

Bi-min Zhang Newby

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9121296/publications.pdf>

Version: 2024-02-01

35
papers

1,223
citations

471477

17
h-index

395678

33
g-index

35
all docs

35
docs citations

35
times ranked

1839
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of adhesion on mesoscale indentation for determining moduli of hydrated materials. <i>Mechanics of Soft Materials</i> , 2022, 4, 1.	0.9	1
2	Surface Wettability of Cellulose Sponges on Effective Oil Uptake. <i>ACS Applied Bio Materials</i> , 2022, , .	4.6	1
3	Thermoresponsive Poly(vinyl methyl ether) (PVME) Retained by 3-Aminopropyltriethoxysilane (APTES) Network. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 7051-7060.	5.2	8
4	Natural Rubber Latex Foam Reinforced with Micro- and Nanofibrillated Cellulose via Dunlop Method. <i>Polymers</i> , 2020, 12, 1959.	4.5	42
5	Retention of poly(N -isopropylacrylamide) thin films on polycarbonate via polymer interdiffusion. <i>Journal of Polymer Science</i> , 2020, 58, 2728-2740.	3.8	1
6	Octadecyltrichlorosilane Incorporated Alginate Micro-granules as Sustained-Release Carriers for Small Hydrophilic Molecules. <i>Current Drug Delivery</i> , 2020, 17, 333-342.	1.6	5
7	Zosteric Acid, a Bioactive Component in Eelgrass <i>Zostera marina</i> , Reduced Collagen I Expression in a Repaired Mouse Fibroblast Scratch. <i>Natural Product Communications</i> , 2019, 14, 1934578X1985071.	0.5	0
8	Layer-by-layer polyelectrolyte coating of alginate microgels for sustained release of sodium benzoate and zosteric acid. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 46-54.	3.0	19
9	Synergistic effect of pH and oxalate concentration on corrosion of aluminium alloy 2024-T3. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 413-421.	1.4	4
10	Retention of poly(N -isopropylacrylamide) on 3-aminopropyltriethoxysilane. <i>Biointerphases</i> , 2017, 12, 02C405.	1.6	6
11	Alignment of inducible vascular progenitor cells on a micro-bundle scaffold improves cardiac repair following myocardial infarction. <i>Basic Research in Cardiology</i> , 2017, 112, 41.	5.9	14
12	Surface immobilization of thermo-responsive poly(N-isopropylacrylamide) by simple entrapment in a 3-aminopropyltriethoxysilane network. <i>Polymer</i> , 2016, 101, 139-150.	3.8	27
13	Corrosion of aluminum alloy 2024 caused by <i>Aspergillus niger</i> . <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 1-10.	3.9	68
14	Amino Acid-Based Zwitterionic Polymer Surfaces Highly Resist Long-Term Bacterial Adhesion. <i>Langmuir</i> , 2016, 32, 7866-7874.	3.5	38
15	Cross-linked polystyrene sulfonic acid and polyethylene glycol as a low-fouling material. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 140, 514-522.	5.0	11
16	Influence of tube wettability on water contact angle of powders determined by capillary rise. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 492, 79-87.	4.7	16
17	Techniques for determining contact angle and wettability of powders. <i>Powder Technology</i> , 2016, 287, 201-215.	4.2	234
18	Modification of bacterial cellulose with organosilanes to improve attachment and spreading of human fibroblasts. <i>Cellulose</i> , 2015, 22, 2311-2324.	4.9	58

#	ARTICLE	IF	CITATIONS
19	Dewetting based fabrication of fibrous micro-scaffolds as potential injectable cell carriers. <i>Materials Science and Engineering C</i> , 2015, 48, 663-672.	7.3	6
20	Applicability of the extended Derjaguinâ€“Landauâ€“Verweyâ€“Overbeek theory on the adsorption of bovine serum albumin on solid surfaces. <i>Biointerfaces</i> , 2014, 9, 041006.	1.6	13
21	Corrosion of carbon steel C1010 in the presence of iron oxidizing bacteria <i>Acidithiobacillus ferrooxidans</i> . <i>Corrosion Science</i> , 2014, 89, 250-257.	6.6	88
22	In vitro behaviors of rat mesenchymal stem cells on bacterial celluloses with different moduli. <i>Materials Science and Engineering C</i> , 2014, 38, 263-271.	7.3	11
23	Effect of rhamnolipids on initial attachment of bacteria on glass and octadecyltrichlorosilane-modified glass. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 103, 121-128.	5.0	33
24	Effects of shear on initial bacterial attachment in slow flowing systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 32-39.	5.0	27
25	Applicability of Washburn capillary rise for determining contact angles of powders/porous materials. <i>Journal of Colloid and Interface Science</i> , 2013, 397, 169-176.	9.4	96
26	Evaluation of the natural product antifoulant, zosteric acid, for preventing the attachment of quagga mussels â€“ a preliminary study. <i>Natural Product Research</i> , 2012, 26, 580-584.	1.8	9
27	Rapid cell sheet detachment using spin-coated pNIPAAm films retained on surfaces by an aminopropyltriethoxysilane network. <i>Acta Biomaterialia</i> , 2012, 8, 2559-2567.	8.3	53
28	Initial bacterial attachment in slow flowing systems: Effects of cell and substrate surface properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 415-422.	5.0	61
29	Fracture-induced formation of parallel silicone strips. <i>Journal of Materials Research</i> , 2010, 25, 803-809.	2.6	8
30	Self-Assembling of Polymer-Enzyme Conjugates at Oil/Water Interfaces. <i>Biotechnology Progress</i> , 2008, 21, 1321-1328.	2.6	16
31	Suppress polystyrene thin film dewetting by modifying substrate surface with aminopropyltriethoxysilane. <i>Surface Science</i> , 2006, 600, 1391-1404.	1.9	45
32	Incorporation of benzoic acid and sodium benzoate into silicone coatings and subsequent leaching of the compound from the incorporated coatings. <i>Progress in Organic Coatings</i> , 2006, 56, 135-145.	3.9	49
33	Underwater Adhesion Measurements using the JKR Technique. <i>Journal of Adhesion</i> , 2006, 82, 713-730.	3.0	15
34	Micrometer-Scaled Gradient Surfaces Generated Using Contact Printing of Octadecyltrichlorosilane. <i>Langmuir</i> , 2003, 19, 7427-7435.	3.5	112
35	Alternative Method for Determining Surface Energy by Utilizing Polymer Thin Film Dewetting. <i>Langmuir</i> , 2003, 19, 1419-1428.	3.5	28