Changhao Wang

List of Publications by Year
in descending order

37 papers	808 citations	623734 14 h-index	501196 28 g-index
41 all docs	41 docs citations	41 times ranked	851 citing authors

#	Article	IF	Citations
1	Construction of multifunctional micro-patterned PALNMA/PDADMAC/PEGDA hydrogel and intelligently responsive antibacterial coating HA/BBR on Mg alloy surface for orthopedic application. Materials Science and Engineering C, 2022, 132, 112636.	7.3	9
2	Rational design of dual-functional surfaces on polypropylene with antifouling and antibacterial performances via a micropatterning strategy. Journal of Materials Chemistry B, 2022, 10, 3759-3769.	5.8	4
3	Functional composite hydrogels entrapping polydopamine hollow nanoparticles for highly efficient resistance of skin penetration and photoprotection. Materials Science and Engineering C, 2021, 128, 112346.	7.3	7
4	Construction of photoresponsive azobenzene-decorated cationic surfactant-based self-assembled vesicles and controlled drug release. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127711.	4.7	4
5	An ATPâ€“Cu(<scp>ii</scp>) catalyst efficiently catalyzes enantioselective Michael reactions in water. Green Chemistry, 2021, 23, 9876-9880.	9.0	4
6	Highly Efficient Cyclic Dinucleotide Based Artificial Metalloribozymes for Enantioselective Friedelâ€“Crafts Reactions in Water. Angewandte Chemie, 2020, 132, 3472-3477.	2.0	1
7	Hydrothermal growth of hydroxyapatite and ZnO bilayered nanoarrays on magnesium alloy surface with antibacterial activities. Frontiers of Materials Science, 2020, 14, 14-23.	2.2	9
8	Highly Efficient Cyclic Dinucleotide Based Artificial Metalloribozymes for Enantioselective Friedelâ€“Crafts Reactions in Water. Angewandte Chemie - International Edition, 2020, 59, 3444-3449.	13.8	8
9	Construction of cinnamic acids derived Î²-cyclodextrins and their emodin-based inclusions with enhanced water solubility, excellent antioxidant and antibacterial activities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125382.	4.7	6
10	A Cu(II)â€“ATP complex efficiently catalyses enantioselective Dielsâ€“Alder reactions. Nature Communications, 2020, 11, 4792.	12.8	13
11	An Efficient Cyclic Diâ€AMP Based Artificial Metalloribozyme for Enantioselective Dielsâ€“Alder Reactions. European Journal of Organic Chemistry, 2020, 2020, 4417-4424.	2.4	3
12	Rational Design of PMPC/PDMC/PEGDA Hydrogel Micropatterns onto Polylactic Acid with Enhanced Biological Activity. ACS Biomaterials Science and Engineering, 2020, 6, 3799-3810.	5.2	6
13	Solvent dispersion triggered the formation of NiFe-gel as an efficient electrocatalyst for enhancing the oxygen evolution reaction. Chemical Communications, 2020, 56, 7781-7784.	4.1	13
14	Elastic, Persistently Moisture-Retentive, and Wearable Biomimetic Film Inspired by Fetal Scarless Repair for Promoting Skin Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 5542-5556.	8.0	32
15	A multifunctional hybrid inorganic-organic coating fabricated on magnesium alloy surface with antiplatelet adhesion and antibacterial activities. Surface and Coatings Technology, 2020, 384, 125336.	4.8	13
16	Injectable Enzymeâ€Based Hydrogel Matrix with Precisely Oxidative Stress Defense for Promoting Dermal Repair of Burn Wound. Macromolecular Bioscience, 2020, 20, e2000036.	4.1	16
17	Fabrication of PMPC/PTM/PEGDA micropatterns onto polypropylene films behaving with dual functions of antifouling and antimicrobial activities. Journal of Materials Chemistry B, 2019, 7, 5078-5088.	5.8	14
18	Chemical synthesis, purification, and characterization of 3â€²-5â€²-linked canonical cyclic dinucleotides (CDNs). Methods in Enzymology, 2019, 625, 41-59.	1.0	6

#	Article	IF	Citations
19	Polyelectrolytes fabrication on magnesium alloy surface by layer-by-layer assembly technique with antiplatelet adhesion and antibacterial activities. Journal of Coatings Technology Research, 2019, 16, 857-868.	2.5	8
20	Abrasiveness evaluation of rockâ€“cone bit based on fractured cuttings. Journal of Petroleum Exploration and Production, 2019, 9, 2729-2736.	2.4	0
21	Effect of Carrier Lipophilicity and Preparation Method on the Properties of Andrographolideâ€“Solid Dispersion. Pharmaceutics, 2019, 11, 74.	4.5	16
22	Widespread bacterial lysine degradation proceeding via glutarate and L-2-hydroxyglutarate. Nature Communications, 2018, 9, 5071.	12.8	65
23	Construction of Crowning Î²-cyclodextrin with Temperature Response and Efficient Properties of Hostâ€“Guest Inclusion. Langmuir, 2018, 34, 11567-11574.	3.5	13
24	Identification of New FLT3 Inhibitors That Potently Inhibit AML Cell Lines via an Azo Click-It/Staple-It Approach. ACS Medicinal Chemistry Letters, 2017, 8, 492-497.	2.8	16
25	Synthesis of All Possible Canonical (3â€²â€“5â€²-Linked) Cyclic Dinucleotides and Evaluation of Riboswitch Interactions and Immune-Stimulatory Effects. Journal of the American Chemical Society, 2017, 139, 16154-16160.	13.7	43
26	Alkyne-substituted diminazene as G-quadruplex binders with anticancer activities. European Journal of Medicinal Chemistry, 2016, 118, 266-275.	5.5	23
27	Higherâ€Order Human Telomeric Gâ€Quadruplex DNA Metalloenzymes Enhance Enantioselectivity in the Dielsâ€“Alder Reaction. ChemBioChem, 2015, 16, 618-624.	2.6	22
28	Terpyridineâ€“Cu(<scp>ii</scp>) targeting human telomeric DNA to produce highly stereospecific G-quadruplex DNA metalloenzyme. Chemical Science, 2015, 6, 5578-5585.	7.4	47
29	Higher-order human telomeric G-quadruplex DNA metalloenzyme catalyzed Dielsâ€“Alder reaction: an unexpected inversion of enantioselectivity modulated by K⁺ and NH₄⁺ ions. Chemical Communications, 2015, 51, 13174-13177.	4.1	23
30	Na+/K+ switch of enantioselectivity in G-quadruplex DNA-based catalysis. Chemical Communications, 2013, 49, 11161.	4.1	48
31	Enantioselective Michael addition reactions in water using a DNA-based catalyst. Tetrahedron, 2013, 69, 6585-6590.	1.9	50
32	DNA Catalyzed Dithioacetalization in Water. Acta Chimica Sinica, 2013, 71, 36.	1.4	3
33	The fabrication and UV photosensitive characteristics of Al/ZnO/Ag Schottky barrier diode. , 2012, , .		0
34	Gas-sens characteristics research of Al/CuPc/Cu Schottky diode. , 2012, , .		2
35	Enantioselective Friedelâ€“Crafts reactions in water catalyzed by a human telomeric G-quadruplex DNA metalloenzyme. Chemical Communications, 2012, 48, 6232.	4.1	106
36	Enantioselective Dielsâ€“Alder Reactions with Gâ€Quadruplex DNAâ€Based Catalysts. Angewandte Chemie - International Edition, 2012, 51, 9352-9355.	13.8	128

#	Article	IF	Citations
37	Fabrication and characteristics of sub-micrometer vertical type organic semiconductor copper phthalocyanine thin film transistor. , 2012, , .		1