

Shi-Yong Ran

List of Publications by Year in descending order

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12
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1163117

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docs citations

12
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lanthanide ions induce DNA compaction with ionic specificity. <i>International Journal of Biological Macromolecules</i> , 2022, 210, 292-299.	7.5	2
3	Divalent metal ions and intermolecular interactions facilitate DNA network formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 194, 111117.	5.0	13
4	Multistage dynamics of Hg ²⁺ –DNA interactions: a single-molecule study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2919-2928.	2.8	6
5	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
6	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
7	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
8	A multi-field approach to DNA condensation. <i>Chinese Physics B</i> , 2015, 24, 128702.	1.4	7
9	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
10	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
11	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
12	Compaction Dynamics of Single DNA Molecules under Tension. <i>Journal of the American Chemical Society</i> , 2006, 128, 15040-15041.	13.7	51