

Ruilong Sheng

List of Publications by Year in descending order

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87
papers

2,853
citations

172457

29
h-index

182427

51
g-index

95
all docs

95
docs citations

95
times ranked

3216
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. <i>Biomaterials</i> , 2012, 33, 3025-3035.	11.4	226
2	Colorimetric Test Kit for Cu ²⁺ Detection. <i>Organic Letters</i> , 2008, 10, 5015-5018.	4.6	210
3	A Water-Soluble "Switching On" Fluorescent Chemosensor of Selectivity to Cd ²⁺ . <i>Organic Letters</i> , 2007, 9, 3829-3832.	4.6	165
4	Synthesis of Perfluorinated Isoquinolinediones through Visible-Light-Induced Cyclization of Alkenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 12599-12605.	3.2	94
5	Dithiolane linked thiorhodamine dimer for Hg ²⁺ recognition in living cells. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 660.	2.8	93
6	A new colorimetric chemosensor for Hg ²⁺ based on coumarin azine derivative. <i>Sensors and Actuators B: Chemical</i> , 2008, 128, 507-511.	7.8	82
7	Colorimetric and Ratiometric Chemosensor for Visual Detection of Gaseous Phosgene Based on Anthracene Carboxyimide Membrane. <i>Analytical Chemistry</i> , 2018, 90, 8686-8691.	6.5	78
8	Polysaccharide-based nanomedicines for cancer immunotherapy: A review. <i>Bioactive Materials</i> , 2021, 6, 3358-3382.	15.6	74
9	Honeycomb-Structured Films by Multifunctional Amphiphilic Biodegradable Copolymers: Surface Morphology Control and Biomedical Application as Scaffolds for Cell Growth. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2487-2495.	8.0	73
10	A simple naphthalene-based fluorescent probe for high selective detection of formaldehyde in toffees and HeLa cells via aza-Cope reaction. <i>Talanta</i> , 2016, 160, 645-652.	5.5	72
11	A novel colorimetric and ratiometric fluorescent probe for visualizing SO ₂ derivatives in environment and living cells. <i>Talanta</i> , 2018, 176, 389-396.	5.5	71
12	The intracellular plasmid DNA localization of cationic reducible cholesterol-disulfide lipids. <i>Biomaterials</i> , 2011, 32, 3507-3519.	11.4	68
13	Reversible Fluorescent Probe for Highly Selective and Sensitive Detection of Mercapto Biomolecules. <i>Inorganic Chemistry</i> , 2011, 50, 6543-6551.	4.0	66
14	A distinctive mitochondrion-targeting, <i>in situ</i> -activatable near-infrared fluorescent probe for visualizing sulfur dioxide derivatives and their fluctuations <i>in vivo</i> . <i>Journal of Materials Chemistry B</i> , 2020, 8, 1914-1921.	5.8	64
15	Aerobic oxidative cyclization of benzamides via meta-selective C-H tert-alkylation: rapid entry to 7-alkylated isoquinolinediones. <i>Chemical Communications</i> , 2016, 52, 4470-4473.	4.1	62
16	Copper-Catalysed Alkylarylation of Activated Alkenes Using AIBN and Beyond: An Access to Cyano-Containing Oxindoles. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1606-1612.	2.4	59
17	Photocatalyzed cascade Meerwein addition/cyclization of <i>N</i> -benzylacrylamides toward azaspirocycles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2406-2410.	2.8	59
18	Glycodendron/pyropheophorbide-a (Ppa)-functionalized hyaluronic acid as a nanosystem for tumor photodynamic therapy. <i>Carbohydrate Polymers</i> , 2020, 247, 116749.	10.2	58

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19	Rationally assembled albumin/indocyanine green nanocomplex for enhanced tumor imaging to guide photothermal therapy. <i>Journal of Nanobiotechnology</i> , 2020, 18, 49.	9.1	54
20	Dendritic Poly(<i>l</i> -lysine)- <i>b</i> -Poly(<i>l</i> -lactide)-Dendritic Poly(<i>l</i> -lysine) Amphiphilic Gene Delivery Vectors: Roles of PLL Dendritic Generation and Enhanced Transgene Efficacies via Termini Modification. <i>Biomacromolecules</i> , 2009, 10, 2284-2293.	5.4	52
21	Mechanically reinforced injectable bioactive nanocomposite hydrogels for in-situ bone regeneration. <i>Chemical Engineering Journal</i> , 2022, 433, 132799.	12.7	52
22	Fluorescent sensors based on controllable conformational change for discrimination of Zn ²⁺ over Cd ²⁺ . <i>Tetrahedron</i> , 2012, 68, 5458-5463.	1.9	47
23	Visible-light-induced dearomative spirocyclization of <i>N</i> -benzylacrylamides toward perfluorinated azaspirocyclic cyclohexadienones. <i>Tetrahedron Letters</i> , 2017, 58, 2127-2130.	1.4	40
24	Visible-light-induced perfluoroalkylation/arylmigration/desulfonylation cascades of conjugated tosyl amides. <i>Tetrahedron Letters</i> , 2017, 58, 329-332.	1.4	40
25	Molecular engineered optical probes for chemical warfare agents and their mimics: Advances, challenges and perspectives. <i>Coordination Chemistry Reviews</i> , 2022, 463, 214527.	18.8	39
26	Metal-free cascade cyclization of alkenes toward perfluorinated oxindoles. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5285-5288.	2.8	38
27	Amphiphilic Diblock Terpolymer PMAgala- <i>b</i> -P(MAA- <i>co</i> -MACHol)s with Attached Galactose and Cholesterol Grafts and Their Intracellular pH-Responsive Doxorubicin Delivery. <i>Biomacromolecules</i> , 2016, 17, 98-110.	5.4	37
28	A family of multi-color anthracene carboxyimides: Synthesis, spectroscopic properties, solvatochromic fluorescence and bio-imaging application. <i>Dyes and Pigments</i> , 2017, 139, 166-173.	3.7	32
29	Radical-mediated divergent cyclization of benzamides toward perfluorinated or cyanated isoquinolinediones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9348-9353.	2.8	30
30	A new coumarin-derived fluorescent sensor with red-emission for Zn ²⁺ in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 364-369.	7.8	28
31	Synthesis of diblock/statistical cationic glycopolymers with pendant galactose and lysine moieties: gene delivery application and intracellular behaviors. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4696-4706.	5.8	28
32	A fast responsive chromogenic and near-infrared fluorescence lighting-up probe for visual detection of toxic thiophenol in environmental water and living cells. <i>Talanta</i> , 2019, 201, 111-118.	5.5	27
33	Cholesterol-based cationic lipids for gene delivery: Contribution of molecular structure factors to physico-chemical and biological properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 32-40.	5.0	26
34	Synthesis and self-assembly of diblock glycopolymer analogues PMAgala- <i>b</i> -PBLG as multifunctional biomaterials for protein recognition, drug delivery and hepatoma cell targeting. <i>Polymer Chemistry</i> , 2017, 8, 472-484.	3.9	26
35	A selective cascade reaction-based probe for colorimetric and ratiometric fluorescence detection of benzoyl peroxide in food and living cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5775-5781.	5.8	26
36	Alginate Lyases from Marine Bacteria: An Enzyme Ocean for Sustainable Future. <i>Molecules</i> , 2022, 27, 3375.	3.8	26

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37	Click™ synthesized sterol-based cationic lipids as gene carriers, and the effect of skeletons and headgroups on gene delivery. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6366-6377.	3.0	25
38	DIAD as a promoter for cyanomethylation of alkenes by Cu catalysis. <i>Tetrahedron Letters</i> , 2015, 56, 1423-1426.	1.4	25
39	Rhodamine-based derivatives for Cu ²⁺ sensing: Spectroscopic studies, structure-recognition relationships and its test strips. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 14-20.	3.9	24
40	Structure-activity relationship and synthetic methodologies of $\hat{\pm}$ -santonin derivatives with diverse bioactivities: A mini-review. <i>European Journal of Medicinal Chemistry</i> , 2019, 175, 215-233.	5.5	24
41	Amphiphilic Cationic [Dendritic poly(L-lysine)]-block-poly(L-lactide) [dendritic poly(L-lysine)]s in Aqueous Solution: Self-Aggregation and Interaction with DNA as Gene Delivery Carriers. <i>Macromolecular Bioscience</i> , 2011, 11, 174-186.	4.1	23
42	Azo-Compound-Mediated Cyanoalkylation of Alkenes by Copper Catalysis: General Access to Cyano-Substituted Oxindoles. <i>Synthesis</i> , 2015, 47, 1567-1580.	2.3	23
43	Novel Contact Lenses Embedded with Drug-Loaded Zwitterionic Nanogels for Extended Ophthalmic Drug Delivery. <i>Nanomaterials</i> , 2021, 11, 2328.	4.1	23
44	Colorimetric and Highly Selective Fluorescence "Turn-on" Detection of Cr ³⁺ by Using a Simple Schiff Base Sensor. <i>Chinese Journal of Chemistry</i> , 2013, 31, 377-380.	4.9	22
45	Interactions of New Synthesized Fluorescent Cationic Amphiphiles Bearing Pyrene Hydrophobe with Plasmid DNA: Binding Affinities, Aggregation and Intracellular Uptake. <i>Macromolecular Bioscience</i> , 2010, 10, 974-982.	4.1	21
46	Morphology-Variable Aggregates Prepared from Cholesterol-Containing Amphiphilic Glycopolymers: Their Protein Recognition/Adsorption and Drug Delivery Applications. <i>Nanomaterials</i> , 2018, 8, 136.	4.1	21
47	A smartphone-adaptable fluorescent sensing tag for non-contact and visual monitoring of the freshness of fish. <i>Analyst</i> , 2022, 147, 923-931.	3.5	21
48	Structure-Activity Relationships of Natural and Synthetic Indole-Derived Scaffolds as $\hat{\pm}$ -Glucosidase Inhibitors: A Mini-Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 1791-1818.	2.4	18
49	Development and challenges of cells- and materials-based tooth regeneration. <i>Engineered Regeneration</i> , 2022, 3, 163-181.	6.0	17
50	Construction of a Hierarchical Micro-/Submicro-/Nanostructured 3D-Printed Ti6Al4V Surface Feature to Promote Osteogenesis: Involvement of Sema7A through the ITGB1/FAK/ERK Signaling Pathway. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30571-30581.	8.0	17
51	Endoplasmic reticulum localization of poly($\hat{\pm}$ -aminohexyl methacrylamide)s conjugated with (l)-arginines in plasmid DNA delivery. <i>Biomaterials</i> , 2013, 34, 7923-7938.	11.4	16
52	Enzyme sensing based on a controllable oxidation reaction. <i>Biosensors and Bioelectronics</i> , 2010, 26, 949-952.	10.1	14
53	Preparation of Functional Water-Soluble Low-Cytotoxic Poly(methacrylate)s With Pendant Cationic L-Lysines for Efficient Gene Delivery. <i>Macromolecular Bioscience</i> , 2013, 13, 35-47.	4.1	14
54	Assembly of plasmid DNA with pyrene-amines cationic amphiphiles into nanoparticles and their visible lysosome localization. <i>RSC Advances</i> , 2015, 5, 12338-12345.	3.6	14

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55	A dual-analytes responsive fluorescent probe for discriminative detection of ClO ⁻ and N ₂ H ₄ in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 118953.	3.9	13
56	Novel Bioactive Polyketides Isolated from Marine Actinomycetes: An Update Review from 2013 to 2019. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000562.	2.1	12
57	Intracellular plasmid DNA delivery by self-assembled nanoparticles of amphiphilic PHML- <i>b</i> -PLLA- <i>b</i> -PHML copolymers and the endocytosis pathway analysis. <i>Journal of Biomaterials Applications</i> , 2016, 31, 606-621.	2.4	11
58	Syntheses and evaluation of daphnetin derivatives as novel G protein-coupled receptor inhibitors and activators. <i>Bioorganic Chemistry</i> , 2020, 104, 104342.	4.1	11
59	Achieving high gene delivery performance with caveolae-mediated endocytosis pathway by (l)-arginine/(l)-histidine co-modified cationic gene carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 73-84.	5.0	10
60	Cascade radical cyclization/cross-coupling of halobenzamides by synergistic Cu/Fe catalysis: An access to 7-tert-alkylated isoquinolinediones. <i>Tetrahedron</i> , 2018, 74, 6558-6568.	1.9	10
61	Hydrophobic chain modified low molecular weight polyethylenimine for efficient antigen delivery. <i>RSC Advances</i> , 2016, 6, 13636-13643.	3.6	9
62	Progress in Isoindolone Alkaloid Derivatives from Marine Microorganism: Pharmacology, Preparation, and Mechanism. <i>Marine Drugs</i> , 2022, 20, 405.	4.6	9
63	Terminal modification on mPEG-dendritic poly-(l)-lysine cationic diblock copolymer for efficient gene delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1935-1951.	3.5	8
64	Synthesis of crosslinkable diblock terpolymers PDPA- <i>b</i> -P(NMS-co-OEG) and preparation of shell-crosslinked pH/redox-dual responsive micelles as smart nanomaterials. <i>RSC Advances</i> , 2019, 9, 34535-34546.	3.6	8
65	Cationic Nanoparticles Assembled from Natural-Based Steroid Lipid for Improved Intracellular Transport of siRNA and pDNA. <i>Nanomaterials</i> , 2016, 6, 69.	4.1	7
66	Skeleton-Controlled pDNA Delivery of Renewable Steroid-Based Cationic Lipids, the Endocytosis Pathway Analysis and Intracellular Localization. <i>International Journal of Molecular Sciences</i> , 2018, 19, 369.	4.1	7
67	Preparation of New Amphiphilic Liquid-Crystal Diblock Copolymers Bearing Side-on Cholesteryl Mesogen and Their Self-aggregation. <i>Acta Chimica Sinica</i> , 2013, 71, 351.	1.4	7
68	Synthesis and Bioactivities of Marine Pyran-Isoindolone Derivatives as Potential Antithrombotic Agents. <i>Marine Drugs</i> , 2021, 19, 218.	4.6	6
69	Self-Assembly of Cholesterol-Doxorubicin and TPGS into Prodrug-Based Nanoparticles with Enhanced Cellular Uptake and Lysosome-Dependent Pathway in Breast Cancer Cells. <i>European Journal of Lipid Science and Technology</i> , 2021, 123, 2000337.	1.5	6
70	Practical and Efficient Utilisation of (R)-3-chloro-1,2-Propanediol in Synthesis of L-Carnitine. <i>Journal of Chemical Research</i> , 2011, 35, 371-372.	1.3	5
71	Quantitative and highly selective sensing of sodium houthuyfonate via long-aliphatic chains hydrophobic assembly and aggregation-induced emission. <i>New Journal of Chemistry</i> , 2015, 39, 9743-9751.	2.8	5
72	Advances of "Click" Reaction Approach in Glycopolyptide Synthesis. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 2379.	1.3	5

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73	Functional Glycopolypeptides: Synthesis and Biomedical Applications. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-16.	1.7	4
74	Synthesis of Coumarin Derivatives: A New Class of Coumarin-Based G Protein-Coupled Receptor Activators and Inhibitors. <i>Polymers</i> , 2022, 14, 2021.	4.5	4
75	THERMAL PROPERTIES AND CRYSTALLIZATION BEHAVIOR OF PS- <i>b</i> -PDLA BLOCK COPOLYMERS. <i>Acta Polymerica Sinica</i> , 2010, 010, 739-746.	0.0	3
76	Mechanism of hydrogenation of [60]fullerene with Zn-conc. HCl. <i>Journal of Chemical Research</i> , 2004, 2004, 502-503.	1.3	2
77	Microfluidic-Based Cationic Cholesterol Lipid siRNA Delivery Nanosystem: Highly Efficient In Vitro Gene Silencing and the Intracellular Behavior. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3999.	4.1	2
78	A Convenient Synthesis of 1-[6-Fluoro-(2S)-3H,4H-dihydro-2H-2-chromenyl]-(1R)-1,2-ethanediol and 1-[6-Fluoro-(2R)-3H,4H-dihydro-2H-2-chromenyl]-(1R)-1,2-ethanediol. <i>Synlett</i> , 2005, 2005, 1465-1467.	1.8	1
79	A 2-hydroxy-1-naphthaldehyde-derived chemosensor for recognition of Cu ²⁺ . <i>Journal of Chemical Research</i> , 2009, 2009, 356-358.	1.3	1
80	PREPARATION OF NEW CHOLESTEROL-BASED AMPHIPHILIC LIQUID-CRYSTALLINE DIBLOCK COPOLYMERS <i>via</i> RAFT APPROACH AND THEIR THERMAL PROPERTIES AND SELF-ASSEMBLY IN MIXED SOLUTIONS. <i>Acta Polymerica Sinica</i> , 2013, 013, 102-111.	0.0	1
81	^{99m} Tc-labeled rHuEpo for imaging of the erythropoietin receptor in tumors. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 77-83.	1.0	0
82	Steroid-Based Supramolecular Systems and their Biomedical Applications: Biomolecular Recognition and Transportation. , 2020, , .		0
83	Natural steroid-based cationic copolymers cholesterol/diosgenin-rPDMAEMAs and their pDNA nanoplexes: impact of steroid structures and hydrophobic/hydrophilic ratios on pDNA delivery. <i>RSC Advances</i> , 2021, 11, 19450-19460.	3.6	0
84	Green Polymers toward Nanobiotechnology(I): Synthesis of Glycopolypeptides and Their Analogues. <i>General Chemistry</i> , 2019, 5, 190010-190010.	0.6	0
85	Chemical Sensors towards Environmental Toxic Molecule Monitoring: Fluores-cent Probes for Detection of Thiophenol. <i>General Chemistry</i> , 2020, 6, 190027-190027.	0.6	0
86	Prodrug Systems (I): Lipid-Based Doxorubicin Prodrugs and Their Nanodelivery Systems. <i>Medicine Research</i> , 2020, 4, 200013-200013.	0.4	0
87	Controlled preparation of cholesterol-bearing polycations with pendent <i>l</i> -lysine for efficient gene delivery. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2023, 72, 750-758.	3.4	0