

# Zhen Xu

## List of Publications by Year in descending order

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17  
papers

268  
citations

1306789

7  
h-index

1058022

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of differing stator and rotor radii on a three-class rotation-transmission nanobearing driven by a gigahertz rotary nanomotor. <i>Materials Today Communications</i> , 2020, 22, 100782.	0.9	2
2	Unexpected sequence adsorption features of polynucleotide ssDNA on graphene oxide. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11740-11746.	1.3	12
3	Molecular dynamics simulation of $\gamma$ -type nanomotors with different angles in aqueous solution. <i>AIP Advances</i> , 2019, 9, .	0.6	2
4	Molecular Dynamics Simulation of Ultra High Speed Nano Wheel Gears in Aqueous Solutions. , 2019, , .		0
5	Effects of Radius and Length on the Nanomotor Rotors in Aqueous Solution Driven by the Rotating Electric Field. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30649-30656.	1.5	7
6	A three-stage rotary transmission nanobearing driven by a gigahertz nanomotor. <i>AIP Advances</i> , 2019, 9, 105306.	0.6	3
7	10.1063/1.5120382.1. , 2019, , .		0
8	10.1063/1.5120382.2. , 2019, , .		0
9	DNA Confined in a Nanodroplet: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8812-8818.	1.2	3
10	Dynamic Cooperation of Hydrogen Binding and $\pi$ -Stacking in ssDNA Adsorption on Graphene Oxide. <i>Chemistry - A European Journal</i> , 2017, 23, 13100-13104.	1.7	55
11	Manipulation of a neutral and nonpolar nanoparticle in water using a nonuniform electric field. <i>Journal of Chemical Physics</i> , 2016, 144, 014302.	1.2	13
12	Shape Evolution of Metal Nanoparticles in Water Vapor Environment. <i>Nano Letters</i> , 2016, 16, 2628-2632.	4.5	92
13	Nanoscale Hydrophilicity on Metal Surfaces at Room Temperature: Coupling Lattice Constants and Crystal Faces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20409-20415.	1.5	47
14	Transport of ions through a (6,6) carbon nanotube under electric fields. <i>Chinese Physics B</i> , 2014, 23, 118201.	0.7	2
15	Water structures inside and outside single-walled carbon nanotubes under perpendicular electric field. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 1-12.	1.9	8
16	Guided motion of short carbon nanotube driven by non-uniform electric field. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 535-540.	1.9	2
17	Dewetting of nanometer thin films under an electric field. <i>Physics of Fluids</i> , 2008, 20, .	1.6	20