Yusong Tu

List of Publications by Year in descending order

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38 papers	2,297 citations	430874 18 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	3663 citing authors

#	Article	IF	Citations
1	Emerging Twoâ€Dimensional Tellurene and Tellurides for Broadband Photodetectors. Small, 2022, 18, e2200016.	10.0	43
2	Thermodynamic analysis of nucleation of alcohol molecules with the varied alkyl chain length in nanoconfined solution. Physica A: Statistical Mechanics and Its Applications, 2022, , 127733.	2.6	1
3	Remarkably enhanced dynamic oxygen migration on graphene oxide supported by copper substrate. Nanoscale Horizons, 2022, 7, 1082-1086.	8.0	5
4	Association of Lennard-Jones particles in nanoconfined aqueous solution: Theory and molecular dynamics simulations. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125414.	2.6	2
5	Unexpected spontaneous dynamic oxygen migration on carbon nanotubes. Nanoscale, 2021, 13, 15231-15237.	5.6	6
6	First-principles study of benzene and its homologues upon graphene-metal surfaces: Comparison of London dispersion corrections. Surface Science, 2021, 714, 121919.	1.9	4
7	Remarkable Antibacterial Activity of Reduced Graphene Oxide Functionalized by Copper Ions. Advanced Functional Materials, 2021, 31, 2008018.	14.9	60
8	Unexpected hydrophobicity on self-assembled monolayers terminated with two hydrophilic hydroxyl groups. Nanoscale, 2021, 13, 19604-19609.	5.6	6
9	Water-Mediated Spontaneously Dynamic Oxygen Migration on Graphene Oxide with Structural Adaptivity for Biomolecule Adsorption*. Chinese Physics Letters, 2020, 37, 066803.	3.3	16
10	Unexpected large impact of small charges on surface frictions with similar wetting properties. Communications Chemistry, 2020, 3, .	4.5	11
11	Selectivity mechanism of magnesium and calcium in cation-binding pocket structures of phosphotyrosine. Physical Review E, 2020, 101, 022410.	2.1	2
12	Effects of salt on solute association behavior in nanoconfined aqueous solutions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 40-46.	2.1	3
13	Ambient conditions disordered-ordered phase transition of two-dimensional interfacial water molecules dependent on charge dipole moment. Physical Review Materials, 2019, 3, .	2.4	8
14	Self-Assembled Micellar Structures of Lipopeptides with Variable Number of Attached Lipid Chains Revealed by Atomistic Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2018, 122, 9605-9615.	2.6	8
15	Tumor Cell-Specific Nuclear Targeting of Functionalized Graphene Quantum Dots In Vivo. Bioconjugate Chemistry, 2017, 28, 2608-2619.	3.6	29
16	Dynamic Cooperation of Hydrogen Binding and Ï€ Stacking in ssDNA Adsorption on Graphene Oxide. Chemistry - A European Journal, 2017, 23, 13100-13104.	3.3	55
17	Defect-Induced Wetting Behavior on Solid Polar Surfaces with Small Charge Dipole Length. Journal of Physical Chemistry C, 2017, 121, 17365-17370.	3.1	5
18	Asymmetric nanoparticle may go â€œactiveâ€•at room temperature. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	1

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19	A new association state of solutes in nanoconfined aqueous solutions. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	4
20	Water-COOH Composite Structure with Enhanced Hydrophobicity Formed by Water Molecules Embedded into Carboxyl-Terminated Self-Assembled Monolayers. Physical Review Letters, 2015, 115, 186101.	7.8	40
21	Friction Reduction at a Superhydrophilic Surface: Role of Ordered Water. Journal of Physical Chemistry C, 2015, 119, 11679-11684.	3.1	66
22	Charge-signal multiplication mediated by urea wires inside Y-shaped carbon nanotubes. Journal of Chemical Physics, 2014, 141, 044707.	3.0	7
23	High Correlation between Oxidation Loci on Graphene Oxide. Angewandte Chemie, 2014, 126, 10354-10358.	2.0	21
24	High Correlation between Oxidation Loci on Graphene Oxide. Angewandte Chemie - International Edition, 2014, 53, 10190-10194.	13.8	86
25	Reversible State Transition in Nanoconfined Aqueous Solutions. Physical Review Letters, 2014, 112, 078301.	7.8	23
26	Asymmetrical free diffusion with orientation-dependence of molecules in finite timescales. Science China: Physics, Mechanics and Astronomy, 2013, 56, 1047-1052.	5.1	7
27	Capability of charge signal conversion and transmission by water chains confined inside Y-shaped carbon nanotubes. Journal of Chemical Physics, 2013, 138, 015104.	3.0	11
28	Destructive extraction of phospholipids from Escherichia coli membranes by graphene nanosheets. Nature Nanotechnology, 2013, 8, 594-601.	31.5	1,260
29	Alcohol-induced drying of carbon nanotubes and its implications for alcohol/water separation: A molecular dynamics study. Journal of Chemical Physics, 2013, 138, 204711.	3.0	39
30	Ion Enrichment on the Hydrophobic Carbon-based Surface in Aqueous Salt Solutions due to Cation-Ï€ Interactions. Scientific Reports, 2013, 3, 3436.	3.3	121
31	Molecular wire of urea in carbon nanotube: a molecular dynamics study. Nanoscale, 2012, 4, 652-658.	5.6	20
32	Critical Dipole Length for the Wetting Transition Due to Collective Water-dipoles Interactions. Scientific Reports, 2012, 2, 358.	3.3	64
33	Inside Cover: Size Dependence of Nanoscale Confinement on Chiral Transformation (Chem. Eur. J.) Tj ETQq1 1 0.784314 rgBT /Overlo	3.3	0
34	Modeling the rupture of a capillary liquid bridge between a sphere and plane. Soft Matter, 2010, 6, 6178.	2.7	33
35	Signal transmission, conversion and multiplication by polar molecules confined in nanochannels. Nanoscale, 2010, 2, 1976.	5.6	33
36	Anomalies of liquid water at low temperature due to two types of hydrogen bonds. Physical Review E, 2009, 79, 016707.	2.1	13

#	Article	IF	Citations
37	Water-mediated signal multiplication with Y-shaped carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18120-18124.	7.1	120
38	Manipulating Biomolecules with Aqueous Liquids Confined within Single-Walled Nanotubes. Journal of the American Chemical Society, 2009, 131, 2840-2845.	13.7	64