

Shian Zhong

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,114
citations

393982

19
h-index

476904

29
g-index

55
all docs

55
docs citations

55
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of the Rnase activity of CRISPR-Cas12a and its distinguishing cleavage efficiency on various substrates. <i>Chemical Communications</i> , 2022, 58, 2540-2543.	2.2	8
2	A natural selenium polysaccharide from <i>Pleurotus ostreatus</i> : Structural elucidation, anti-gastric cancer and anti-colon cancer activity in vitro. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 630-640.	3.6	18
3	Quantum dot based molecularly imprinted polymer test strips for fluorescence detection of ferritin. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131548.	4.0	17
4	Structural characterization and anti-tumor activity in vitro of a water-soluble polysaccharide from dark brick tea. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 615-625.	3.6	18
5	Bimetallic modified halloysite particle electrode enhanced electrocatalytic oxidation for the degradation of sulfanilamide. <i>Journal of Environmental Management</i> , 2022, 312, 114975.	3.8	7
6	The Main Structural Unit Elucidation and Immunomodulatory Activity In Vitro of a Selenium-Enriched Polysaccharide Produced by <i>Pleurotus ostreatus</i> . <i>Molecules</i> , 2022, 27, 2591.	1.7	3
7	Designing a CRISPR/Cas12a- and Au-Nanobeacon-Based Diagnostic Biosensor Enabling Direct, Rapid, and Sensitive miRNA Detection. <i>Analytical Chemistry</i> , 2022, 94, 6566-6573.	3.2	20
8	The structural characterization and anticancer activity of a polysaccharide from <i>Coriolus versicolor</i> . <i>New Journal of Chemistry</i> , 2022, 46, 9830-9840.	1.4	4
9	Waste coal cinder catalyst enhanced electrocatalytic oxidation and persulfate advanced oxidation for the degradation of sulfadiazine. <i>Chemosphere</i> , 2022, 303, 134880.	4.2	6
10	Fabrication, GSH-responsive drug release, and anticancer properties of thioctic acid-based intelligent hydrogels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112703.	2.5	10
11	A water-soluble selenium-enriched polysaccharide produced by <i>Pleurotus ostreatus</i> : Purification, characterization, antioxidant and antitumor activities in vitro. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 356-370.	3.6	44
12	Dually acid- and GSH-triggered bis(β -cyclodextrin) as drugs delivery nanoplatfrom for effective anticancer monotherapy. <i>Nanotechnology</i> , 2021, 32, 145714.	1.3	7
13	Current methods and prospects of coronavirus detection. <i>Talanta</i> , 2021, 225, 121977.	2.9	14
14	A critical review of molecularly imprinted solid phase extraction technology. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	21
15	Capsule-like molecular imprinted polymer nanoparticles for targeted and chemophotothermal synergistic cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112126.	2.5	16
16	Cell-Surface-Anchored DNA Sensors for Simultaneously Monitoring Extracellular Sodium and Potassium Levels. <i>Analytical Chemistry</i> , 2021, 93, 16432-16438.	3.2	8
17	Preparation and characterization of molecularly imprinted polymers based on β -cyclodextrin-stabilized Pickering emulsion polymerization for selective recognition of erythromycin from river water and milk. <i>Journal of Separation Science</i> , 2020, 43, 3683-3690.	1.3	10
18	Intelligent Nanoprobe: Acid-Responsive Drug Release and In Situ Evaluation of Its Own Therapeutic Effect. <i>Analytical Chemistry</i> , 2020, 92, 12371-12378.	3.2	8

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19	Physicochemical characterization and antitumor activity in vitro of a selenium polysaccharide from <i>Pleurotus ostreatus</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2934-2946.	3.6	46
20	A nanoprobe for ratiometric imaging of glutathione in living cells based on the use of a nanocomposite prepared from dual-emission carbon dots and manganese dioxide nanosheets. <i>Mikrochimica Acta</i> , 2020, 187, 537.	2.5	11
21	An Autonomous Self-Cleavage DNAzyme Walker for Live Cell MicroRNA Imaging. <i>ACS Applied Bio Materials</i> , 2020, 3, 6310-6318.	2.3	17
22	PEGylated Thermo-Sensitive Bionic Magnetic Core-Shell Structure Molecularly Imprinted Polymers Based on Halloysite Nanotubes for Specific Adsorption and Separation of Bovine Serum Albumin. <i>Polymers</i> , 2020, 12, 536.	2.0	20
23	Co-delivery of DNAzyme and a chemotherapy drug using a DNA tetrahedron for enhanced anticancer therapy through synergistic effects. <i>New Journal of Chemistry</i> , 2019, 43, 14020-14027.	1.4	17
24	Micelles via self-assembly of amphiphilic beta-cyclodextrin block copolymers as drug carrier for cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110425.	2.5	13
25	GSH and light dual stimuli-responsive supramolecular polymer drug carriers for cancer therapy. <i>Polymer Degradation and Stability</i> , 2019, 168, 108956.	2.7	19
26	Polymethacrylic acid encapsulated TiO ₂ nanotubes for sustained drug release and enhanced antibacterial activities. <i>New Journal of Chemistry</i> , 2019, 43, 1827-1837.	1.4	15
27	β-Cyclodextrin coated and folic acid conjugated magnetic halloysite nanotubes for targeting and isolating of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 379-388.	2.5	31
28	Cell-Surface-Anchored Ratiometric DNA Nanoswitch for Extracellular ATP Imaging. <i>ACS Sensors</i> , 2019, 4, 1648-1653.	4.0	33
29	Amphipathic β-cyclodextrin nanocarriers serve as intelligent delivery platform for anticancer drug. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 429-440.	2.5	12
30	Molecularly imprinted polymers based on zeolite imidazolate framework-8 for selective removal of 2,4-dichlorophenoxyacetic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 244-250.	2.3	29
31	An improved synthesis of the 5-HT _{1A} receptor agonist Eptapirone free base. <i>Chemical Papers</i> , 2019, 73, 1321-1331.	1.0	0
32	Gold nanoparticle based fluorescent oligonucleotide probes for imaging and therapy in living systems. <i>Analyst</i> , 2019, 144, 1052-1072.	1.7	37
33	Assembling of stimuli-responsive tumor targeting polypyrrole nanotubes drug carrier system for controlled release. <i>Materials Science and Engineering C</i> , 2018, 89, 316-327.	3.8	17
34	Molecularly imprinted polymers fabricated using Janus particle-stabilized Pickering emulsions and charged monomer polymerization. <i>New Journal of Chemistry</i> , 2018, 42, 7355-7363.	1.4	18
35	Novel application of amphiphilic block copolymers in Pickering emulsions and selective recognition of proteins. <i>New Journal of Chemistry</i> , 2018, 42, 3028-3034.	1.4	11
36	Molecularly imprinted polymers fabricated via Pickering emulsions stabilized solely by food-grade casein colloidal nanoparticles for selective protein recognition. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3133-3143.	1.9	16

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37	An effective and convenient synthesis of cordycepin from adenosine. <i>Chemical Papers</i> , 2018, 72, 149-160.	1.0	14
38	Interconnectivity of macroporous molecularly imprinted polymers fabricated by hydroxyapatite-stabilized Pickering high internal phase emulsions-hydrogels for the selective recognition of protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 142-149.	2.5	30
39	Hydrophilic surface molecularly imprinted naringin prepared via reverse atom transfer radical polymerization with excellent recognition ability in a pure aqueous phase. <i>RSC Advances</i> , 2017, 7, 28082-28091.	1.7	15
40	Synthesis of Size-Tunable Hollow Polypyrrole Nanostructures and Their Assembly into Folate-Targeting and pH-Responsive Anticancer Drug-Delivery Agents. <i>Chemistry - A European Journal</i> , 2017, 23, 17279-17289.	1.7	17
41	Nanoscale trifunctional bovine hemoglobin for fabricating molecularly imprinted polydopamine via Pickering emulsions-hydrogels polymerization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 131-138.	2.5	22
42	Multifunctional halloysite nanotubes for targeted delivery and controlled release of doxorubicin <i>in-vitro</i> and <i>in-vivo</i> studies. <i>Nanotechnology</i> , 2017, 28, 375101.	1.3	52
43	Halloysite-based dopamine-imprinted polymer for selective protein capture. <i>Journal of Separation Science</i> , 2016, 39, 2431-2437.	1.3	23
44	Bio-inspired magnetic molecularly imprinted polymers based on Pickering emulsions for selective protein recognition. <i>New Journal of Chemistry</i> , 2016, 40, 8745-8752.	1.4	18
45	Graphene oxide as a sacrificial material for fabricating molecularly imprinted polymers via Pickering emulsion polymerization. <i>RSC Advances</i> , 2016, 6, 74654-74661.	1.7	15
46	Preparation and Corresponding Properties of a Novel Aqueous Derivative of Lutein. <i>Chemistry Letters</i> , 2016, 45, 586-588.	0.7	1
47	The synthesis of temperature-sensitive molecularly imprinted film on support beads and its application for bovine serum albumin separation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 367-375.	2.3	19
48	The combination of adsorption by functionalized halloysite nanotubes and encapsulation by polyelectrolyte coatings for sustained drug delivery. <i>RSC Advances</i> , 2016, 6, 54463-54470.	1.7	30
49	Water-compatible halloysite-imprinted polymer by Pickering emulsion polymerization for the selective recognition of herbicides. <i>Journal of Separation Science</i> , 2015, 38, 1365-1371.	1.3	34
50	Fabrication and evaluation of protein imprinted polymer based on magnetic halloysite nanotubes. <i>RSC Advances</i> , 2015, 5, 66147-66154.	1.7	31
51	Functionalization of halloysite nanotubes by enlargement and hydrophobicity for sustained release of analgesic. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 487, 154-161.	2.3	40
52	One-pot preparation of boronic acid and PEG bi-functionalized silica particles for separation and purification of catecholamine from rat serum. <i>New Journal of Chemistry</i> , 2015, 39, 8848-8854.	1.4	14
53	A novel molecularly imprinted material based on magnetic halloysite nanotubes for rapid enrichment of 2,4-dichlorophenoxyacetic acid in water. <i>Journal of Hazardous Materials</i> , 2014, 276, 58-65.	6.5	94
54	Efficient conversion of myricetin from <i>Ampelopsis grossedentata</i> extracts and its purification by MIP-SPE. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 39-45.	1.2	34

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55	Preparation and characterization of molecularly imprinted organic-inorganic hybrid materials by sol-gel processing for selective recognition of ibuprofen. Journal of Sol-Gel Science and Technology, 2013, 66, 59-67.	1.1	10