

Xinyong Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11960108/publications.pdf>

Version: 2024-02-01

24
papers

1,625
citations

623734

14
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

2612
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrate stiffness affects early differentiation events in embryonic stem cells. , 2009, 18, 1-14.		387
2	Detection of Antigen- Antibody Binding Events with the Atomic Force Microscope. <i>Biochemistry</i> , 1997, 36, 7457-7463.	2.5	340
3	Biomaterial modification of urinary catheters with antimicrobials to give long-term broadspectrum antibiofilm activity. <i>Journal of Controlled Release</i> , 2015, 202, 57-64.	9.9	130
4	Characterization of the Surfaces Generated by Liposome Binding to the Modified Dextran Matrix of a Surface Plasmon Resonance Sensor Chip. <i>Analytical Biochemistry</i> , 2000, 280, 29-35.	2.4	128
5	Using the Bending Beam Model to Estimate the Elasticity of Diphenylalanine Nanotubes. <i>Langmuir</i> , 2007, 23, 7443-7446.	3.5	96
6	Extracellular matrix-mediated osteogenic differentiation of murine embryonic stem cells. <i>Biomaterials</i> , 2010, 31, 3244-3252.	11.4	86
7	Immunological and Structural Properties of a Pectic Polymer from <i>Glinus Oppositifolius</i> . <i>Glycobiology</i> , 2007, 17, 1299-1310.	2.5	77
8	Characterization of Drug Particle Surface Energetics and Young's Modulus by Atomic Force Microscopy and Inverse Gas Chromatography. <i>Pharmaceutical Research</i> , 2005, 22, 1158-1166.	3.5	70
9	Determination of the Surface Free Energy of Crystalline and Amorphous Lactose by Atomic Force Microscopy Adhesion Measurement. <i>Pharmaceutical Research</i> , 2006, 23, 401-407.	3.5	67
10	Pectic polysaccharides from <i>Biophytum petersianum</i> Klotzsch, and their activation of macrophages and dendritic cells. <i>Glycobiology</i> , 2008, 18, 1074-1084.	2.5	58
11	Preparation of a Poly(methyl methacrylate)/Ultrahigh Molecular Weight Polyethylene Blend Using Supercritical Carbon Dioxide and the Identification of a Three-Phase Structure: An Atomic Force Microscopy Study. <i>Macromolecules</i> , 2002, 35, 8869-8877.	4.8	53
12	An antimicrobial impregnated urinary catheter that reduces mineral encrustation and prevents colonisation by multi-drug resistant organisms for up to 12 weeks. <i>Acta Biomaterialia</i> , 2019, 90, 157-168.	8.3	30
13	Thermomechanical Manipulation of Aromatic Peptide Nanotubes. <i>Langmuir</i> , 2009, 25, 7256-7259.	3.5	26
14	A quantitative assessment of inhaled drug particle-pulmonary surfactant interaction by atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 97-102.	5.0	21
15	Design and development of 3D hierarchical ultra-microporous CO ₂ -sieving carbon architectures for potential flow-through CO ₂ capture at typical practical flue gas temperatures. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17025-17035.	10.3	17
16	Microelectromechanical system device for calibration of atomic force microscope cantilever spring constants between 0.01 and 4 N/m. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004, 22, 1444-1449.	2.1	12
17	Single particle friction on blister packaging materials used in dry powder inhalers. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 29, 405-413.	4.0	11
18	Droplet Deposition Pattern Affected by Different Heating Directions. <i>Journal of Bionic Engineering</i> , 2020, 17, 795-801.	5.0	5

#	ARTICLE	IF	CITATIONS
19	Investigation of Chemical and Physical Surface Changes of Thermally Conditioned Glass Fibres. <i>Fibers</i> , 2019, 7, 7.	4.0	4
20	In situ formation of crosslinked core-shell corona polymeric nanoparticles from a novel hyperbranched core. <i>Polymer Chemistry</i> , 2012, 3, 2807.	3.9	3
21	An optical leveling technique for parallel near-field photolithography system. <i>Applied Physics Letters</i> , 2012, 101, 173112.	3.3	2
22	Synthesis of two-phase polymer particles in supercritical carbon dioxide. <i>Polymer Chemistry</i> , 2020, 11, 5029-5039.	3.9	2
23	Analysis on probe-sample interaction for scanning near-field photolithography. , 2012, , .		0
24	Facile approach to generating polymeric nanoarrays containing populations of nanoparticles. <i>Micro and Nano Letters</i> , 2015, 10, 378-383.	1.3	0