

Wei Bing

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,367
citations

471509

17
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1828
citing authors

#	ARTICLE	IF	CITATIONS
1	A biodegradable and near-infrared light-activatable photothermal nanoconverter for bacterial inactivation. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3834-3840.	5.8	13
2	Bioinspired marine antifouling coatings: Status, prospects, and future. <i>Progress in Materials Science</i> , 2022, 124, 100889.	32.8	181
3	A DNase-mimetic artificial enzyme for the eradication of drug-resistant bacterial biofilm infections. <i>Nanoscale</i> , 2022, 14, 2676-2685.	5.6	16
4	Toward the Application of Graphene for Combating Marine Biofouling. <i>Advanced Sustainable Systems</i> , 2021, 5, .	5.3	27
5	An antiadhesion and antibacterial platform based on parylene F coatings. <i>Progress in Organic Coatings</i> , 2021, 151, 106021.	3.9	7
6	Catalytic asymmetric hydrogenation reaction by <i>in situ</i> formed ultra-fine metal nanoparticles in live thermophilic hydrogen-producing bacteria. <i>Nanoscale</i> , 2021, 13, 8024-8029.	5.6	5
7	Topographical nanostructures for physical sterilization. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1376-1389.	5.8	17
8	Antifouling Technology Trends in Marine Environmental Protection. <i>Journal of Bionic Engineering</i> , 2021, 18, 239-263.	5.0	48
9	Gaseous Plastron on Natural and Biomimetic Surfaces for Resisting Marine Biofouling. <i>Molecules</i> , 2021, 26, 2592.	3.8	12
10	Small Structure, Large Effect: Functional Surfaces Inspired by <i>Salvinia</i> Leaves. <i>Small Structures</i> , 2021, 2, 2100079.	12.0	29
11	Exploring the antifouling performance of non-bactericidal and bactericidal film for combating marine biofouling. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 126, 270-277.	5.3	6
12	A synergistic antibacterial platform: combining mechanical and photothermal effects based on Van-MoS ₂ @Au nanocomposites. <i>Nanotechnology</i> , 2021, 32, 085102.	2.6	7
13	Novel Anti-fouling Strategies of Live and Dead Soft Corals (<i>Sarcophyton trocheliophorum</i>): Combined Physical and Chemical Mechanisms. <i>Journal of Bionic Engineering</i> , 2020, 17, 677-685.	5.0	5
14	Bioinspired PDMS@Phosphor@Silicone Rubber Sandwich Structure Coatings for Combating Biofouling. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901577.	3.7	28
15	Combined Effects of Color and Elastic Modulus on Antifouling Performance: A Study of Graphene Oxide/Silicone Rubber Composite Membranes. <i>Materials</i> , 2019, 12, 2608.	2.9	22
16	Antifouling performance and mechanism of elastic graphene@silicone rubber composite membranes. <i>Journal of Materials Chemistry B</i> , 2019, 7, 488-497.	5.8	43
17	Biofouling: Bio-Inspired Non-Bactericidal Coating Used for Antibiofouling (<i>Adv. Mater. Technol.</i> 2/2019). <i>Advanced Materials Technologies</i> , 2019, 4, 1970014.	5.8	2
18	Exploring the antifouling effect of elastic deformation by DEM@CFD coupling simulation. <i>RSC Advances</i> , 2019, 9, 40855-40862.	3.6	6

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19	Bioinspired Non-Bactericidal Coating Used for Antibiofouling. <i>Advanced Materials Technologies</i> , 2019, 4, 1800480.	5.8	22
20	Hydrogen-producing hyperthermophilic bacteria synthesized size-controllable fine gold nanoparticles with excellence for eradicating biofilm and antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4602-4609.	5.8	41
21	A H ₂ O ₂ -free depot for treating bacterial infection: localized cascade reactions to eradicate biofilms <i>in vivo</i> . <i>Nanoscale</i> , 2018, 10, 17656-17662.	5.6	39
22	Chemically individual armoured bioreporter bacteria used for the <i>in vivo</i> sensing of ultra-trace toxic metal ions. <i>Chemical Communications</i> , 2017, 53, 8415-8418.	4.1	6
23	Versatile Dual Photoresponsive System for Precise Control of Chemical Reactions. <i>ACS Nano</i> , 2017, 11, 7770-7780.	14.6	55
24	Programmed Bacteria Death Induced by Carbon Dots with Different Surface Charge. <i>Small</i> , 2016, 12, 4713-4718.	10.0	202
25	A Multinuclear Metal Complex Based DNase-Mimetic Artificial Enzyme: Matrix Cleavage for Combating Bacterial Biofilms. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10732-10736.	13.8	202
26	A Multinuclear Metal Complex Based DNase-Mimetic Artificial Enzyme: Matrix Cleavage for Combating Bacterial Biofilms. <i>Angewandte Chemie</i> , 2016, 128, 10890-10894.	2.0	36
27	Mussel Byssus-Like Reversible Metal-Chelated Supramolecular Complex Used for Dynamic Cellular Surface Engineering and Imaging. <i>Advanced Functional Materials</i> , 2015, 25, 3775-3784.	14.9	85
28	<i>Caldicellulosiruptor changbaiensis</i> sp. nov., a cellulolytic and hydrogen-producing bacterium from a hot spring. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 293-297.	1.7	24
29	Visible-light-driven enhanced antibacterial and biofilm elimination activity of graphitic carbon nitride by embedded Ag nanoparticles. <i>Nano Research</i> , 2015, 8, 1648-1658.	10.4	179
30	Bacterial adhesion properties of parylene C and D deposited on polydimethylsiloxane. <i>New Journal of Chemistry</i> , 0, , .	2.8	2