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	Enantioselective Dielsâ€“Alder Reactions with Gâ€Quadruplex DNAâ€Based Catalysts. Angewandte Chemie - International Edition, 2012, 51, 9352-9355.	13.8	128
2	Enantioselective Friedelâ€“Crafts reactions in water catalyzed by a human telomeric G-quadruplex DNA metalloenzyme. Chemical Communications, 2012, 48, 6232.	4.1	106
3	Widespread bacterial lysine degradation proceeding via glutarate and L-2-hydroxyglutarate. Nature Communications, 2018, 9, 5071.	12.8	65
4	Enantioselective Michael addition reactions in water using a DNA-based catalyst. Tetrahedron, 2013, 69, 6585-6590.	1.9	50
5	Na+/K+ switch of enantioselectivity in G-quadruplex DNA-based catalysis. Chemical Communications, 2013, 49, 11161.	4.1	48
6	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
7	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
8	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
9	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
10	Alkyne-substituted diminazene as G-quadruplex binders with anticancer activities. European Journal of Medicinal Chemistry, 2016, 118, 266-275.	5.5	23
11	Higherâ€Order Human Telomeric Gâ€Quadruplex DNA Metalloenzymes Enhance Enantioselectivity in the Dielsâ€“Alder Reaction. ChemBioChem, 2015, 16, 618-624.	2.6	22
12	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
13	Effect of Carrier Lipophilicity and Preparation Method on the Properties of Andrographolideâ€“Solid Dispersion. Pharmaceutics, 2019, 11, 74.	4.5	16
14	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
15	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
16	Construction of Crowning Î²-cyclodextrin with Temperature Response and Efficient Properties of Hostâ€“Guest Inclusion. Langmuir, 2018, 34, 11567-11574.	3.5	13
17	A Cu(II)â€“ATP complex efficiently catalyses enantioselective Dielsâ€“Alder reactions. Nature Communications, 2020, 11, 4792.	12.8	13
18	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

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	An ATPâ€“Cu(<scp>ii</scp>) catalyst efficiently catalyzes enantioselective Michael reactions in water. Green Chemistry, 2021, 23, 9876-9880.	9.0	4
30	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
31	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
32	DNA Catalyzed Dithioacetalization in Water. Acta Chimica Sinica, 2013, 71, 36.	1.4	3
33	Gas-sens characteristics research of Al/CuPc/Cu Schottky diode. , 2012, , .		2
34	Fabrication and characteristics of sub-micrometer vertical type organic semiconductor copper phthalocyanine thin film transistor. , 2012, , .		1
35	Highly Efficient Cyclic Dinucleotide Based Artificial Metalloribozymes for Enantioselective Friedelâ€“Crafts Reactions in Water. Angewandte Chemie, 2020, 132, 3472-3477.	2.0	1
36	The fabrication and UV photosensitive characteristics of Al/ZnO/Ag Schottky barrier diode. , 2012, , .		0

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37	Abrasiveness evaluation of rockâ€“cone bit based on fractured cuttings. Journal of Petroleum Exploration and Production, 2019, 9, 2729-2736.	2.4	0