

# Ruizi Peng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6887780/publications.pdf>

Version: 2024-02-01

30  
papers

1,744  
citations

430442

18  
h-index

454577

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2099  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamer-integrated DNA nanostructures for biosensing, bioimaging and cancer therapy. <i>Chemical Society Reviews</i> , 2016, 45, 2583-2602.	18.7	513
2	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2018, 140, 9793-9796.	6.6	214
3	Fluorescence Resonance Energy Transfer-Based DNA Nanoprism with a Split Aptamer for Adenosine Triphosphate Sensing in Living Cells. <i>Analytical Chemistry</i> , 2017, 89, 10941-10947.	3.2	117
4	Entropy Beacon: A Hairpin-Free DNA Amplification Strategy for Efficient Detection of Nucleic Acids. <i>Analytical Chemistry</i> , 2015, 87, 11714-11720.	3.2	106
5	DNA-Based Dynamic Reaction Networks. <i>Trends in Biochemical Sciences</i> , 2018, 43, 547-560.	3.7	79
6	DNA-based artificial molecular signaling system that mimics basic elements of reception and response. <i>Nature Communications</i> , 2020, 11, 978.	5.8	72
7	Facile Assembly/Disassembly of DNA Nanostructures Anchored on Cell-Mimicking Giant Vesicles. <i>Journal of the American Chemical Society</i> , 2017, 139, 12410-12413.	6.6	68
8	Biostable L-DNAzyme for Sensing of Metal Ions in Biological Systems. <i>Analytical Chemistry</i> , 2016, 88, 1850-1855.	3.2	65
9	Artificial Signal Feedback Network Mimicking Cellular Adaptivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 6458-6461.	6.6	49
10	A two-photon fluorescent turn-on probe for imaging of SO <sub>2</sub> derivatives in living cells and tissues. <i>Analytica Chimica Acta</i> , 2016, 937, 136-142.	2.6	47
11	Protocells programmed through artificial reaction networks. <i>Chemical Science</i> , 2020, 11, 631-642.	3.7	45
12	A Cascade Signaling Network between Artificial Cells Switching Activity of Synthetic Transmembrane Channels. <i>Journal of the American Chemical Society</i> , 2021, 143, 232-240.	6.6	42
13	Multicolor Two-Photon Nanosystem for Multiplexed Intracellular Imaging and Targeted Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12569-12576.	7.2	40
14	Engineering DNA on the Surface of Upconversion Nanoparticles for Bioanalysis and Therapeutics. <i>ACS Nano</i> , 2021, 15, 17257-17274.	7.3	39
15	Hierarchical Fabrication of DNA Wireframe Nanoarchitectures for Efficient Cancer Imaging and Targeted Therapy. <i>ACS Nano</i> , 2020, 14, 17365-17375.	7.3	30
16	G-Quadruplex-Induced Liquid-Liquid Phase Separation in Biomimetic Protocells. <i>Journal of the American Chemical Society</i> , 2021, 143, 11036-11043.	6.6	27
17	Biomimetic Carriers Based on Giant Membrane Vesicles for Targeted Drug Delivery and Photodynamic/Photothermal Synergistic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 43811-43819.	4.0	26
18	Catalytic self-assembly of a DNA dendritic complex for efficient gene silencing. <i>Chemical Communications</i> , 2016, 52, 1413-1415.	2.2	24

#	ARTICLE	IF	CITATIONS
19	Hierarchical Self-Assembly of Cholesterol-DNA Nanorods. <i>Bioconjugate Chemistry</i> , 2019, 30, 1845-1849.	1.8	21
20	Generating Giant Membrane Vesicles from Live Cells with Preserved Cellular Properties. <i>Research</i> , 2019, 2019, 6523970.	2.8	20
21	Manipulation of Multiple Cell-Cell Interactions by Tunable DNA Scaffold Networks. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	18
22	A Magnetocatalytic Propelled Cobalt-Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. <i>CCS Chemistry</i> , 2022, 4, 2382-2395.	4.6	16
23	Spherically Directed Synthesis and Enhanced Cellular Internalization of Metal-Crosslinked DNA Micelles. <i>CheM</i> , 2019, 5, 913-928.	5.8	14
24	Functional nucleic acid-based cell imaging and manipulation. <i>Science China Chemistry</i> , 2021, 64, 1817-1825.	4.2	13
25	New Insights from Chemical Biology: Molecular Basis of Transmission, Diagnosis, and Therapy of SARS-CoV-2. <i>CCS Chemistry</i> , 2021, 3, 1501-1528.	4.6	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	A minireview on multiparameter-activated nanodevices for cancer imaging and therapy. <i>Nanoscale</i> , 2020, 12, 21571-21582.	2.8	8
28	Multicolor Two-Photon Nanosystem for Multiplexed Intracellular Imaging and Targeted Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 12677-12684.	1.6	6
29	<i>In situ</i> DNA Assembly on the Surfaces of Nanosized Exosomes Based on Molecular Recognition. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2017, 33, 1083-1084.	2.2	1
30	Manipulation of Multiple Cell-Cell Interactions by Tunable DNA Scaffold Networks. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1