

Kristina Ivanova

List of Publications by Year in descending order

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30
papers

998
citations

516710

16
h-index

552781

26
g-index

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all docs

30
docs citations

30
times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	Quorum-Quenching and Matrix-Degrading Enzymes in Multilayer Coatings Synergistically Prevent Bacterial Biofilm Formation on Urinary Catheters. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27066-27077.	8.0	128
2	Enzyme multilayer coatings inhibit <i>Pseudomonas aeruginosa</i> biofilm formation on urinary catheters. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 4373-4385.	3.6	92
3	Bacteria-responsive multilayer coatings comprising polycationic nanospheres for bacteria biofilm prevention on urinary catheters. <i>Acta Biomaterialia</i> , 2016, 33, 203-212.	8.3	84
4	Strategies to prevent the occurrence of resistance against antibiotics by using advanced materials. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2075-2089.	3.6	69
5	Novel Lignin-Capped Silver Nanoparticles against Multidrug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22098-22109.	8.0	67
6	Layer-By-Layer Decorated Nanoparticles with Tunable Antibacterial and Antibiofilm Properties against Both Gram-Positive and Gram-Negative Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 3314-3323.	8.0	66
7	Layer-By-Layer Coating of Aminocellulose and Quorum Quenching Acylase on Silver Nanoparticles Synergistically Eradicate Bacteria and Their Biofilms. <i>Advanced Functional Materials</i> , 2020, 30, 2001284.	14.9	63
8	Antibacterial Polyurethane Foams with Incorporated Lignin-Capped Silver Nanoparticles for Chronic Wound Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4504-4514.	3.7	54
9	Nanotransformation of Vancomycin Overcomes the Intrinsic Resistance of Gram-Negative Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15022-15030.	8.0	53
10	Nanoparticle-driven self-assembling injectable hydrogels provide a multi-factorial approach for chronic wound treatment. <i>Acta Biomaterialia</i> , 2021, 134, 131-143.	8.3	42
11	Cellobiose dehydrogenase functionalized urinary catheter as novel antibiofilm system. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1448-1456.	3.4	34
12	Multifunctional ZnO NPs-chitosan-gallic acid hybrid nanocoating to overcome contact lenses associated conditions and discomfort. <i>Journal of Colloid and Interface Science</i> , 2019, 543, 114-121.	9.4	33
13	Bottom-up Layer-by-Layer Assembling of Antibacterial Freestanding Nanobiocomposite Films. <i>Biomacromolecules</i> , 2018, 19, 3628-3636.	5.4	29
14	Antibody-Enabled Antimicrobial Nanocapsules for Selective Elimination of <i>Staphylococcus aureus</i> . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35918-35927.	8.0	28
15	<i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> eradication by nano-penicillin G. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2061-2069.	3.3	24
16	Electrical Evaluation of Bacterial Virulence Factors Using Nanopores. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13140-13146.	8.0	23
17	Innovative Approaches for Controlling Clinically Relevant Biofilms: Current Trends and Future Prospects. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 1889-1914.	2.1	17
18	Immobilization of antimicrobial core-shell nanospheres onto silicone for prevention of <i>Escherichia coli</i> biofilm formation. <i>Process Biochemistry</i> , 2017, 59, 116-122.	3.7	15

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19	Interaction of Silver-Lignin Nanoparticles With Mammalian Mimetic Membranes. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 439.	4.1	15
20	Sonochemically engineered nano-enabled zinc oxide/amylase coatings prevent the occurrence of catheter-associated urinary tract infections. <i>Materials Science and Engineering C</i> , 2021, 131, 112518.	7.3	14
21	Targeting Intracellular Mycobacteria Using Nanosized Niosomes Loaded with Antibacterial Agents. <i>Nanomaterials</i> , 2021, 11, 1984.	4.1	9
22	Nano-Formulation Endows Quorum Quenching Enzyme-Antibiotic Hybrids with Improved Antibacterial and Antibiofilm Activities against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 7632.	4.1	9
23	Innovative Approaches for Controlling Clinically Relevant Biofilms: Current Trends and Future Prospects. <i>Current Topics in Medicinal Chemistry</i> , 2017, , .	2.1	8
24	Antibacterial, Antibiofilm, and Antiviral Farnesol-Containing Nanoparticles Prevent <i>Staphylococcus aureus</i> from Drug Resistance Development. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7527.	4.1	6
25	Simultaneous Ultrasound-Assisted Hybrid Polyzwitterion/Antimicrobial Peptide Nanoparticles Synthesis and Deposition on Silicone Urinary Catheters for Prevention of Biofilm-Associated Infections. <i>Nanomaterials</i> , 2021, 11, 3143.	4.1	5
26	Strategies for Silencing Bacterial Communication. , 2015, , 197-216.		3
27	Inhibition of Quorum-Sensing: A New Paradigm in Controlling Bacterial Virulence and Biofilm Formation. , 2018, , 3-21.		3
28	Antibacterial Coatings on Medical Devices. , 2018, , 487-507.		2
29	Smart Sensing Fabrics for Live Bacteria Detection. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	2
30	Antimicrobial lightweight materials and components. , 2021, , 469-502.		1