

Zhiguang Li

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

490
citations

687363

13
h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytocompatible quaternized carboxymethyl chitosan/poly(vinyl alcohol) blend film loaded copper for antibacterial application. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 992-998.	7.5	61
2	Dynamic effects and adhesion of water droplet impact on hydrophobic surfaces: bouncing or sticking. <i>Nanoscale</i> , 2017, 9, 8249-8255.	5.6	52
3	Preparation and characterization of PHB/PBAT-based biodegradable antibacterial hydrophobic nanofibrous membranes. <i>Polymers for Advanced Technologies</i> , 2018, 29, 481-489.	3.2	41
4	Tailored synthesis of polymer-brush-grafted mesoporous silicas with N-halamine and quaternary ammonium groups for antimicrobial applications. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 604-611.	9.4	38
5	Preparation of antimicrobial and hemostatic cotton with modified mesoporous particles for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 199-206.	5.0	34
6	Hydrophobic N-halamine based POSS block copolymer porous films with antibacterial and resistance of bacterial adsorption performances. <i>Chemical Engineering Journal</i> , 2021, 410, 128407.	12.7	31
7	Tuning the surface hydrophobicity of honeycomb porous films fabricated by star-shaped POSS-fluorinated acrylates polymer via breath-figure-templated self-assembly. <i>Materials and Design</i> , 2016, 96, 1-9.	7.0	30
8	Layer-by-Layer Self-assembly of Organic-inorganic Hybrid Intumescent Flame Retardant on Cotton Fabrics. <i>Fibers and Polymers</i> , 2019, 20, 538-544.	2.1	30
9	Synthesis of star-shaped polyhedral oligomeric silsesquioxane (POSS) fluorinated acrylates for hydrophobic honeycomb porous film application. <i>Colloid and Polymer Science</i> , 2014, 292, 1531-1544.	2.1	28
10	Morphology and wettability control of honeycomb porous films of amphiphilic fluorinated pentablock copolymers via breath figure method. <i>RSC Advances</i> , 2014, 4, 49655-49662.	3.6	26
11	Static and Dynamic Hydrophobic Properties of Honeycomb Structured Films via Breath Figure Method. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18659-18664.	3.1	17
12	Honeycomb porous films of pentablock copolymer on liquid substrates via breath figure method and their hydrophobic properties with static and dynamic behaviour. <i>RSC Advances</i> , 2015, 5, 21084-21089.	3.6	15
13	Functionalization of PET fabric via silicone based organic-inorganic hybrid coating. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 430-437.	5.8	14
14	Aggregation behavior of star-shaped fluoropolymers containing polyhedral oligomeric silsesquioxane (POSS) at the air-water interface. <i>Colloid and Polymer Science</i> , 2017, 295, 157-170.	2.1	13
15	Antibacterial films with enhanced physical properties based on poly(vinyl alcohol) and halogen aminated-graphene oxide. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48176.	2.6	9
16	N-halamine modified mesoporous silica coated cotton as multipurpose protective fibrous materials. <i>Cellulose</i> , 2020, 27, 10461-10471.	4.9	8
17	Interfacial rheology and aggregation behaviour of amphiphilic CBABC-type pentablock copolymers at the air-water interface: effects of block ratio and chain length. <i>RSC Advances</i> , 2015, 5, 82869-82878.	3.6	7
18	Synthesis and thermal decomposition kinetics of poly(methyl methacrylate)- <i>b</i> -poly(styrene) block copolymers. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 691-706.	4.2	7

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19	Adhesive and repulsive properties of water droplet impact on honeycomb surfaces through breath figure method. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45476.	2.6	6
20	The surface morphology and dynamic impact properties with rebounding and splashing of water droplet on phase separation and breath figure assisted electrospinning films. <i>Designed Monomers and Polymers</i> , 2021, 24, 164-174.	1.6	6
21	Influence of a rigid polystyrene block on the free volume and ionic conductivity of a gel polymer electrolyte based on poly(methyl methacrylate)- <i>block</i> -polystyrene. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	5
22	Antibacterial PET Fabrics Modified with Quaternary Ammonium Functionalized Hyperbranched Polymers via Electron Beam Radiation. <i>Fibers and Polymers</i> , 2020, 21, 2285-2291.	2.1	5
23	Dynamic hydrophobic behavior of water droplets impact on the cotton fabrics coated with POSS block copolymer. <i>Cellulose</i> , 2020, 27, 1705-1716.	4.9	4
24	Formation of Hierarchical Porous Structure via Breath Figure Method. <i>Advances in Condensed Matter Physics</i> , 2018, 2018, 1-6.	1.1	3