

Chris J Wright

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

3,939
citations

117453

34
h-index

205818

48
g-index

53
all docs

53
docs citations

53
times ranked

5701
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison between dual-layer (superhydrophobic-hydrophobic) and single superhydrophobic layer electrospun membranes for heavy metal recovery by air-gap membrane distillation. <i>Desalination</i> , 2018, 439, 31-45.	4.0	40
2	Investigation of UF membranes fouling and potentials as pre-treatment step in desalination and surface water applications. <i>Desalination</i> , 2018, 432, 115-127.	4.0	39
3	<i>In vivo</i> comparison of jellyfish and bovine collagen sponges as prototype medical devices. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1524-1533.	1.6	53
4	Robust superhydrophobic electrospun membrane fabricated by combination of electrospinning and electro spraying techniques for air gap membrane distillation. <i>Desalination</i> , 2018, 446, 70-82.	4.0	83
5	Exploring the current state of play for cost-effective water treatment by membranes. <i>Npj Clean Water</i> , 2018, 1, .	3.1	20
6	Atomic force microscopy studies of bioprocess engineering surfaces – imaging, interactions and mechanical properties mediating bacterial adhesion. <i>Biotechnology Journal</i> , 2017, 12, 1600698.	1.8	34
7	Atomic force microscopy study of the biofouling and mechanical properties of virgin and industrially fouled reverse osmosis membranes. <i>Desalination</i> , 2017, 404, 313-321.	4.0	32
8	The fabrication of iron oxide nanoparticle-nanofiber composites by electrospinning and their applications in tissue engineering. <i>Biotechnology Journal</i> , 2017, 12, 1600693.	1.8	38
9	The antimicrobial effects of the alginate oligomer OligoG CF-5/20 are independent of direct bacterial cell membrane disruption. <i>Scientific Reports</i> , 2017, 7, 44731.	1.6	21
10	Modelling of air gap membrane distillation and its application in heavy metals removal. <i>Desalination</i> , 2017, 424, 27-36.	4.0	55
11	Superhydrophobic electrospun membrane for heavy metals removal by air gap membrane distillation (AGMD). <i>Desalination</i> , 2017, 420, 318-329.	4.0	119
12	Fabrication of antibacterial mixed matrix nanocomposite membranes using hybrid nanostructure of silver coated multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2017, 326, 721-736.	6.6	70
13	Engineering nanocomposite membranes: Addressing current challenges and future opportunities. <i>Desalination</i> , 2017, 401, 1-15.	4.0	91
14	In-situ synthesis of magnetic iron-oxide nanoparticle-nanofibre composites using electrospinning. <i>Materials Science and Engineering C</i> , 2017, 70, 512-519.	3.8	29
15	Atomic Force Microscopy of Biofilms – Imaging, Interactions, and Mechanics. , 2016, , .		11
16	A New Class of Safe Oligosaccharide Polymer Therapy To Modify the Mucus Barrier of Chronic Respiratory Disease. <i>Molecular Pharmaceutics</i> , 2016, 13, 863-872.	2.3	68
17	An investigation of <i>Pseudomonas aeruginosa</i> biofilm growth on novel nanocellulose fibre dressings. <i>Carbohydrate Polymers</i> , 2016, 137, 191-197.	5.1	60
18	MICROSCOPY Atomic Force Microscopy. , 2014, , 666-675.		4

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19	A Nanoscale Characterization of the Interaction of a Novel Alginate Oligomer with the Cell Surface and Motility of <i>Pseudomonas aeruginosa</i> . American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 483-492.	1.4	55
20	Alginate Oligosaccharides Inhibit Fungal Cell Growth and Potentiate the Activity of Antifungals against <i>Candida</i> and <i>Aspergillus</i> spp. PLoS ONE, 2014, 9, e112518.	1.1	70
21	The effect of alginate oligosaccharides on the mechanical properties of Gram-negative biofilms. Biofouling, 2013, 29, 413-421.	0.8	79
22	Single-walled carbon nanotubes: differential genotoxic potential associated with physico-chemical properties. Nanotoxicology, 2013, 7, 144-156.	1.6	46
23	Modification of Schottky interface by the inclusion of DNA interlayer to create metal / organic / inorganic structures. , 2012, , .		2
24	Characterisation and application of a novel positively charged nanofiltration membrane for the treatment of textile industry wastewaters. Water Research, 2012, 46, 33-42.	5.3	166
25	The role of iron redox state in the genotoxicity of ultrafine superparamagnetic iron oxide nanoparticles. Biomaterials, 2012, 33, 163-170.	5.7	129
26	Dextran Coated Ultrafine Superparamagnetic Iron Oxide Nanoparticles: Compatibility with Common Fluorometric and Colorimetric Dyes. Analytical Chemistry, 2011, 83, 3778-3785.	3.2	55
27	Positively charged nanofiltration membranes: Review of current fabrication methods and introduction of a novel approach. Advances in Colloid and Interface Science, 2011, 164, 12-20.	7.0	132
28	Application of AFM from microbial cell to biofilm. Scanning, 2010, 32, 134-149.	0.7	84
29	Morphology, Ultrastructure, and Small Subunit rDNA Phylogeny of the Marine Heterotrophic Flagellate <i>Goniomonas</i> aff. <i>amphinema</i> . Journal of Eukaryotic Microbiology, 2010, 57, 159-170.	0.8	15
30	Optimized sample preparation for high-resolution AFM characterization of fixed human cells. Journal of Microscopy, 2010, 240, 111-121.	0.8	29
31	Progesterone induces nano-scale molecular modifications on endometrial epithelial cell surfaces. Biology of the Cell, 2009, 101, 481-493.	0.7	24
32	NanoGenotoxicology: The DNA damaging potential of engineered nanomaterials. Biomaterials, 2009, 30, 3891-3914.	5.7	998
33	Measurement of polyphenol-membrane interaction forces during the ultrafiltration of black tea liquor. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 335, 148-153.	2.3	17
34	High-resolution imaging using a novel atomic force microscope and confocal laser scanning microscope hybrid instrument: essential sample preparation aspects. Histochemistry and Cell Biology, 2008, 130, 909-916.	0.8	34
35	FtsW Is a Dispensable Cell Division Protein Required for Z-Ring Stabilization during Sporulation Septation in <i>Streptomyces coelicolor</i> . Journal of Bacteriology, 2008, 190, 5555-5566.	1.0	47
36	Characterization of Changes to the Cell Surface during the Life Cycle of <i>Streptomyces coelicolor</i> : Atomic Force Microscopy of Living Cells. Journal of Bacteriology, 2007, 189, 2219-2225.	1.0	35

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37	Repeated in vitro subculturing alters spore surface properties and virulence of <i>Metarhizium anisopliae</i> . <i>FEMS Microbiology Letters</i> , 2007, 276, 60-66.	0.7	61
38	The application of atomic force microscopy force measurements to the characterisation of microbial surfaces. <i>Surface and Interface Analysis</i> , 2006, 38, 1419-1428.	0.8	64
39	Use of the atomic force microscope to determine the effect of substratum surface topography on the ease of bacterial removal. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006, 51, 44-53.	2.5	121
40	A study of the tensile properties of liquids in confined spaces using an atomic force microscope. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2003, 459, 2885-2908.	1.0	16
41	The measurement of <i>Bacillus mycoides</i> spore adhesion using atomic force microscopy, simple counting methods, and a spinning disk technique. <i>Biotechnology and Bioengineering</i> , 2002, 79, 170-179.	1.7	92
42	Atomic Force Microscopy Study of the Adhesion of <i>Saccharomyces cerevisiae</i> . <i>Journal of Colloid and Interface Science</i> , 2001, 237, 54-61.	5.0	148
43	Direct Quantification of <i>Aspergillus niger</i> Spore Adhesion in Liquid Using an Atomic Force Microscope. <i>Journal of Colloid and Interface Science</i> , 2000, 228, 428-433.	5.0	41
44	Direct quantification of <i>Aspergillus niger</i> spore adhesion to mica in air using an atomic force microscope. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 173, 205-210.	2.3	37
45	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 893-903.	1.1	83
46	An atomic force microscopy study of the adhesion of a silica sphere to a silica surface—effects of surface cleaning. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 157, 117-125.	2.3	81
47	The effects of electrostatic interactions on the rejection of colloids by membrane pores—visualisation and quantification. <i>Chemical Engineering Science</i> , 1999, 54, 369-375.	1.9	28
48	Ab Initio Prediction of the Performance of Membrane Separation Processes. <i>Comprehensive Chemical Kinetics</i> , 1999, 37, 523-541.	2.3	5
49	MICROSCOPY Atomic Force Microscopy, , 1999, , 1418-1425.		0
50	Direct Measurement of Interactions between Adsorbed Protein Layers Using an Atomic Force Microscope. <i>Journal of Colloid and Interface Science</i> , 1998, 197, 348-352.	5.0	86
51	Direct measurement of the force of adhesion of a single biological cell using an atomic force microscope. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 136, 231-234.	2.3	95
52	A new technique for membrane characterisation: direct measurement of the force of adhesion of a single particle using an atomic force microscope. <i>Journal of Membrane Science</i> , 1998, 139, 269-274.	4.1	96
53	Electrospinning of Functional Nanofibers for Regenerative Medicine: From Bench to Commercial Scale. , 0, , .		1