

Ji Zhang

List of Publications by Year in descending order

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91
papers

1,869
citations

236925

25
h-index

330143

37
g-index

92
all docs

92
docs citations

92
times ranked

2246
citing authors

#	ARTICLE	IF	CITATIONS
1	A Metal-Free Oxidative Esterification of the Benzyl C-H Bond. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1287-1292.	4.3	155
2	Linear polycations by ring-opening polymerization as non-viral gene delivery vectors. <i>Biomaterials</i> , 2013, 34, 5391-5401.	11.4	70
3	Pore-Free Matrix with Cooperative Chelating of Hyperbranched Ligands for High-Performance Separation of Uranium. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28853-28861.	8.0	69
4	Amphiphilic carbon dots as versatile vectors for nucleic acid and drug delivery. <i>Nanoscale</i> , 2017, 9, 5935-5947.	5.6	63
5	Hyaluronic acid-based carbon dots for efficient gene delivery and cell imaging. <i>RSC Advances</i> , 2017, 7, 15613-15624.	3.6	53
6	Gadolinium-doped carbon dots as nano-theranostic agents for MR/FL diagnosis and gene delivery. <i>Nanoscale</i> , 2019, 11, 12973-12982.	5.6	50
7	Chiral multinuclear macrocyclic polyamine complexes: Synthesis, characterization and their interaction with plasmid DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 696-701.	3.0	46
8	Ring-Opening Polymerization for Hyperbranched Polycationic Gene Delivery Vectors with Excellent Serum Tolerance. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15733-15742.	8.0	45
9	Photoluminescent F-doped carbon dots prepared by ring-opening reaction for gene delivery and cell imaging. <i>RSC Advances</i> , 2018, 8, 6053-6062.	3.6	45
10	Cyclen-based lipidic oligomers as potential gene delivery vehicles. <i>Acta Biomaterialia</i> , 2014, 10, 1412-1422.	8.3	42
11	Synthesis, DNA binding and cleavage activities of the copper (II) complexes of estrogen-macrocyclic polyamine conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3871-3877.	3.0	39
12	Novel cationic lipids possessing protonated cyclen and imidazolium salt for gene delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 326-335.	4.3	34
13	Novel imidazole-functionalized cyclen cationic lipids: Synthesis and application as non-viral gene vectors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3105-3113.	3.0	33
14	Cationic polymer-derived carbon dots for enhanced gene delivery and cell imaging. <i>Biomaterials Science</i> , 2019, 7, 1940-1948.	5.4	33
15	The conjugates of uracil-cyclen Zn(II) complexes: Synthesis, characterization, and their interaction with plasmid DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 5756-5764.	3.0	31
16	Novel Signal-Enhancing Immunoassay for Ultrasensitive Biomarker Detection Based on Laser-Induced Fluorescence. <i>Analytical Chemistry</i> , 2015, 87, 2959-2965.	6.5	31
17	Modifiable diyne-based covalent organic framework: a versatile platform for in situ multipurpose functionalization. <i>RSC Advances</i> , 2016, 6, 39150-39158.	3.6	31
18	Cyclen-Based Cationic Lipids for Highly Efficient Gene Delivery towards Tumor Cells. <i>PLoS ONE</i> , 2011, 6, e23134.	2.5	30

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19	Self-assembled core-shell-corona multifunctional non-viral vector with AIE property for efficient hepatocyte-targeting gene delivery. <i>Polymer Chemistry</i> , 2017, 8, 7486-7498.	3.9	30
20	Low molecular weight PEI-based polycationic gene vectors via Michael addition polymerization with improved serum-tolerance. <i>Polymer</i> , 2015, 65, 45-54.	3.8	29
21	TACN-based oligomers with aromatic backbones for efficient nucleic acid delivery. <i>Chemical Communications</i> , 2014, 50, 6454-6457.	4.1	28
22	Low Molecular Weight Oligomers with Aromatic Backbone as Efficient Nonviral Gene Vectors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10743-10751.	8.0	28
23	Cyclen-based cationic lipids containing a pH-sensitive moiety as gene delivery vectors. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 620-630.	2.8	27
24	En Bloc Pancreaticoduodenectomy and Right Colectomy in the Treatment of Locally Advanced Colon Cancer. <i>Diseases of the Colon and Rectum</i> , 2013, 56, 874-880.	1.3	26
25	Cyclen-based cationic lipids with double hydrophobic tails for efficient gene delivery. <i>Biomaterials Science</i> , 2014, 2, 1460-1470.	5.4	26
26	Cross-linked polymers with fluorinated bridges for efficient gene delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8542-8553.	5.8	25
27	TACN-based cationic lipids with amino acid backbone and double tails: Materials for non-viral gene delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1771-1775.	2.2	24
28	Low molecular weight PEI-based fluorinated polymers for efficient gene delivery. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 602-611.	5.5	22
29	Low molecular weight PEI-appended polyesters as non-viral gene delivery vectors. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 118-125.	5.5	21
30	Diol glycidyl ether-bridged low molecular weight PEI as potential gene delivery vehicles. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2660-2670.	5.8	21
31	Diol glycidyl ether-bridged cyclens: preparation and their applications in gene delivery. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2413.	2.8	20
32	Aromatic Modification of Low Molecular Weight PEI for Enhanced Gene Delivery. <i>Polymers</i> , 2017, 9, 362.	4.5	20
33	A Mild and Efficient Method for <i>N</i> -Arylnucleobase Synthesis via the Cross-Coupling Reactions of Nucleobases with Arylboronic Acids Catalyzed by Simple Copper Salts. <i>Helvetica Chimica Acta</i> , 2008, 91, 1008-1014.	1.6	19
34	Structure-activity relationship studies of symmetrical cationic bolosomes as non-viral gene vectors. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5575-5584.	5.8	19
35	Hydrophobically modified carbon dots as a multifunctional platform for serum-resistant gene delivery and cell imaging. <i>Biomaterials Science</i> , 2020, 8, 3730-3740.	5.4	19
36	Low molecular weight PEI-based biodegradable lipopolymers as gene delivery vectors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1242.	2.8	18

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37	Bioreducible cross-linked polymers based on G1 peptide dendrimer as potential gene delivery vectors. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 413-420.	5.5	18
38	A reduction-responsive liposomal nanocarrier with self-reporting ability for efficient gene delivery. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2860-2868.	5.8	18
39	Zn(II) coordination to cyclen-based polycations for enhanced gene delivery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 451-459.	5.8	17
40	Biodegradable cyclen-based linear and cross-linked polymers as non-viral gene vectors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1380-1387.	3.0	16
41	Forensic applicability of multi-allelic InDels with mononucleotide homopolymer structures. <i>Electrophoresis</i> , 2018, 39, 2136-2143.	2.4	16
42	Functionalized Asymmetric Bola-Type Amphiphiles for Efficient Gene and Drug Delivery. <i>Nanomaterials</i> , 2018, 8, 115.	4.1	16
43	Biotinylated Cyclen-Contained Cationic Lipids as Non-Viral Gene Delivery Vectors. <i>Chemical Biology and Drug Design</i> , 2013, 82, 376-383.	3.2	15
44	Cationic gemini lipids with cyclen headgroups: interaction with DNA and gene delivery abilities. <i>RSC Advances</i> , 2014, 4, 44261-44268.	3.6	15
45	Amino Acid-Modified Polyethylenimines with Enhanced Gene Delivery Efficiency and Biocompatibility. <i>Polymers</i> , 2015, 7, 2316-2331.	4.5	15
46	Novel Reticular Cyclen-Based Polymer as Gene Vector in DNA Transfection. <i>Chemical Biology and Drug Design</i> , 2009, 73, 216-224.	3.2	14
47	Cyclen-based double-tailed lipids for DNA delivery: Synthesis and the effect of linking group structures. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5756-5763.	3.0	14
48	Amphiphilic polymers formed from ring-opening polymerization: a strategy for the enhancement of gene delivery. <i>Biomaterials Science</i> , 2017, 5, 718-729.	5.4	14
49	Rigid aromatic linking moiety in cationic lipids for enhanced gene transfection efficiency. <i>European Journal of Medicinal Chemistry</i> , 2017, 136, 585-595.	5.5	14
50	Amino Acid-Linked Low Molecular Weight Polyethylenimine for Improved Gene Delivery and Biocompatibility. <i>Molecules</i> , 2020, 25, 975.	3.8	14
51	Multichannel Chromogenic and Chiral Anions Recognition by Imidazolium Functionalized BINOL Derivatives. <i>Chinese Journal of Chemistry</i> , 2013, 31, 641-650.	4.9	13
52	ROS-responsive fluorinated polycations as non-viral gene vectors. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111666.	5.5	13
53	Synthesis and gene transfection activity of cyclen-based cationic lipids with asymmetric acyl-cholesteryl hydrophobic tails. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3484-3492.	2.8	11
54	Ring-opening polymerization of diepoxides as an alternative method to overcome PEG dilemma in gene delivery. <i>Polymer</i> , 2018, 134, 53-62.	3.8	11

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55	Zn-dipicolylamine-based reactive oxygen species-responsive lipids for siRNA delivery and in vivo colitis treatment. <i>Acta Biomaterialia</i> , 2022, 147, 287-298.	8.3	11
56	Arm effects of mononuclear armed cyclen copper complexes on DNA cleavage. <i>Transition Metal Chemistry</i> , 2008, 33, 759-765.	1.4	10
57	Immobilization cyclen copper (II) on merrifield resin: Efficient oxidative cleavage of plasmid DNA. <i>Journal of Applied Polymer Science</i> , 2009, 111, 2485-2492.	2.6	10
58	Synthesis, DNA binding and cleavage studies of the copper(II) complexes of PNA-cyclen conjugates. <i>Science China Chemistry</i> , 2011, 54, 129-136.	8.2	10
59	Cyclen-Based Cationic Lipids Containing Carbamate Linkages as Efficient Gene Delivery Vectors with Low Toxicity. <i>ChemPlusChem</i> , 2012, 77, 584-591.	2.8	10
60	Hydroxyl-containing non-viral lipidic gene vectors with macrocyclic polyamine headgroups. <i>RSC Advances</i> , 2015, 5, 59417-59427.	3.6	10
61	Synthesis and Properties of Low-Molecular-Weight PEI-Based Lipopolymers for Delivery of DNA. <i>Polymers</i> , 2018, 10, 1060.	4.5	10
62	A Fluorescent Self-Reporting Vector with GSH Reduction Responsiveness for Nucleic Acid Delivery. <i>ACS Applied Bio Materials</i> , 2021, 4, 5717-5726.	4.6	10
63	Design, synthesis and antiproliferative activity of thiazolo[5,4-d]pyrimidine derivatives through the atom replacement strategy. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 1034-1041.	5.5	9
64	Potential forensic biogeographic application of diatom colony consistency analysis employing pyrosequencing profiles of the 18S rDNA V7 region. <i>International Journal of Legal Medicine</i> , 2018, 132, 1611-1620.	2.2	9
65	Forensic drowning site inference employing mixed pyrosequencing profile of DNA barcode gene (rbcl). <i>International Journal of Legal Medicine</i> , 2019, 133, 1351-1360.	2.2	9
66	Linear TACN-based cationic polymers as non-viral gene vectors. <i>RSC Advances</i> , 2014, 4, 59164-59174.	3.6	8
67	Bio-reducible polycations from ring-opening polymerization as potential gene delivery vehicles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6470-6478.	2.8	8
68	Polyethylenimine analogs for improved gene delivery: effect of the type of amino groups. <i>RSC Advances</i> , 2016, 6, 5391-5400.	3.6	8
69	Glutathione modified low molecular weight PEI for highly improved gene transfection ability and biocompatibility. <i>New Journal of Chemistry</i> , 2019, 43, 12109-12117.	2.8	8
70	Ferrocene-bridging dinuclear cyclen copper(II) complexes as high efficient artificial nucleases: design, synthesis and interaction with DNA. <i>Applied Organometallic Chemistry</i> , 2008, 22, 243-248.	3.5	7
71	Interaction of bis-aryl functionalized molecules with nucleosides and nucleic acids. <i>Science China Chemistry</i> , 2010, 53, 103-112.	8.2	7
72	Ischemic Liver Injury After Complete Occlusion of Hepatic Artery in the Treatment of Delayed Postoperative Arterial Bleeding. <i>Journal of Gastrointestinal Surgery</i> , 2015, 19, 2235-2242.	1.7	7

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73	Biodegradable Gene Carriers Containing Rigid Aromatic Linkage with Enhanced DNA Binding and Cell Uptake. <i>Polymers</i> , 2018, 10, 1080.	4.5	7
74	A liquid chromatography-tandem mass spectrometry method to simultaneously determinate dichlorvos and phoxim in tobacco. <i>Biomedical Chromatography</i> , 2019, 33, e4537.	1.7	7
75	Bioinspired pyrimidine-containing cationic polymers as effective nanocarriers for DNA and protein delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2275-2285.	5.8	7
76	Efficient and Mild Protocol for the Synthesis of 4(3)-Substituted 3(4)-Nitro-1 <i>H</i> -pyrroles and 3-Substituted 4-Methyl-2-tosyl-1 <i>H</i> -pyrroles from Nitroolefins and Tosylmethyl Isocyanide in Ionic Liquids. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1782-1788.	4.9	6
77	Novel cyclen-based linear polymer as a high-affinity binding material for DNA condensation. <i>Science in China Series B: Chemistry</i> , 2009, 52, 483-488.	0.8	6
78	Zn(II)-cyclen complex-based liposomes for gene delivery: the advantage of Zn coordination. <i>New Journal of Chemistry</i> , 2019, 43, 16138-16147.	2.8	6
79	Fluorinated polymer emulsion systems: Construction and application in delivering genes and proteins. <i>European Journal of Medicinal Chemistry</i> , 2020, 207, 112799.	5.5	6
80	One-step fabrication of functional carbon dots with long wavelength emission for gene delivery and bio-imaging. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8518-8529.	5.8	6
81	Construction of GSH-triggered cationic fluoropolymers as two-in-one nanoplatfoms for combined chemo-gene therapy. <i>Journal of Materials Chemistry B</i> , 2022, , .	5.8	6
82	Cationic lipids with a cyclen headgroup: synthesis and structure-activity relationship studies as non-viral gene vectors. <i>RSC Advances</i> , 2017, 7, 18681-18689.	3.6	5
83	Small Combinatorial Library of Lipidoids as Nanovectors for Gene Delivery. <i>ACS Applied Nano Materials</i> , 2018, 1, 3925-3934.	5.0	5
84	Zn-Promoted gene transfection efficiency for non-viral vectors: a mechanism study. <i>New Journal of Chemistry</i> , 2021, 45, 13549-13557.	2.8	5
85	Liposomes Derived from Macrocyclic Polyamine as a Versatile Macromolecule Delivery System. <i>ACS Applied Bio Materials</i> , 2021, 4, 844-852.	4.6	5
86	Cationic Heteropolymers with Various Functional Groups as Efficient and Biocompatible Nonviral Gene Vectors. <i>ACS Applied Bio Materials</i> , 2020, 3, 3526-3534.	4.6	4
87	Asymmetric synthesis of 2,6-substituted dihydropyrone catalyzed by 3-monosubstituted and 3,3-bisubstituted BINOL titanium complexes. <i>Chemical Papers</i> , 2008, 62, .	2.2	2
88	Synthesis of <i>N</i> -squaramidoacids and their application in asymmetric borane reduction of prochiral ketones. <i>Chinese Journal of Chemistry</i> , 2004, 22, 585-589.	4.9	2
89	A cyclen-based fluoropolymer as a versatile vector for gene and protein delivery. <i>European Polymer Journal</i> , 2022, 170, 111153.	5.4	2
90	Synthesis and primary biological evaluation of ¹⁸⁸ ReN-NEMPTDD. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2008, 277, 365-369.	1.5	1

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91	Zinc(ii)-cyclen coordinative amphiphiles for enhanced gene delivery. RSC Advances, 2020, 10, 39842-39853.	3.6	1