

Pengfei Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3892219/publications.pdf>

Version: 2024-02-01

42
papers

2,212
citations

361296

20
h-index

265120

42
g-index

44
all docs

44
docs citations

44
times ranked

2452
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable self-assembly of three-dimensional nanostructures from 10,000 unique components. <i>Nature</i> , 2017, 552, 72-77.	13.7	335
2	The Beauty and Utility of DNA Origami. <i>CheM</i> , 2017, 2, 359-382.	5.8	269
3	Visualization of the Cellular Uptake and Trafficking of DNA Origami Nanostructures in Cancer Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 2478-2484.	6.6	194
4	Programming Self-Assembly of DNA Origami Honeycomb Two-Dimensional Lattices and Plasmonic Metamaterials. <i>Journal of the American Chemical Society</i> , 2016, 138, 7733-7740.	6.6	172
5	Plasmonic Toroidal Metamolecules Assembled by DNA Origami. <i>Journal of the American Chemical Society</i> , 2016, 138, 5495-5498.	6.6	165
6	Reconfiguration of DNA molecular arrays driven by information relay. <i>Science</i> , 2017, 357, .	6.0	160
7	Reconfigurable Three-Dimensional Gold Nanorod Plasmonic Nanostructures Organized on DNA Origami Tripod. <i>ACS Nano</i> , 2017, 11, 1172-1179.	7.3	129
8	Systemic Delivery of Bc12-Targeting siRNA by DNA Nanoparticles Suppresses Cancer Cell Growth. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16023-16027.	7.2	105
9	Dynamic DNA Structures. <i>Small</i> , 2019, 15, e1900228.	5.2	76
10	RNA-DNA hybrid origami: folding of a long RNA single strand into complex nanostructures using short DNA helper strands. <i>Chemical Communications</i> , 2013, 49, 5462.	2.2	60
11	DNA Nanotechnology-Based Biosensors and Therapeutics. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002205.	3.9	51
12	Retrosynthetic Analysis-Guided Breaking Tile Symmetry for the Assembly of Complex DNA Nanostructures. <i>Journal of the American Chemical Society</i> , 2016, 138, 13579-13585.	6.6	49
13	Magnetic Plasmon Networks Programmed by Molecular Self-Assembly. <i>Advanced Materials</i> , 2019, 31, e1901364.	11.1	47
14	DNA Origami Guided Self-Assembly of Plasmonic Polymers with Robust Long-Range Plasmonic Resonance. <i>Nano Letters</i> , 2020, 20, 8926-8932.	4.5	47
15	Design and operation of reconfigurable two-dimensional DNA molecular arrays. <i>Nature Protocols</i> , 2018, 13, 2312-2329.	5.5	30
16	Hierarchical Fabrication of DNA Wireframe Nanoarchitectures for Efficient Cancer Imaging and Targeted Therapy. <i>ACS Nano</i> , 2020, 14, 17365-17375.	7.3	30
17	Programming Surface-Enhanced Raman Scattering of DNA Origami-templated Metamolecules. <i>Nano Letters</i> , 2020, 20, 3155-3159.	4.5	30
18	Rationally Designed DNA Nanostructures for Drug Delivery. <i>Frontiers in Chemistry</i> , 2020, 8, 751.	1.8	27

#	ARTICLE	IF	CITATIONS
19	Sleep quality and disease activity in patients with inflammatory bowel disease: a systematic review and meta-analysis. <i>Sleep Medicine</i> , 2020, 75, 301-308.	0.8	26
20	Practical aspects of structural and dynamic DNA nanotechnology. <i>MRS Bulletin</i> , 2017, 42, 889-896.	1.7	23
21	Programmable DNA Nanoindicator-Based Platform for Large-Scale Square Root Logic Biocomputing. <i>Small</i> , 2019, 15, e1903489.	5.2	23
22	Photothermal Nano-antibiotic for Effective Treatment of Multidrug-Resistant Bacterial Infection. <i>ACS Applied Bio Materials</i> , 2020, 3, 5395-5406.	2.3	22
23	<i>In Situ</i> DNA Self-Assembly on the Cell Surface Drives Unidirectional Clustering of Membrane Proteins for the Modulation of Cell Behaviors. <i>Nano Letters</i> , 2022, 22, 3410-3416.	4.5	15
24	Systemic Delivery of Bc12-Targeting siRNA by DNA Nanoparticles Suppresses Cancer Cell Growth. <i>Angewandte Chemie</i> , 2017, 129, 16239-16243.	1.6	13
25	Programming the Nucleation of DNA Brick Self-Assembly with a Seeding Strand. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8594-8600.	7.2	12
26	Programming DNA Tube Circumference by Tile Offset Connection. <i>Journal of the American Chemical Society</i> , 2019, 141, 19529-19532.	6.6	11
27	Ten-Input Cube Root Logic Computation with Rational Designed DNA Nanoswitches Coupled with DNA Strand Displacement Process. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2601-2606.	4.0	11
28	Profiling and Regulating Proteins That Adsorb to DNA Materials in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 8671-8679.	3.2	8
29	Promoting Cell Fusion by Polyvalent DNA Ligands. <i>Nano Letters</i> , 2022, 22, 3018-3025.	4.5	8
30	Predialysis fluid overload linked with quality of sleep in patients undergoing hemodialysis. <i>Sleep Medicine</i> , 2018, 51, 140-147.	0.8	7
31	DNA-Guided Assembly of Molecules, Materials, and Cells. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900101.	3.3	6
32	A DNA-binding, albumin-targeting fusion protein promotes the cellular uptake and bioavailability of framework DNA nanostructures. <i>Nanoscale</i> , 2021, 13, 6038-6042.	2.8	6
33	Assembly of Barcode-like Nucleic Acid Nanostructures. <i>Small</i> , 2014, 10, 3923-3926.	5.2	5
34	Attack on the Cell Membrane: The Pointy Ends of DNA Nanostructures Lead the Way. <i>ACS Central Science</i> , 2018, 4, 1298-1299.	5.3	4
35	Programmable Assembly of DNA-protein Hybrid Structures. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 211-218.	1.3	4
36	Programmable assembly of gold nanoparticle nanoclusters and lattices. <i>Journal of Materials Chemistry B</i> , 2020, 8, 6810-6813.	2.9	4

#	ARTICLE	IF	CITATIONS
37	Functional Characterization of Ly49+CD8 T-Cells in Both Normal Condition and During Anti-Viral Response. <i>Frontiers in Immunology</i> , 2020, 11, 602783.	2.2	4
38	Multicomponent DNA-templated Nanoparticle Chains with Controllable Dimension and Composition. <i>Small</i> , 2011, 7, 2021-2026.	5.2	3
39	Designer Structures Assembled from Modular DNA Superbricks. <i>ACS Applied Bio Materials</i> , 2020, 3, 2850-2853.	2.3	3
40	Programming the Nucleation of DNA Brick Self-assembly with a Seeding Strand. <i>Angewandte Chemie</i> , 2020, 132, 8672-8678.	1.6	2
41	A DNA-Based Molecular System That Can Autonomously Add and Extract Components. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41004-41011.	4.0	1
42	A conformational study of the 10 ²³ DNAzyme <i>via</i> programmed DNA self-assembly. <i>Chemical Communications</i> , 2022, 58, 6188-6191.	2.2	1