

# Shi-Yong Ran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2491832/publications.pdf>

Version: 2024-02-01

12  
papers

184  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compaction Dynamics of Single DNA Molecules under Tension. <i>Journal of the American Chemical Society</i> , 2006, 128, 15040-15041.	13.7	51
2	Polyethylene glycol and divalent salt-induced DNA reentrant condensation revealed by single molecule measurements. <i>Soft Matter</i> , 2015, 11, 3927-3935.	2.7	34
3	Morphology Characterization and Single-Molecule Study of DNA~Dodecyltrimethylammonium Bromide Complex. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4568-4575.	2.6	25
4	Two-stage DNA compaction induced by silver ions suggests a cooperative binding mechanism. <i>Journal of Chemical Physics</i> , 2018, 148, 205102.	3.0	14
5	Direct Evidence of Divalent Manganese Ion~Induced DNA Condensation at Room Temperature. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1629-1635.	2.2	13
6	Divalent metal ions and intermolecular interactions facilitate DNA network formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111117.	5.0	13
7	Interaction between DNA and Trimethyl-Ammonium Bromides with Different Alkyl Chain Lengths. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	9
8	Formation of DNA pearl~necklace structures on mica surface governed by kinetics and thermodynamics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 971-979.	2.1	9
9	A multi-field approach to DNA condensation. <i>Chinese Physics B</i> , 2015, 24, 128702.	1.4	7
10	Multistage dynamics of Hg <sup>2+</sup> ~DNA interactions: a single-molecule study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2919-2928.	2.8	6
11	Lanthanide ions induce DNA compaction with ionic specificity. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 292-299.	7.5	2
12	Single Molecular Chelation Dynamics Reveals That DNA Has a Stronger Affinity toward Lead(II) than Cadmium(II). <i>Journal of Physical Chemistry B</i> , 2022, 126, 1876-1884.	2.6	1