

# Zhen Xu

## List of Publications by Year in descending order

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17  
papers

268  
citations

1306789

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1058022

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docs citations

17  
times ranked

430  
citing authors

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