Quanshun Li

List of Publications by Year in descending order

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80 papers	3,000 citations	218677 26 h-index	168389 53 g-index
88 all docs	88 docs citations	88 times ranked	4573 citing authors

#	Article	IF	Citations
1	Carbon Dots with Continuously Tunable Full-Color Emission and Their Application in Ratiometric pH Sensing. Chemistry of Materials, 2014, 26, 3104-3112.	6.7	791
2	Hydrochromic molecular switches for water-jet rewritable paper. Nature Communications, 2014, 5, 3044.	12.8	211
3	Construction of Thermophilic Lipase-Embedded Metalâ€“Organic Frameworks via Biomimetic Mineralization: A Biocatalyst for Ester Hydrolysis and Kinetic Resolution. ACS Applied Materials & Interfaces, 2016, 8, 24517-24524.	8.0	197
4	Targeted delivery of cisplatin by LHRH-peptide conjugated dextran nanoparticles suppresses breast cancer growth and metastasis. Acta Biomaterialia, 2015, 18, 132-143.	8.3	96
5	Lipase/esterase-catalyzed synthesis of aliphatic polyesters via polycondensation: A review. Process Biochemistry, 2012, 47, 1027-1036.	3.7	84
6	Lipase/esterase-catalyzed ring-opening polymerization: A green polyester synthesis technique. Process Biochemistry, 2011, 46, 1900-1908.	3.7	82
7	Recent developments in lipase-catalyzed synthesis of polymeric materials. Process Biochemistry, 2014, 49, 797-806.	3.7	76
8	Lipase-inorganic hybrid nanoflower constructed through biomimetic mineralization: A new support for biodiesel synthesis. Journal of Colloid and Interface Science, 2018, 514, 102-107.	9.4	67
9	Immobilized lipase in bio-based metal-organic frameworks constructed by biomimetic mineralization: A sustainable biocatalyst for biodiesel synthesis. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110812.	5.0	67
10	Chondroitin sulfate-functionalized polyamidoamine as a tumor-targeted carrier for miR-34a delivery. Acta Biomaterialia, 2017, 57, 238-250.	8.3	54
11	Hyaluronic acid modification of RNase A and its intracellular delivery using lipid-like nanoparticles. Journal of Controlled Release, 2017, 263, 39-45.	9.9	52
12	Ring-opening polymerization of É›-caprolactone catalyzed by a novel thermophilic lipase from Fervidobacterium nodosum. Process Biochemistry, 2011, 46, 253-257.	3.7	48
13	Ring-opening polymerization of É›-caprolactone catalyzed by a novel thermophilic esterase from the archaeon Archaeoglobus fulgidus. Journal of Molecular Catalysis B: Enzymatic, 2009, 56, 151-157.	1.8	46
14	Chemoenzymatic synthesis of polymeric materials using lipases as catalysts: A review. Biotechnology Advances, 2014, 32, 642-651.	11.7	46
15	Deuterohemin-Peptide Enzyme Mimic-Embedded Metal-Organic Frameworks through Biomimetic Mineralization with Efficient ATRP Catalytic Activity. ACS Applied Materials & Interfaces, 2017, 9, 26948-26957.	8.0	45
16	Combination of doxorubicin-based chemotherapy and polyethylenimine/p53 gene therapy for the treatment of lung cancer using porous PLGA microparticles. Colloids and Surfaces B: Biointerfaces, 2014, 122, 498-504.	5.0	43
17	Sonochemical Synthesis of Hydrophilic Drug Loaded Multifunctional Bovine Serum Albumin Nanocapsules. ACS Applied Materials & Interfaces, 2015, 7, 19390-19397.	8.0	41
18	Improving the Intracellular Drug Concentration in Lung Cancer Treatment through the Codelivery of Doxorubicin and miR-519c Mediated by Porous PLGA Microparticle. Molecular Pharmaceutics, 2016, 13, 3925-3933.	4.6	39

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19	Povidone-iodine-functionalized fluorinated copolymers with dual-functional antibacterial and antifouling activities. Biomaterials Science, 2019, 7, 3334-3347.	5.4	39
20	N-Isopropylacrylamide-modified polyethylenimine-mediated p53 gene delivery to prevent the proliferation of cancer cells. Colloids and Surfaces B: Biointerfaces, 2015, 129, 54-62.	5.0	34
21	An ATP-Responsive Codelivery System of Doxorubicin and MiR-34a To Synergistically Inhibit Cell Proliferation and Migration. Molecular Pharmaceutics, 2017, 14, 2323-2332.	4.6	32
22	Inhibition of cell proliferation through an ATP-responsive co-delivery system of doxorubicin and Bcl-2 siRNA. International Journal of Nanomedicine, 2017, Volume 12, 4721-4732.	6.7	29
23	Phenol degradation catalyzed by a peroxidase mimic constructed through the grafting of heme onto metal-organic frameworks. Bioresource Technology, 2018, 247, 1246-1248.	9.6	29
24	Silibinin Triggers Apoptosis and Cellâ€€cycle Arrest of SGC7901 Cells. Phytotherapy Research, 2013, 27, 397-403.	5.8	28
25	Phenylboronic acid-functionalized polyamidoamine-mediated miR-34a delivery for the treatment of gastric cancer. Biomaterials Science, 2019, 7, 1632-1642.	5.4	28
26	Biocatalytic Synthesis of Poly(Î´-Valerolactone) Using a Thermophilic Esterase from Archaeoglobus fulgidus as Catalyst. International Journal of Molecular Sciences, 2012, 13, 12232-12241.	4.1	27
27	Immobilized enzymes in inorganic hybrid nanoflowers for biocatalytic and biosensing applications. Journal of Materials Chemistry B, 2021, 9, 7597-7607.	5.8	27
28	Synthesis of multifunctional bovine serum albumin microcapsules by the sonochemical method for targeted drug delivery and controlled drug release. Colloids and Surfaces B: Biointerfaces, 2015, 136, 470-478.	5.0	26
29	Inhibition of cell proliferation and migration through nucleobase-modified polyamidoamine-mediated p53 delivery. International Journal of Nanomedicine, 2018, Volume 13, 1297-1311.	6.7	26
30	Urate oxidase loaded in PCN-222(Fe) with peroxidase-like activity for colorimetric detection of uric acid. Journal of Materials Chemistry B, 2021, 9, 6811-6817.	5.8	25
31	Disulfiram-loaded porous PLGA microparticle for inhibiting the proliferation and migration of non-small-cell lung cancer. International Journal of Nanomedicine, 2017, Volume 12, 827-837.	6.7	24
32	Solvent effects on the enantioselectivity of the thermophilic lipase QLM in the resolution of (R,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.8	23
33	Immobilization of thermophilic lipase in inorganic hybrid nanoflower through biomimetic mineralization. Colloids and Surfaces B: Biointerfaces, 2021, 197, 111450.	5.0	23
34	Induction of apoptosis in cancer cells through N-acetyl-l-leucine-modified polyethylenimine-mediated p53 gene delivery. Colloids and Surfaces B: Biointerfaces, 2015, 135, 630-638.	5.0	22
35	Phenylboronic acid-functionalized polyamidoamine-mediated Bcl-2 siRNA delivery for inhibiting the cell proliferation. Colloids and Surfaces B: Biointerfaces, 2016, 146, 318-325.	5.0	22
36	Nucleobase-modified polyamidoamine-mediated miR-23b delivery to inhibit the proliferation and migration of lung cancer. Biomaterials Science, 2017, 5, 2268-2275.	5.4	22

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37	Delivery of DNAzyme targeting aurora kinase A to inhibit the proliferation and migration of human prostate cancer. International Journal of Nanomedicine, 2015, 10, 5715.	6.7	21
38	Nano-Scaled Zeolitic Imidazole Framework-8 as an Efficient Carrier for the Intracellular Delivery of RNase A in Cancer Treatment . International Journal of Nanomedicine, 2019, Volume 14, 9971-9981.	6.7	21
39	Nucleolin-Targeting AS1411 Aptamer-Modified Micelle for the Co-Delivery of Doxorubicin and miR-519c to Improve the Therapeutic Efficacy in Hepatocellular Carcinoma Treatment. International Journal of Nanomedicine, 2021, Volume 16, 2569-2584.	6.7	21
40	Immobilization of Thermostable Lipase QLM on Core-Shell Structured Polydopamine-Coated Fe3O4 Nanoparticles. Catalysts, 2017, 7, 49.	3.5	18
41	Glutaraldehyde Cross-Linking of Immobilized Thermophilic Esterase on Hydrophobic Macroporous Resin for Application in Poly(ıµ-caprolactone) Synthesis. Molecules, 2014, 19, 9838-9849.	3.8	16
42	Facile Synthesis of Block Copolymers by Tandem ROMP and eROP from Esters Precursors. Biomacromolecules, 2014, 15, 3112-3118.	5.4	16
43	Inhibition of cell proliferation and migration by chondroitin sulfate- g -polyethylenimine-mediated miR-34a delivery. Colloids and Surfaces B: Biointerfaces, 2015, 136, 577-584.	5.0	16
44	Artesunate-loaded porous PLGA microsphere as a pulmonary delivery system for the treatment of non-small cell lung cancer. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111937.	5.0	16
45	Antibacterial Povidone-Iodine-Conjugated Cross-Linked Polystyrene Resin for Water Bacterial Decontamination. ACS Applied Bio Materials, 2019, 2, 1310-1321.	4.6	15
46	Chemoenzymatic Synthesis of Cholesterol-<i>g</i>-Poly(amine-<i>co</i>-ester) Amphiphilic Copolymer as a Carrier for miR-23b Delivery. ACS Macro Letters, 2017, 6, 523-528.	4.8	14
47	Enantioâ€, Regioâ€, and Chemoselective Lipaseâ€Catalyzed Polymer Synthesis. Macromolecular Bioscience, 2018, 18, e1800131.	4.1	14
48	N-Isopropylacrylamide-modified polyethylenimine-mediated miR-29a delivery to inhibit the proliferation and migration of lung cancer cells. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111463.	5.0	14
49	Reactive Oxygen Species-Mediated Inflammation and Apoptosis in Hand-Foot Syndrome Induced by PEGylated Liposomal Doxorubicin. International Journal of Nanomedicine, 2021, Volume 16, 471-480.	6.7	14
50	Phenylboronic acid-modified polyamidoamine-mediated delivery of short GC rich DNA for hepatocarcinoma gene therapy. Biomaterials Science, 2019, 7, 3348-3358.	5.4	13
51	Immobilization of urease in metalâ€“organic frameworks via biomimetic mineralization and its application in urea degradation. Chinese Journal of Chemical Engineering, 2020, 28, 2173-2180.	3.5	13
52	Highly efficient ring-opening polymerization of É›-caprolactone catalyzed by a recombinant Escherichia coli whole-cell biocatalyst. Process Biochemistry, 2011, 46, 477-481.	3.7	12
53	Thermophilic esterase from the archaeon Archaeoglobus fulgidus physically immobilized on hydrophobic macroporous resin: A novel biocatalyst for polyester synthesis. Biotechnology and Bioprocess Engineering, 2011, 16, 1201-1207.	2.6	12
54	Chondroitin sulfate-functionalized polyamidoamine-mediated miR-34a delivery for inhibiting the proliferation and migration of pancreatic cancer. RSC Advances, 2016, 6, 70870-70876.	3.6	12

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55	Porous PLGA microparticles to encapsulate doxorubicin and polyethylenimine/miR-34a for inhibiting the proliferation and migration of lung cancer. RSC Advances, 2015, 5, 81445-81448.	3.6	11
56	Construction of an Immobilized Thermophilic Esterase on Epoxy Support for Poly(Îµ-caprolactone) Synthesis. Molecules, 2016, 21, 796.	3.8	11
57	A comprehensive review on histone-mediated transfection for gene therapy. Biotechnology Advances, 2019, 37, 132-144.	11.7	11
58	Genipin-Cross-Linked Thermophilic Histone-Polyethylenimine as a Hybrid Gene Carrier. ACS Macro Letters, 2015, 4, 575-578.	4.8	9
59	Ideal and Reality: Barricade in the Delivery of Small Interfering RNA for Cancer Therapy. Current Pharmaceutical Biotechnology, 2016, 17, 237-247.	1.6	9
60	One-Pot Combination of eROP and ROMP for the Synthesis of Block Copolymers. Macromolecular Chemistry and Physics, 2015, 216, 2107-2114.	2.2	8
61	Inhibition of proliferation and migration of tumor cells through phenylboronic acid-functionalized polyamidoamine-mediated delivery of a therapeutic DNAzyme Dz13 . International Journal of Nanomedicine, 2019, Volume 14, 6371-6385.	6.7	8
62	Lipase-catalyzed synthesis of poly(Îµ-caprolactone) and characterization of its solid-state properties. Biocatalysis and Biotransformation, 2011, 29, 337-343.	2.0	7
63	A peroxidase mimic with atom transfer radical polymerization activity constructed through the grafting of heme onto metal-organic frameworks. Journal of Colloid and Interface Science, 2018, 521, 62-68.	9.4	7
64	A genipin-crosslinked proteinâ€“polymer hybrid system for the intracellular delivery of ribonuclease A . International Journal of Nanomedicine, 2019, Volume 14, 7389-7398.	6.7	6
65	Genome editing of PD-L1 mediated by nucleobase-modified polyamidoamine for cancer immunotherapy. Journal of Materials Chemistry B, 2022, 10, 1291-1300.	5.8	6
66	Chemically conjugating poly(amidoamine) with chondroitin sulfate to promote CD44-mediated endocytosis for miR-34a delivery. Journal of Controlled Release, 2015, 213, e95-e96.	9.9	5
67	2-Amino-6-chloropurine-modified polyamidoamine-mediated p53 gene transfection to achieve anti-tumor efficacy. New Journal of Chemistry, 2018, 42, 13375-13381.	2.8	5
68	Chemoenzymatic synthesis of a cholesterol-g-poly(amine-co-ester) carrier for p53 gene delivery to inhibit the proliferation and migration of tumor cells. New Journal of Chemistry, 2018, 42, 13541-13548.	2.8	5
69	Thermophilic lipase and recombinant Escherichia coli whole-cell: Novel biocatalysts for the synthesis of biodegradable polyesters. Journal of Controlled Release, 2011, 152, e221-e223.	9.9	4
70	Cell Debris Self-Immobilized Thermophilic Lipase: a Biocatalyst for Synthesizing Aliphatic Polyesters. Applied Biochemistry and Biotechnology, 2013, 170, 399-405.	2.9	4
71	Hydrophobic N -acetyl- l -leucine grafted polyethylenimine as an efficient carrier for DNAzyme delivery. Journal of Controlled Release, 2015, 213, e146-e147.	9.9	4
72	A proteinâ€“polymer hybrid gene carrier based on thermophilic histone and polyethylenimine. New Journal of Chemistry, 2015, 39, 6718-6721.	2.8	4

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73	A chemoenzymatically synthesized cholesterol-g-poly(amine-co-ester)-mediated p53 gene delivery for achieving antitumor efficacy in prostate cancer . International Journal of Nanomedicine, 2019, Volume 14, 1149-1161.	6.7	4
74	Dual ATP/reduction-responsive polyplex to achieve the co-delivery of doxorubicin and miR-23b for the cancer treatment. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111955.	5.0	4
75	A polyethylenimine derivative-based nanocarrier for the highly efficient delivery of p53 gene to inhibit the proliferation of cancer cells. Journal of Controlled Release, 2015, 213, e51.	9.9	3
76	Fluoropolymerâ€Mediated Intracellular Delivery of miRâ€23b for the Osteocyte Differentiation in Osteoblasts. Macromolecular Bioscience, 2021, 21, e2100024.	4.1	3
77	Lipoic Acid-Modified Oligoethyleneimine-Mediated miR-34a Delivery to Achieve the Anti-Tumor Efficacy. Molecules, 2021, 26, 4827.	3.8	3
78	Inhibition of proliferation and migration of tumor cells through lipoic acid-modified oligoethylenimine-mediated p53 gene delivery. New Journal of Chemistry, 2019, 43, 2758-2765.	2.8	2
79	Optically-manipulated multiaddressable all-ESIPT fluorescence nanomicelles prepared using a single fluorophore. Journal of Materials Chemistry C, 2022, 10, 840-845.	5.5	2
80	Phenylboronic Acid-Modified Polyamidoamine Mediated the Transfection of Polo-Like Kinase-1 siRNA to Achieve an Anti-Tumor Efficacy. International Journal of Nanomedicine, 2021, Volume 16, 8037-8048.	6.7	2