Yihui Dong

List of Publications by Year
in descending order

21	272	933264	940416
papers	citations	10 h-index	16 g-index

21	21	21	350
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Detailing molecular interactions of ionic liquids with charged SiO2 surfaces: A systematic AFM study. Journal of Molecular Liquids, 2022, 350, 118506.	2.3	10
2	Selective Separation of Highly Similar Proteins on Ionic Liquid-Loaded Mesoporous TiO₂. Langmuir, 2022, 38, 3202-3211.	1.6	2
3	Complementary Powerful Techniques for Investigating the Interactions of Proteins with Porous TiO2 and Its Hybrid Materials: A Tutorial Review. Membranes, 2022, 12, 415.	1.4	0
4	Molecular interactions of ionic liquids with SiO₂ surfaces determined from colloid probe atomic force microscopy. Physical Chemistry Chemical Physics, 2022, 24, 12808-12815.	1.3	3
5	Phosphonium-Based Ionic Liquid Significantly Enhances SERS of Cytochrome c on TiO₂ Nanotube Arrays. ACS Applied Materials & Interfaces, 2022, 14, 27456-27465.	4.0	5
6	Detecting confined fluid behavior by SFA: Past, present, and future. Green Energy and Environment, 2021, 6, 167-168.	4.7	2
7	Recent progress of green sorbents-based technologies for low concentration CO2 capture. Chinese Journal of Chemical Engineering, 2021, 31, 113-125.	1.7	20
8	Hydrated Ionic Liquids Boost the Trace Detection Capacity of Proteins on TiO2 Support. Langmuir, 2021, 37, 5012-5021.	1.6	7
9	Molecular Mechanistic Insights into the Ionic-Strength-Controlled Interfacial Behavior of Proteins on a TiO2 Surface. Langmuir, 2021, 37, 11499-11507.	1.6	3
10	Excellent Protein Immobilization and Stability on Heterogeneous Câ€“TiO₂ Hybrid Nanostructures: A Single Protein AFM Study. Langmuir, 2020, 36, 9323-9332.	1.6	9
11	Excellent Trace Detection of Proteins on TiO₂ Nanotube Substrates through Novel Topography Optimization. Journal of Physical Chemistry C, 2020, 124, 27790-27800.	1.5	10
12	Mechanistic Study of Protein Adsorption on Mesoporous TiO₂ in Aqueous Buffer Solutions. Langmuir, 2019, 35, 11037-11047.	1.6	8
13	AFM Study of pHâ€Dependent Adhesion of Single Protein to TiO₂ Surface. Advanced Materials Interfaces, 2019, 6, 1900411.	1.9	19
14	Determination of the small amount of proteins interacting with TiO2 nanotubes by AFM-measurement. Biomaterials, 2019, 192, 368-376.	5.7	19
15	Adhesion and friction in polymer films on solid substrates: conformal sites analysis and corresponding surface measurements. Soft Matter, 2017, 13, 3492-3505.	1.2	16
16	Adhesion and friction forces in biofouling attachments to nanotube- and PEG- patterned TiO2 surfaces. Colloids and Surfaces B: Biointerfaces, 2017, 159, 108-117.	2.5	27
17	Molecular Interactions of Protein with TiO₂ by the AFM-Measured Adhesion Force. Langmuir, 2017, 33, 11626-11634.	1.6	25
18	Bovine Serum Albumin Adsorption in Mesoporous Titanium Dioxide: Pore Size and Pore Chemistry Effect. Langmuir, 2016, 32, 3995-4003.	1.6	31

#	Article	IF	Citations
19	Molecular Behavior of Water on Titanium Dioxide Nanotubes: A Molecular Dynamics Simulation Study. Journal of Chemical & Engineering Data, 2016, 61, 4131-4138.	1.0	12
20	Efficient nanobiocatalytic systems of nuclease P immobilized on PEG-NH2 modified graphene oxide: effects of interface property heterogeneity. Colloids and Surfaces B: Biointerfaces, 2016, 145, 785-794.	2.5	25
21	Protein adsorptive behavior on mesoporous titanium dioxide determined by geometrical topography. Chemical Engineering Science, 2014, 117, 146-155.	1.9	19