Zeinab Hosseini-Doust

List of Publications by Year
in descending order

33 papers	1,528 citations	430874 18 h-index	414414 32 g-index

35 all docs	35 docs citations	35 times ranked	2833 citing authors

#	Article	IF	Citations
1	A New Label-Free Technique for Analysing Evaporation Induced Self-Assembly of Viral Nanoparticles Based on Enhanced Dark-Field Optical Imaging. Nanomaterials, 2018, 8, 1.	4.1	379
2	Cellulose nanocrystals with tunable surface charge for nanomedicine. Nanoscale, 2015, 7, 16647-16657.	5.6	94
3	Liposomes for Antibiotic Encapsulation and Delivery. ACS Infectious Diseases, 2020, 6, 896-908.	3.8	86
4	Phage Therapy with a focus on the Human Microbiota. Antibiotics, 2019, 8, 131.	3.7	83
5	Hierarchically porous, ultra-strong reduced graphene oxide-cellulose nanocrystal sponges for exceptional adsorption of water contaminants. Nanoscale, 2018, 10, 7171-7184.	5.6	75
6	Formation of biofilms under phage predation: considerations concerning a biofilm increase. Biofouling, 2013, 29, 457-468.	2.2	74
7	Evolution of Pseudomonas aeruginosa Virulence as a Result of Phage Predation. Applied and Environmental Microbiology, 2013, 79, 6110-6116.	3.1	74
8	Liposomal Nanovesicles for Efficient Encapsulation of Staphylococcal Antibiotics. ACS Omega, 2019, 4, 10866-10876.	3.5	71
9	Going viral: Designing bioactive surfaces with bacteriophage. Colloids and Surfaces B: Biointerfaces, 2014, 124, 2-16.	5.0	69
10	Bacterial Capture Efficiency and Antimicrobial Activity of Phage-Functionalized Model Surfaces. Langmuir, 2011, 27, 5472-5480.	3.5	62
11	Polyphenolic Extract from Maple Syrup Potentiates Antibiotic Susceptibility and Reduces Biofilm Formation of Pathogenic Bacteria. Applied and Environmental Microbiology, 2015, 81, 3782-3792.	3.1	62
12	Predation in Homogeneous and Heterogeneous Phage Environments Affects Virulence Determinants of Pseudomonas aeruginosa. Applied and Environmental Microbiology, 2013, 79, 2862-2871.	3.1	51
13	Alkaloids Modulate Motility, Biofilm Formation and Antibiotic Susceptibility of Uropathogenic Escherichia coli. PLoS ONE, 2014, 9, e112093.	2.5	39
14	Investigating electrochemical removal of bacterial biofilms from stainless steel substrates. Colloids and Surfaces B: Biointerfaces, 2014, 117, 152-157.	5.0	39
15	Long-Term Preservation of Bacteriophage Antimicrobials Using Sugar Glasses. ACS Biomaterials Science and Engineering, 2018, 4, 3802-3808.	5.2	35
16	Biofunctional Lubricant-Infused Vascular Grafts Functionalized with Silanized Bio-Inks Suppress Thrombin Generation and Promote Endothelialization. ACS Biomaterials Science and Engineering, 2019, 5, 6485-6496.	5.2	32
17	One-pot green synthesis of anisotropic silver nanoparticles. Environmental Science: Nano, 2016, 3, 1259-1264.	4.3	21
18	Emerging investigator series: bacteriophages as nano engineering tools for quality monitoring and pathogen detection in water and wastewater. Environmental Science: Nano, 2021, 8, 367-389.	4.3	21

#	Article	IF	Citations
19	Polysiloxane Nanofilaments Infused with Silicone Oil Prevent Bacterial Adhesion and Suppress Thrombosis on Intranasal Splints. ACS Biomaterials Science and Engineering, 2021, 7, 541-552.	5.2	21
20	Hierarchically Structured, Self-Healing, Fluorescent, Bioactive Hydrogels with Self-Organizing Bundles of Phage Nanofilaments. Chemistry of Materials, 2019, 31, 5442-5449.	6.7	19
21	Effects of Environmental and Clinical Interferents on the Host Capture Efficiency of Immobilized Bacteriophages. Langmuir, 2014, 30, 3184-3190.	3.5	18
22	Antibiotic-Impregnated Liquid-Infused Coatings Suppress the Formation of Methicillin-Resistant Staphylococcus aureus Biofilms. ACS Applied Materials & Interfaces, 2021, 13, 27774-27783.	8.0	18
23	Preserving the Efficacy of Glycopeptide Antibiotics during Nanoencapsulation in Liposomes. ACS Infectious Diseases, 2019, 5, 1794-1801.	3.8	15
24	Filamentous Phages as Building Blocks for Bioactive Hydrogels. ACS Applied Bio Materials, 2021, 4, 2262-2273.	4.6	14
25	Phage-Mediated Gene Therapy. Current Gene Therapy, 2017, 17, 120-126.	2.0	12
26	Long-Term Antimicrobial Activity of Phageâ€“Sugar Glasses is Closely Tied to the Processing Conditions. ACS Omega, 2018, 3, 18295-18303.	3.5	10
27	Enhancing osseointegration and mitigating bacterial biofilms on medical-grade titanium with chitosan-conjugated liquid-infused coatings. Scientific Reports, 2022, 12, 5380.	3.3	10
28	Inducing Microscale Structural Order in Phage Nanofilament Hydrogels with Globular Proteins. ACS Biomaterials Science and Engineering, 2022, 8, 340-347.	5.2	9
29	Bacteria survival probability in bactericidal filter paper. Colloids and Surfaces B: Biointerfaces, 2014, 117, 383-388.	5.0	5
30	Water-Soluble Anionic Polychloramide Biocides Based on Maleic Anhydride Copolymers. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112487.	5.0	4
31	Bacteria repellent protein hydrogel decorated with tunable, isotropic, nano-on-micro hierarchical microbump array. Chemical Communications, 2021, 57, 10883-10886.	4.1	3
32	Bacteriophageâ€built gels as platforms for biomedical applications. Canadian Journal of Chemical Engineering, 2022, 100, 2191-2203.	1.7	2
33	Regenerating heavily biofouled dissolved oxygen sensors using bacterial viruses. RSC Advances, 2021, 11, 8346-8355.	3.6	0