

# Jiye Shi

## List of Publications by Citations

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196  
papers

9,577  
citations

50  
h-index

92  
g-index

215  
ext. papers

11,418  
ext. citations

8.6  
avg, IF

6.24  
L-index

#	Paper	IF	Citations
196	FUGUE: sequence-structure homology recognition using environment-specific substitution tables and structure-dependent gap penalties. <i>Journal of Molecular Biology</i> , <b>2001</b> , 310, 243-57	6.5	1102
195	Hybridization chain reaction amplification of microRNA detection with a tetrahedral DNA nanostructure-based electrochemical biosensor. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 2124-30	7.8	392
194	Single-particle tracking and modulation of cell entry pathways of a tetrahedral DNA nanostructure in live cells. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7745-50	16.4	326
193	Smart drug delivery nanocarriers with self-assembled DNA nanostructures. <i>Advanced Materials</i> , <b>2013</b> , 25, 4386-96	24	313
192	Programmable engineering of a biosensing interface with tetrahedral DNA nanostructures for ultrasensitive DNA detection. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2151-5	16.4	264
191	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1855-1858	16.4	248
190	Electrochemical detection of nucleic acids, proteins, small molecules and cells using a DNA-nanostructure-based universal biosensing platform. <i>Nature Protocols</i> , <b>2016</b> , 11, 1244-63	18.8	234
189	SABDab: the structural antibody database. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D1140-6	20.1	193
188	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 865-877	19	184
187	Graphene oxide-based antibacterial cotton fabrics. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 1259-66	10.1	173
186	Nanoscale optical probes for cellular imaging. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 2650-61	58.5	166
185	Multicolor Gold-Silver Nano-Mushrooms as Ready-to-Use SERS Probes for Ultrasensitive and Multiplex DNA/miRNA Detection. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 2531-2538	7.8	161
184	DNA Hydrogel with Aptamer-Toehold-Based Recognition, Cloaking, and Decloaking of Circulating Tumor Cells for Live Cell Analysis. <i>Nano Letters</i> , <b>2017</b> , 17, 5193-5198	11.5	144
183	Yolk-shell nanostructured FeO@C magnetic nanoparticles with enhanced peroxidase-like activity for label-free colorimetric detection of HO and glucose. <i>Nanoscale</i> , <b>2017</b> , 9, 4508-4515	7.7	136
182	Evolutionary trace analysis of TGF-beta and related growth factors: implications for site-directed mutagenesis. <i>Protein Engineering, Design and Selection</i> , <b>2000</b> , 13, 839-47	1.9	122
181	Solving mazes with single-molecule DNA navigators. <i>Nature Materials</i> , <b>2019</b> , 18, 273-279	27	121
180	Real-time visualization of clustering and intracellular transport of gold nanoparticles by correlative imaging. <i>Nature Communications</i> , <b>2017</b> , 8, 15646	17.4	116

179	Hydrogen Sulfide-Activatable Second Near-Infrared Fluorescent Nanoassemblies for Targeted Photothermal Cancer Therapy. <i>Nano Letters</i> , <b>2018</b> , 18, 6411-6416	11.5	115
178	DNA-directed assembly of gold nanohalo for quantitative plasmonic imaging of single-particle catalysis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 4292-5	16.4	111
177	Multiple-Armed Tetrahedral DNA Nanostructures for Tumor-Targeting, Dual-Modality in Vivo Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 4378-84	9.5	110
176	Five computational developability guidelines for therapeutic antibody profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 4025-4030	11.5	109
175	Label-Free Electrochemical Sensing Platform for MicroRNA-21 Detection Using Thionine and Gold Nanoparticles Co-Functionalized MoS Nanosheet. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 35597-35603 <sup>104</sup>	9.5	104
174	ABodyBuilder: Automated antibody structure prediction with data-driven accuracy estimation. <i>MABs</i> , <b>2016</b> , 8, 1259-1268	6.6	104
173	Biodistribution and pulmonary toxicity of intratracheally instilled graphene oxide in mice. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e44-e44	10.3	102
172	Scaffolded biosensors with designed DNA nanostructures. <i>NPG Asia Materials</i> , <b>2013</b> , 5, e51-e51	10.3	94
171	An Intelligent DNA Nanorobot with Enhanced Protein Lysosomal Degradation of HER2. <i>Nano Letters</i> , <b>2019</b> , 19, 4505-4517	11.5	91
170	MEDELLER: homology-based coordinate generation for membrane proteins. <i>Bioinformatics</i> , <b>2010</b> , 26, 2833-40	7.2	91
169	Gold-nanoparticle-mediated jigsaw-puzzle-like assembly of supersized plasmonic DNA origami. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2966-9	16.4	88
168	A bubble-mediated intelligent microscale electrochemical device for single-step quantitative bioassays. <i>Advanced Materials</i> , <b>2014</b> , 26, 4671-6	24	87
167	Improving B-cell epitope prediction and its application to global antibody-antigen docking. <i>Bioinformatics</i> , <b>2014</b> , 30, 2288-94	7.2	86
166	One-Shot Immunomodulatory Nanodiamond Agents for Cancer Immunotherapy. <i>Advanced Materials</i> , <b>2016</b> , 28, 2699-708	24	85
165	Programming Cell Adhesion for On-Chip Sequential Boolean Logic Functions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10176-10179	16.4	85
164	Inhibiting Methicillin-Resistant Staphylococcus aureus by Tetrahedral DNA Nanostructure-Enabled Antisense Peptide Nucleic Acid Delivery. <i>Nano Letters</i> , <b>2018</b> , 18, 5652-5659	11.5	82
163	Self-assembly of poly-adenine-tailed CpG oligonucleotide-gold nanoparticle nanoconjugates with immunostimulatory activity. <i>Small</i> , <b>2014</b> , 10, 368-75	11	79
162	The role of the TolC family in protein transport and multidrug efflux. From stereochemical certainty to mechanistic hypothesis. <i>FEBS Journal</i> , <b>2001</b> , 268, 5011-26		71

161	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 515-518	16.4	70
160	Valency-Controlled Framework Nucleic Acid Signal Amplifiers. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7131-7135	16.4	70
159	A Surface-Confined Proton-Driven DNA Pump Using a Dynamic 3D DNA Scaffold. <i>Advanced Materials</i> , <b>2016</b> , 28, 6860-5	24	70
158	ABangle: characterising the VH-VL orientation in antibodies. <i>Protein Engineering, Design and Selection</i> , <b>2013</b> , 26, 611-20	1.9	69
157	DNA-Encoded Raman-Active Anisotropic Nanoparticles for microRNA Detection. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9850-9856	7.8	67
156	Characterization of the interaction of sclerostin with the low density lipoprotein receptor-related protein (LRP) family of Wnt co-receptors. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 26464-77	5.4	62
155	Transfer of Two-Dimensional Oligonucleotide Patterns onto Stereocontrolled Plasmonic Nanostructures through DNA-Origami-Based Nanoimprinting Lithography. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8036-40	16.4	60
154	Size-dependent programming of the dynamic range of graphene oxide-DNA interaction-based ion sensors. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 4047-51	7.8	59
153	MoS Nanoprobe for MicroRNA Quantification Based on Duplex-Specific Nuclease Signal Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7852-7858	9.5	58
152	Analysis and modeling of the variable region of camelid single-domain antibodies. <i>Journal of Immunology</i> , <b>2011</b> , 186, 6357-67	5.3	57
151	Antibody i-Patch prediction of the antibody binding site improves rigid local antibody-antigen docking. <i>Protein Engineering, Design and Selection</i> , <b>2013</b> , 26, 621-9	1.9	55
150	The H3 loop of antibodies shows unique structural characteristics. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2017</b> , 85, 1311-1318	4.2	52
149	Helix kinks are equally prevalent in soluble and membrane proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2014</b> , 82, 1960-70	4.2	52
148	Pattern recognition analysis of proteins using DNA-decorated catalytic gold nanoparticles. <i>Small</i> , <b>2013</b> , 9, 2844-9	11	52
147	Nanodiamond autophagy inhibitor allosterically improves the arsenical-based therapy of solid tumors. <i>Nature Communications</i> , <b>2018</b> , 9, 4347	17.4	52
146	Targeted Imaging of Brain Tumors with a Framework Nucleic Acid Probe. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3414-3420	9.5	50
145	Implementing digital computing with DNA-based switching circuits. <i>Nature Communications</i> , <b>2020</b> , 11, 121	17.4	50
144	Activity modulation and allosteric control of a scaffolded DNzyme using a dynamic DNA nanostructure. <i>Chemical Science</i> , <b>2016</b> , 7, 1200-1204	9.4	49

143	Exploring transition pathway and free-energy profile of large-scale protein conformational change by combining normal mode analysis and umbrella sampling molecular dynamics. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 134-43	3.4	49
142	In Situ Spatial Complementation of Aptamer-Mediated Recognition Enables Live-Cell Imaging of Native RNA Transcripts in Real Time. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 972-976	16.4	48
141	HOMSTRAD: adding sequence information to structure-based alignments of homologous protein families. <i>Bioinformatics</i> , <b>2001</b> , 17, 748-9	7.2	47
140	Programming bulk enzyme heterojunctions for biosensor development with tetrahedral DNA framework. <i>Nature Communications</i> , <b>2020</b> , 11, 838	17.4	44
139	Nanoscale delivery systems for cancer immunotherapy. <i>Materials Horizons</i> , <b>2018</b> , 5, 344-362	14.4	43
138	Force fields and scoring functions for carbohydrate simulation. <i>Carbohydrate Research</i> , <b>2015</b> , 401, 73-81	2.9	41
137	Nanoplasmonic imaging of latent fingerprints with explosive RDX residues. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9403-7	7.8	40
136	Stability and Characteristics of the Halogen Bonding Interaction in an Anion-Anion Complex: A Computational Chemistry Study. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 610-20	3.4	40
135	Recent progress in natural products as DPP-4 inhibitors. <i>Future Medicinal Chemistry</i> , <b>2015</b> , 7, 1079-89	4.1	39
134	Guiding protein delivery into live cells using DNA-programmed membrane fusion. <i>Chemical Science</i> , <b>2018</b> , 9, 5967-5975	9.4	39
133	Programmable Engineering of a Biosensing Interface with Tetrahedral DNA Nanostructures for Ultrasensitive DNA Detection. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2179-2183	3.6	39
132	Alchembed: A Computational Method for Incorporating Multiple Proteins into Complex Lipid Geometries. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 2743-2754	6.4	37
131	Dynamic Modulation of DNA Hybridization Using Allosteric DNA Tetrahedral Nanostructures. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 8043-9	7.8	37
130	Encapsulation of curcumin within poly(amidoamine) dendrimers for delivery to cancer cells. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2013</b> , 24, 2137-44	4.5	37
129	High resolution NMR-based model for the structure of a scFv-IL-1beta complex: potential for NMR as a key tool in therapeutic antibody design and development. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 31928-35	5.4	37
128	Enhanced sampling molecular dynamics simulation captures experimentally suggested intermediate and unfolded states in the folding pathway of Trp-cage miniprotein. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 125103	3.9	36
127	DNA origami cryptography for secure communication. <i>Nature Communications</i> , <b>2019</b> , 10, 5469	17.4	36
126	Thera-SAbDab: the Therapeutic Structural Antibody Database. <i>Nucleic Acids Research</i> , <b>2020</b> , 48, D383-D388	3.1	34

125	Memoir: template-based structure prediction for membrane proteins. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, W379-83	20.1	32
124	An Exonuclease III-Powered, On-Particle Stochastic DNA Walker. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1881-1884	3.6	31
123	Systematic Study in Mammalian Cells Showing No Adverse Response to Tetrahedral DNA Nanostructure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 15442-15448	9.5	31
122	Mobile computing - A green computing resource <b>2013</b> ,		31
121	Unraveling the role of hydrogen peroxide in $\beta$ -synuclein aggregation using an ultrasensitive nanoplasmonic probe. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 1968-73	7.8	31
120	Single-Particle Tracking and Modulation of Cell Entry Pathways of a Tetrahedral DNA Nanostructure in Live Cells. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7879-7884	3.6	31
119	DNA-Origami-Based Assembly of Anisotropic Plasmonic Gold Nanostructures. <i>Small</i> , <b>2017</b> , 13, 1603991	11	30
118	Length-independent structural similarities enrich the antibody CDR canonical class model. <i>MAbs</i> , <b>2016</b> , 8, 751-60	6.6	30
117	Deciphering active biocompatibility of iron oxide nanoparticles from their intrinsic antagonism. <i>Nano Research</i> , <b>2018</b> , 11, 2746-2755	10	30
116	Graphene oxide-silver nanocomposites modulate biofilm formation and extracellular polymeric substance (EPS) production. <i>Nanoscale</i> , <b>2018</b> , 10, 19603-19611	7.7	30
115	Constructing Higher-Order DNA Nanoarchitectures with Highly Purified DNA Nanocages. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 13174-9	9.5	29
114	MoS <sub>2</sub> @Au@Pt nanohybrids as a sensing platform for electrochemical nonenzymatic glucose detection. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 6750-6755	3.6	28
113	iMembrane: homology-based membrane-insertion of proteins. <i>Bioinformatics</i> , <b>2009</b> , 25, 1086-8	7.2	28
112	The prospects of quantum computing in computational molecular biology. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2021</b> , 11, e1481	7.9	28
111	Real-Time Imaging of Endocytosis and Intracellular Trafficking of Semiconducting Polymer Dots. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21200-21208	9.5	27
110	DNA orientation-specific adhesion and patterning of living mammalian cells on self-assembled DNA monolayers. <i>Chemical Science</i> , <b>2016</b> , 7, 2722-2727	9.4	26
109	Molecular Threading-Dependent Mass Transport in Paper Origami for Single-Step Electrochemical DNA Sensors. <i>Nano Letters</i> , <b>2019</b> , 19, 369-374	11.5	26
108	Halogen bonding in differently charged complexes: basic profile, essential interaction terms and intrinsic $\beta$ hole. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 15106-15119	3.6	25

107	Encapsulation and release of living tumor cells using hydrogels with the hybridization chain reaction. <i>Nature Protocols</i> , <b>2020</b> , 15, 2163-2185	18.8	25
106	DNA Origami-Enabled Engineering of Ligand-Drug Conjugates for Targeted Drug Delivery. <i>Small</i> , <b>2020</b> , 16, e1904857	11	25
105	Sphinx: merging knowledge-based and ab initio approaches to improve protein loop prediction. <i>Bioinformatics</i> , <b>2017</b> , 33, 1346-1353	7.2	25
104	Structurally Mapping Antibody Repertoires. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1698	8.4	25
103	Thermodynamics calculation of protein-ligand interactions by QM/MM polarizable charge parameters. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 163-76	3.6	24
102	Access to Different Isomeric Dibenzoxazepinones through Copper-Catalyzed C-H Etherification and C-N Bond Construction with Controllable Smiles Rearrangement. <i>Organic Letters</i> , <b>2016</b> , 18, 380-3	6.2	24
101	PCR-Free Colorimetric DNA Hybridization Detection Using a 3D DNA Nanostructured Reporter Probe. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38281-38287	9.5	23
100	Fractal Nanoplasmonic Labels for Supermultiplex Imaging in Single Cells. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11938-11946	16.4	23
99	Poly-adenine-mediated spherical nucleic acids for strand displacement-based DNA/RNA detection. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 127, 85-91	11.8	23
98	Like-Charge Guanidinium Pairing between Ligand and Receptor: An Unusual Interaction for Drug Discovery and Design?. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 11988-97	3.4	21
97	Electrochemical detection of PCR amplicons of Escherichia coli genome based on DNA nanostructural probes and polyHRP enzyme. <i>Analyst, The</i> , <b>2016</b> , 141, 5304-10	5	21
96	Humidity-Responsive Single-Nanoparticle-Layer Plasmonic Films. <i>Advanced Materials</i> , <b>2017</b> , 29, 160679624		21
95	Graphene Nanoprobes for Real-Time Monitoring of Isothermal Nucleic Acid Amplification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15245-15253	9.5	20
94	Programming Switchable Transcription of Topologically Constrained DNA. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10739-10746	16.4	20
93	Examining variable domain orientations in antigen receptors gives insight into TCR-like antibody design. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003852	5	20
92	D3Pockets: A Method and Web Server for Systematic Analysis of Protein Pocket Dynamics. <i>Journal of Chemical Information and Modeling</i> , <b>2019</b> , 59, 3353-3358	6.1	19
91	Combining modelling and mutagenesis studies of synaptic vesicle protein 2A to identify a series of residues involved in racetam binding. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 1341-7	5.1	19
90	Environment specific substitution tables improve membrane protein alignment. <i>Bioinformatics</i> , <b>2011</b> , 27, i15-23	7.2	19

89	Programmable Live-Cell CRISPR Imaging with Toehold-Switch-Mediated Strand Displacement. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20612-20618	16.4	19
88	Serum protein corona-responsive autophagy tuning in cells. <i>Nanoscale</i> , <b>2018</b> , 10, 18055-18063	7.7	19
87	The Inhibition Effect of Graphene Oxide Nanosheets on the Development of Streptococcus mutans Biofilms. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700001	3.1	18
86	Real-Time Continuous Identification of Greenhouse Plant Pathogens Based on Recyclable Microfluidic Bioassay System. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 31568-31575	9.5	18
85	The Cloudlet Accelerator: Bringing Mobile-Cloud Face Recognition into Real-Time <b>2015</b> ,		18
84	Conjugation of dexamethasone to C60 for the design of an anti-inflammatory nanomedicine with reduced cellular apoptosis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5291-7	9.5	18
83	How Do Distance and Solvent Affect Halogen Bonding Involving Negatively Charged Donors?. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 8784-93	3.4	18
82	Programming chain-growth copolymerization of DNA hairpin tiles for in-vitro hierarchical supramolecular organization. <i>Nature Communications</i> , <b>2019</b> , 10, 1006	17.4	18
81	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 530-533	3.6	17
80	Underestimated Halogen Bonds Forming with Protein Backbone in Protein Data Bank. <i>Journal of Chemical Information and Modeling</i> , <b>2017</b> , 57, 1529-1534	6.1	17
79	Examining the Conservation of Kinks in Alpha Helices. <i>PLoS ONE</i> , <b>2016</b> , 11, e0157553	3.7	17
78	Separation and peroxisome proliferator-activated receptor-agonist activity evaluation of synthetic racemic bavachinin enantiomers. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 2579-83	2.9	16
77	Building a better fragment library for de novo protein structure prediction. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123998	3.7	16
76	Blood exposure to graphene oxide may cause anaphylactic death in non-human primates. <i>Nano Today</i> , <b>2020</b> , 35, 100922	17.9	16
75	Determining Protein Folding Pathway and Associated Energetics through Partitioned Integrated-Tempering-Sampling Simulation. <i>Journal of Chemical Theory and Computation</i> , <b>2017</b> , 13, 1229-1243	6.4	15
74	Computational design of an epitope-specific Keap1 binding antibody using hotspot residues grafting and CDR loop swapping. <i>Scientific Reports</i> , <b>2017</b> , 7, 41306	4.9	15
73	Gold-Nanoparticle-Mediated Jigsaw-Puzzle-like Assembly of Supersized Plasmonic DNA Origami. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3009-3012	3.6	15
72	Reversible Regulation of Catalytic Activity of Gold Nanoparticles with DNA Nanomachines. <i>Scientific Reports</i> , <b>2015</b> , 5, 14402	4.9	15

71	Inhibition of Epithelial-Mesenchymal Transition and Tissue Regeneration by Waterborne Titanium Dioxide Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 3449-3458	9.5	14
70	In Situ Spatial Complementation of Aptamer-Mediated Recognition Enables Live-Cell Imaging of Native RNA Transcripts in Real Time. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 984-988	3.6	14
69	Multifunctional Yolk-Shell Nanostructure as a Superquencher for Fluorescent Analysis of Potassium Ion Using Guanine-Rich Oligonucleotides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30406-30413	9.5	14
68	Recognizing single phospholipid vesicle collisions on carbon fiber nanoelectrode. <i>Science China Chemistry</i> , <b>2017</b> , 60, 1474-1480	7.9	14
67	Exploring the interaction of SV2A with racetams using homology modelling, molecular dynamics and site-directed mutagenesis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0116589	3.7	14
66	Cavity-Type DNA Origami-Based Plasmonic Nanostructures for Raman Enhancement. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21942-21948	9.5	13
65	Preservation of DNA Nanostructure Carriers: Effects of Freeze-Thawing and Ionic Strength during Lyophilization and Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 18434-18439	9.5	13
64	Energetics and structural characterization of the "DFG-flip" conformational transition of B-RAF kinase: a SITS molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 1257-1267	3.6	13
63	A DNA tetrahedral structure-mediated ultrasensitive fluorescent microarray platform for nucleic acid test. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 321, 128538	8.5	13
62	Mapping central Helix linker mediated conformational transition pathway of calmodulin via simple computational approach. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 9677-85	3.4	13
61	Design, Synthesis, and Structure-Activity Relationships of Bavachinin Analogues as Peroxisome Proliferator-Activated Receptor $\alpha$ Agonists. <i>ChemMedChem</i> , <b>2017</b> , 12, 183-193	3.7	12
60	Antibody side chain conformations are position-dependent. <i>Proteins: Structure, Function and Bioinformatics</i> , <b>2018</b> , 86, 383-392	4.2	12
59	Deciphering buried air phases on natural and bioinspired superhydrophobic surfaces using synchrotron radiation-based X-ray phase-contrast imaging. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e306-e306	10.3	12
58	Structural insights into HIV-1 protease flap opening processes and key intermediates. <i>RSC Advances</i> , <b>2017</b> , 7, 45121-45128	3.7	12
57	Multichannel Immunosensor Platform for the Rapid Detection of SARS-CoV-2 and Influenza A(H1N1) Virus. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22262-22270	9.5	12
56	Exploring Conformational Change of Adenylate Kinase by Replica Exchange Molecular Dynamic Simulation. <i>Biophysical Journal</i> , <b>2020</b> , 118, 1009-1018	2.9	11
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