology, 2017, 1570, 209-221.	0.9	0
24	Exploring the Structural Diversity of DNA Bottlebrush Polymers Using an Oligonucleotide Macromonomer Approach. Macromolecules, 2022, 55, 2235-2242.	4.8	0