Yi Yan Yang

List of Publications by Year
in descending order

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241 papers	20,287 citations	6254 80 h-index	11939 134 g-index
243 all docs	243 docs citations	243 times ranked	21329 citing authors

#	Article	IF	Citations
1	Effects of Hydrophobicity on Antimicrobial Activity, Selectivity, and Functional Mechanism of Guanidiniumâ€Functionalized Polymers. Advanced Healthcare Materials, 2022, 11, e2100482.	7.6	22
2	Potent Antiviral and Antimicrobial Polymers as Safe and Effective Disinfectants for the Prevention of Infections. Advanced Healthcare Materials, 2022, 11, e2101898.	7.6	6
3	Co₃O₄ Nanowires Capable of Discharging Low Voltage Electricity Showing Potent Antibacterial Activity for Treatment of Bacterial Skin Infection. Advanced Healthcare Materials, 2022, 11, e2102044.	7.6	10
4	Antimicrobial Polypeptides Capable of Membrane Translocation for Treatment of MRSA Wound Infection In Vivo. Advanced Healthcare Materials, 2022, 11, e2101770.	7.6	6
5	Harnessing the combined potential of cancer immunotherapy and nanomedicine: A new paradigm in cancer treatment. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 40, 102492.	3.3	4
6	Surface Antimicrobial Treatment by Biocompatible, Vertically Aligned Layered Double Hydroxide Array. Advanced Materials Interfaces, 2022, 9, .	3.7	4
7	Repurposing Non-Antibiotic Drugs Auranofin and Pentamidine in Combination to Combat Multidrug-Resistant Gram-Negative Bacteria. International Journal of Antimicrobial Agents, 2022, 59, 106582.	2.5	5
8	Drug-free neutrally charged polypeptide nanoparticles as anticancer agents. Journal of Controlled Release, 2022, 345, 464-474.	9.9	6
9	Silane-functionalized polyionenes-coated cotton fabrics with potent antimicrobial and antiviral activities. Biomaterials, 2022, 284, 121470.	11.4	15
10	Selective Capture, Separation, and Photothermal Inactivation of Methicillin-Resistant Staphylococcus aureus (MRSA) Using Functional Magnetic Nanoparticles. ACS Applied Materials & Interfaces, 2022, 14, 20566-20575.	8.0	12
11	Interpenetrating Polymer Network Hydrogels Formed Using Antibiotics as a Dynamic Crosslinker for Treatment of Infected Wounds. Advanced Healthcare Materials, 2022, 11, .	7.6	17
12	Carboxylic acid-functionalized polycarbonates as bone cement additives for enhanced and sustained release of antibiotics. Journal of Controlled Release, 2021, 329, 871-881.	9.9	12
13	Elucidating the anticancer activities of guanidinium-functionalized amphiphilic random copolymers by varying the structure and composition in the hydrophobic monomer. Theranostics, 2021, 11, 8977-8992.	10.0	3
14	Overcoming Barriers in Polycarbonate Synthesis: A Streamlined Approach for the Synthesis of Cyclic Carbonate Monomers. Macromolecules, 2021, 54, 1767-1774.	4.8	16
15	Accelerated antimicrobial discovery via deep generative models and molecular dynamics simulations. Nature Biomedical Engineering, 2021, 5, 613-623.	22.5	157
16	Bacterial Outer Membraneâ€Coated Mesoporous Silica Nanoparticles for Targeted Delivery of Antibiotic Rifampicin against Gramâ€Negative Bacterial Infection In Vivo. Advanced Functional Materials, 2021, 31, 2103442.	14.9	62
17	Fight bacteria with bacteria: Bacterial membrane vesicles as vaccines and delivery nanocarriers against bacterial infections. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 35, 102398.	3.3	16
18	Exploring Reusability of Disposable Face Masks: Effects of Disinfection Methods on Filtration Efficiency, Breathability, and Fluid Resistance. Global Challenges, 2021, 5, 2100030.	3.6	3

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19	Recent advances in hydrogel-based anti-infective coatings. Journal of Materials Science and Technology, 2021, 85, 169-183.	10.7	40
20	Cationic polymer synergizing with chemotherapeutics and re-purposing antibiotics against cancer cells. Biomaterials Science, 2021, 9, 2174-2182.	5.4	3
21	Broadâ€Spectrum Antiviral Peptides and Polymers. Advanced Healthcare Materials, 2021, 10, e2101113.	7.6	22
22	Synthetic peptide hydrogels as 3D scaffolds for tissue engineering. Advanced Drug Delivery Reviews, 2020, 160, 78-104.	13.7	76
23	A Macromolecule Reversing Antibiotic Resistance Phenotype and Repurposing Drugs as Potent Antibiotics. Advanced Science, 2020, 7, 2001374.	11.2	53
24	Buckyball-Based Spherical Display of Crown Ethers for De Novo Custom Design of Ion Transport Selectivity. Journal of the American Chemical Society, 2020, 142, 21082-21090.	13.7	35
25	Biodegradable Cationic Polycarbonates as Vaccine Adjuvants. ACS Applied Materials & Interfaces, 2020, 12, 52285-52297.	8.0	13
26	Iron-based nano-structured surfaces with antimicrobial properties. Journal of Materials Chemistry B, 2020, 8, 10146-10153.	5.8	8
27	Combination of guanidinium and quaternary ammonium polymers with distinctive antimicrobial mechanisms achieving a synergistic antimicrobial effect. Biomaterials Science, 2020, 8, 6920-6929.	5.4	21
28	Branched Î±-helical peptides enhanced antitumor efficacy and selectivity. Biomaterials Science, 2020, 8, 6387-6394.	5.4	4
29	Cell membrane-engineered hybrid soft nanocomposites for biomedical applications. Journal of Materials Chemistry B, 2020, 8, 5578-5596.	5.8	11
30	Synthetic macromolecules as therapeutics that overcome resistance in cancer and microbial infection. Biomaterials, 2020, 252, 120078.	11.4	99
31	Surface tethering of stromal cell-derived factor-1Î± carriers to stem cells enhances cell homing to ischemic muscle. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 28, 102215.	3.3	2
32	The effect of solvent quality on pathway-dependent solution-state self-assembly of an amphiphilic diblock copolymer. Journal of Applied Physics, 2020, 127, 125104.	2.5	4
33	Surface Tethering of Inflammation-Modulatory Nanostimulators to Stem Cells for Ischemic Muscle Repair. ACS Nano, 2020, 14, 5298-5313.	14.6	20
34	The effect of solvent quality on pathway-dependent solution-state self-assembly of an amphiphilic diblock copolymer. Journal of Applied Physics, 2020, 127, 1251041-1251048.	2.5	0
35	Upcycling Poly(ethylene terephthalate) Refuse to Advanced Therapeutics for the Treatment of Nosocomial and Mycobacterial Infections. Macromolecules, 2019, 52, 7878-7885.	4.8	33
36	Subcutaneous vaccination using injectable biodegradable hydrogels for long-term immune response. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 21, 102056.	3.3	23

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37	Optimization of a Novel Preferential Covered Stent through Bench Experiments and in Vitro Platelet Activation Studies. ACS Biomaterials Science and Engineering, 2019, 5, 6216-6230.	5.2	1
38	Celebration of a chemical centenary. Nature Chemistry, 2019, 11, 870-871.	13.6	0
39	Functional cationic derivatives of starch as antimicrobial agents. Polymer Chemistry, 2019, 10, 412-423.	3.9	26
40	Polymers with distinctive anticancer mechanism that kills MDR cancer cells and inhibits tumor metastasis. Biomaterials, 2019, 199, 76-87.	11.4	50
41	Degradable antimicrobial polycarbonates with unexpected activity and selectivity for treating multidrug-resistant Klebsiella pneumoniae lung infection in mice. Acta Biomaterialia, 2019, 94, 268-280.	8.3	38
42	Identification of Structural Attributes Contributing to the Potency and Selectivity of Antimicrobial Polyionenes: Amides Are Better Than Esters. Biomacromolecules, 2019, 20, 2737-2742.	5.4	17
43	Effective encapsulation of apomorphine into biodegradable polymeric nanoparticles through a reversible chemical bond for delivery across the bloodâ€“brain barrier. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 236-245.	3.3	27
44	Surface tethering of stem cells with H2O2-responsive anti-oxidizing colloidal particles for protection against oxidation-induced death. Biomaterials, 2019, 201, 1-15.	11.4	28
45	Sensitization of Cancer Cells via Non-Viral Delivery of Apoptosis Inducing Proteins Using a Cationic Bolaamphiphile. Biotechnology Journal, 2019, 14, 1800020.	3.5	0
46	Hydrogels with prolonged release of therapeutic antibody: Block junction chemistry modification of â€˜ABAâ€™ copolymers provides superior anticancer efficacy. Journal of Controlled Release, 2019, 293, 193-200.	9.9	21
47	Phenylboronic Acid Functionalized Polycarbonate Hydrogels for Controlled Release of Polymyxin B in Pseudomonas Aeruginosa Infected Burn Wounds. Advanced Healthcare Materials, 2018, 7, e1701388.	7.6	36
48	A macromolecular approach to eradicate multidrug resistant bacterial infections while mitigating drug resistance onset. Nature Communications, 2018, 9, 917.	12.8	261
49	Addressing Drug Resistance in Cancer with Macromolecular Chemotherapeutic Agents. Journal of the American Chemical Society, 2018, 140, 4244-4252.	13.7	100
50	Metal Nanoparticles for Diagnosis and Therapy of Bacterial Infection. Advanced Healthcare Materials, 2018, 7, e1701392.	7.6	145
51	Fabrication and Characterization of Hybrid Stealth Liposomes. Macromolecules, 2018, 51, 3184-3192.	4.8	19
52	Cholesterol functionalized aliphaticN-substituted 8-membered cyclic carbonate. Polymer Chemistry, 2018, 9, 2434-2437.	3.9	11
53	Enthalpy-driven micellization of oligocarbonate-fluorene end-functionalized Poly(ethylene glycol). Polymer, 2018, 134, 94-103.	3.8	9
54	Engineering Polymersomes for Diagnostics and Therapy. Advanced Healthcare Materials, 2018, 7, e1701276.	7.6	97

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55	Injectable Coacervate Hydrogel for Delivery of Anticancer Drug-Loaded Nanoparticles in vivo. ACS Applied Materials & Interfaces, 2018, 10, 13274-13282.	8.0	63
56	A halogen bond-mediated highly active artificial chloride channel with high anticancer activity. Chemical Science, 2018, 9, 4044-4051.	7.4	92
57	Supramolecular nanofibers self-assembled from cationic small molecules derived from repurposed poly(ethylene teraphthalate) for antibiotic delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 165-172.	3.3	26
58	Nanomaterials in the Prevention, Diagnosis, and Treatment of Mycobacterium Tuberculosis Infections. Advanced Healthcare Materials, 2018, 7, 1700509.	7.6	31
59	Delivery of NF-Î°B shRNA using carbamate-mannose modified PEI for eliminating cancer stem cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 405-414.	3.3	19
60	Peptideâ€Functionalized Polyurethane Coatings Prepared via Graftingâ€To Strategy to Selectively Promote Endothelialization. Advanced Healthcare Materials, 2018, 7, 1700944.	7.6	30
61	Pore Diameter of Mesoporous Silica Modulates Oxidation of H₂O₂-Sensing Chromophore in a Porous Matrix. Langmuir, 2018, 34, 11242-11252.	3.5	6
62	Dual pH-Responsive Shell-Cleavable Polycarbonate Micellar Nanoparticles for in Vivo Anticancer Drug Delivery. ACS Applied Materials & Interfaces, 2018, 10, 19355-19364.	8.0	70
63	Disease-directed design of biodegradable polymers: Reactive oxygen species and pH-responsive micellar nanoparticles for anticancer drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2666-2677.	3.3	29
64	Antimicrobial polymers as therapeutics for treatment of multidrug-resistant Klebsiella pneumoniae lung infection. Acta Biomaterialia, 2018, 78, 78-88.	8.3	68
65	Diatom Microbubbler for Active Biofilm Removal in Confined Spaces. ACS Applied Materials & Interfaces, 2018, 10, 35685-35692.	8.0	18
66	Enthalpy-driven micellization of oligocarbonate-fluorene end-functionalized Poly(ethylene glycol). Macromolecules, 2018, 134, .	4.8	0
67	Self-Assembly and Dynamics Driven by Oligocarbonateâ€“Fluorene End-Functionalized Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ove	4.8	10
68	Short Synthetic Î±â€Helicalâ€Forming Peptide Amphiphiles for Fungal Keratitis Treatment In Vivo. Advanced Healthcare Materials, 2017, 6, 1600777.	7.6	21
69	Non-Isocyanate Polyurethane Soft Nanoparticles Obtained by Surfactant-Assisted Interfacial Polymerization. Langmuir, 2017, 33, 1959-1968.	3.5	36
70	Short Synthetic Î²â€Sheet Antimicrobial Peptides for the Treatment of Multidrugâ€Resistant Pseudomonas aeruginosa Burn Wound Infections. Advanced Healthcare Materials, 2017, 6, 1601134.	7.6	44
71	Convergent Approach to Boronic Acid Functionalized Polycarbonates: Accessing New Dynamic Material Platforms. ACS Macro Letters, 2017, 6, 252-256.	4.8	10
72	Self-Assembled, Biodegradable Magnetic Resonance Imaging Agents: Organic Radical-Functionalized Diblock Copolymers. ACS Macro Letters, 2017, 6, 176-180.	4.8	35

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73	Highly potent antimicrobial polyionenes with rapid killing kinetics, skin biocompatibility and inÂvivo bactericidal activity. Biomaterials, 2017, 127, 36-48.	11.4	81
74	Broad Spectrum Macromolecular Antimicrobials with Biofilm Disruption Capability and In Vivo Efficacy. Advanced Healthcare Materials, 2017, 6, 1601420.	7.6	34
75	Disruption of drug-resistant biofilms using de novo designed short Î±-helical antimicrobial peptides with idealized facial amphiphilicity. Acta Biomaterialia, 2017, 57, 103-114.	8.3	77
76	Biodegradable cationic poly(carbonates): Effect of varying side chain hydrophobicity on key aspects of gene transfection. Acta Biomaterialia, 2017, 54, 201-211.	8.3	26
77	Biodegradable Strain-Promoted Click Hydrogels for Encapsulation of Drug-Loaded Nanoparticles and Sustained Release of Therapeutics. Biomacromolecules, 2017, 18, 2277-2285.	5.4	32
78	Preparation of Biodegradable Cationic Polycarbonates and Hydrogels through the Direct Polymerization of Quaternized Cyclic Carbonates. ACS Biomaterials Science and Engineering, 2017, 3, 1567-1575.	5.2	28
79	Au-Ag core-shell nanoparticles for simultaneous bacterial imaging and synergistic antibacterial activity. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 297-305.	3.3	83
80	pH and redox dual-responsive biodegradable polymeric micelles with high drug loading for effective anticancer drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 431-442.	3.3	67
81	Amphiphilic and Hydrophilic Block Copolymers from Aliphatic N-Substituted 8-Membered Cyclic Carbonates: A Versatile Macromolecular Platform for Biomedical Applications. Biomacromolecules, 2017, 18, 178-188.	5.4	48
82	Tuning the Selectivity of Biodegradable Antimicrobial Cationic Polycarbonates by Exchanging the Counterâ€Anion. Macromolecular Bioscience, 2016, 16, 1360-1367.	4.1	25
83	Antimicrobial silica particles synthesized via ring-opening grafting of cationic amphiphilic cyclic carbonates: effects of hydrophobicity and structure. Polymer Chemistry, 2016, 7, 2192-2201.	3.9	11
84	Cooperative Orthogonal Macromolecular Assemblies with Broad Spectrum Antiviral Activity, High Selectivity, and Resistance Mitigation. Macromolecules, 2016, 49, 2618-2629.	4.8	20
85	Unnatural amino acid analogues of membrane-active helical peptides with anti-mycobacterial activity and improved stability. Journal of Antimicrobial Chemotherapy, 2016, 71, 2181-2191.	3.0	55
86	Simple and cost-effective polycondensation routes to antimicrobial consumer products. Polymer Chemistry, 2016, 7, 3923-3932.	3.9	11
87	Facile carbohydrate-mimetic modifications of poly(ethylene imine) carriers for gene delivery applications. Polymer Chemistry, 2016, 7, 5862-5872.	3.9	9
88	Biodegradable functional polycarbonate micelles for controlled release of amphotericin B. Acta Biomaterialia, 2016, 46, 211-220.	8.3	69
89	Expanding the Cationic Polycarbonate Platform: Attachment of Sulfonium Moieties by Postpolymerization Ring Opening of Epoxides. ACS Macro Letters, 2016, 5, 1247-1252.	4.8	24
90	Broadâ€Spectrum Antimicrobial Star Polycarbonates Functionalized with Mannose for Targeting Bacteria Residing inside Immune Cells. Advanced Healthcare Materials, 2016, 5, 1272-1281.	7.6	50

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91	Design and synthesis of biodegradable grafted cationic polycarbonates as broad spectrum antimicrobial agents. Journal of Polymer Science Part A, 2016, 54, 1029-1035.	2.3	16
92	Room temperature synthesis of non-isocyanate polyurethanes (NIPUs) using highly reactive N-substituted 8-membered cyclic carbonates. Polymer Chemistry, 2016, 7, 2105-2111.	3.9	71
93	Organocatalytic Anticancer Drug Loading of Degradable Polymeric Mixed Micelles via a Biomimetic Mechanism. Macromolecules, 2016, 49, 2013-2021.	4.8	38
94	Antimicrobial coatings against biofilm formation: the unexpected balance between antifouling and bactericidal behavior. Polymer Chemistry, 2016, 7, 656-668.	3.9	44
95	Co-delivery of drugs and plasmid DNA for cancer therapy. Advanced Drug Delivery Reviews, 2016, 98, 41-63.	13.7	191
96	Ovarian Cancer Immunotherapy Using PDâ€Ł1 siRNA Targeted Delivery from Folic Acidâ€Functionalized Polyethylenimine: Strategies to Enhance T Cell Killing. Advanced Healthcare Materials, 2015, 4, 1180-1189.	7.6	140
97	Biodegradable Antimicrobial Polycarbonates with In Vivo Efficacy against Multidrugâ€Resistant MRSA Systemic Infection. Advanced Healthcare Materials, 2015, 4, 2128-2136.	7.6	50
98	Thermoresponsive Random Poly(ether urethanes) with Tailorable LCSTs for Anticancer Drug Delivery. Macromolecular Rapid Communications, 2015, 36, 1761-1767.	3.9	37
99	Starâ€Like Structure of Oligocarbonateâ€Fluorene Endâ€Functionalized Poly(ethylene glycol) ABA Triblock Copolymers Below the Gel Point. Macromolecular Symposia, 2015, 358, 157-169.	0.7	4
100	A novel chemosynthetic peptide with ß-sheet motif efficiently kills Klebsiella pneumoniae in a mouse model. International Journal of Nanomedicine, 2015, 10, 1045.	6.7	14
101	Plasmonâ€Coupled Gold Nanospheres for Twoâ€Photon Imaging and Photoantibacterial Activity. Advanced Healthcare Materials, 2015, 4, 674-678.	7.6	28
102	Polyurethane-coated silica particles with broad-spectrum antibacterial properties. Polymer Chemistry, 2015, 6, 2011-2022.	3.9	18
103	Antimicrobial/Antifouling Polycarbonate Coatings: Role of Block Copolymer Architecture. Macromolecules, 2015, 48, 1055-1064.	4.8	68
104	Injectable Biodegradable Hydrogels from Vitamin D-Functionalized Polycarbonates for the Delivery of Avastin with Enhanced Therapeutic Efficiency against Metastatic Colorectal Cancer. Biomacromolecules, 2015, 16, 465-475.	5.4	51
105	Synthetic Î²-sheet forming peptide amphiphiles for treatment of fungal keratitis. Biomaterials, 2015, 43, 44-49.	11.4	46
106	Delivery of therapeutics using nanocarriers for targeting cancer cells and cancer stem cells. Nanomedicine, 2015, 10, 143-160.	3.3	30
107	Modular composite hydrogels from cholesterol-functionalized polycarbonates for antimicrobial applications. Journal of Materials Chemistry B, 2015, 3, 6953-6963.	5.8	20
108	Broad-Spectrum Antimicrobial/Antifouling Soft Material Coatings Using Poly(ethylenimine) as a Tailorable Scaffold. Biomacromolecules, 2015, 16, 1967-1977.	5.4	49

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109	Hydrophilic Polycarbonates: Promising Degradable Alternatives to Poly(ethylene glycol)-Based Stealth Materials. Macromolecules, 2015, 48, 1673-1678.	4.8	64
110	Broad-Spectrum Antimicrobial Polycarbonate Hydrogels with Fast Degradability. Biomacromolecules, 2015, 16, 1169-1178.	5.4	90
111	Structure-directing star-shaped block copolymers: Supramolecular vesicles for the delivery of anticancer drugs. Journal of Controlled Release, 2015, 208, 93-105.	9.9	60
112	Designing Î±-helical peptides with enhanced synergism and selectivity against Mycobacterium smegmatis: Discerning the role of hydrophobicity and helicity. Acta Biomaterialia, 2015, 28, 99-108.	8.3	61
113	Equilibrium Self-Assembly, Structure, and Dynamics of Clusters of Star-Like Micelles. ACS Macro Letters, 2015, 4, 1128-1133.	4.8	13
114	Developments in Dynamic Covalent Chemistries from the Reaction of Thiols with Hexahydrotriazines. Journal of the American Chemical Society, 2015, 137, 14248-14251.	13.7	28
115	Biodegradable Block Copolyelectrolyte Hydrogels for Tunable Release of Therapeutics and Topical Antimicrobial Skin Treatment. ACS Macro Letters, 2015, 4, 886-891.	4.8	19
116	Enhancing the Biocompatibility and Biodegradability of Linear Poly(ethylene imine) through Controlled Oxidation. Macromolecules, 2015, 48, 7420-7427.	4.8	21
117	A Simple and Facile Approach to Aliphatic N-Substituted Functional Eight-Membered Cyclic Carbonates and Their Organocatalytic Polymerization. Journal of the American Chemical Society, 2015, 137, 13851-13860.	13.7	81
118	Codelivery of dual drugs from polymeric micelles for simultaneous targeting of both cancer cells and cancer stem cells. Nanomedicine, 2015, 10, 2819-2832.	3.3	12
119	Coâ€Đelivery of Antiviral and Antifungal Therapeutics for the Treatment of Sexually Transmitted Infections using a Moldable, Supramolecular Hydrogel. Advanced Healthcare Materials, 2015, 4, 385-394.	7.6	19
120	Enhancement of Cationic Antimicrobial Materials via Cholesterol Incorporation. Advanced Healthcare Materials, 2014, 3, 882-889.	7.6	39
121	CATIONIC BOLAAMPHIPHILES FOR GENE DELIVERY. Cosmos, 2014, 10, 25-38.	0.4	1
122	Brushâ€Like Polycarbonates Containing Dopamine, Cations, and PEG Providing a Broadâ€Spectrum, Antibacterial, and Antifouling Surface via Oneâ€Step Coating. Advanced Materials, 2014, 26, 7346-7351.	21.0	227
123	Insights into EPR Effect versus Lectinâ€mediated Targeted Delivery: Biodegradable Polycarbonate Micellar Nanoparticles with and without Galactose Surface Decoration. Small, 2014, 10, 4281-4286.	10.0	26
124	Strategies employed in the design and optimization of synthetic antimicrobial peptide amphiphiles with enhanced therapeutic potentials. Advanced Drug Delivery Reviews, 2014, 78, 28-45.	13.7	231
125	Fluorene-functionalized aliphatic polycarbonates: design, synthesis and aqueous self-assembly of amphiphilic block copolymers. Polymer Chemistry, 2014, 5, 2035-2040.	3.9	27
126	Injectable Hydrogels from Triblock Copolymers of Vitamin Eâ€Functionalized Polycarbonate and Poly(ethylene glycol) for Subcutaneous Delivery of Antibodies for Cancer Therapy. Advanced Functional Materials, 2014, 24, 1538-1550.	14.9	88

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127	Effect of stereochemistry, chain length and sequence pattern on antimicrobial properties of short synthetic Î²-sheet forming peptide amphiphiles. Biomaterials, 2014, 35, 1315-1325.	11.4	92
128	Antimicrobial Polycarbonates: Investigating the Impact of Nitrogen-Containing Heterocycles as Quaternizing Agents. Macromolecules, 2014, 47, 1285-1291.	4.8	117
129	Anti-mycobacterial activities of synthetic cationic Î±-helical peptides and their synergism with rifampicin. Biomaterials, 2014, 35, 2032-2038.	11.4	105
130	Co-delivery of thioridazine and doxorubicin using polymeric micelles for targeting both cancer cells and cancer stem cells. Biomaterials, 2014, 35, 1096-1108.	11.4	172
131	Antimicrobial hydrogels: A new weapon in the arsenal against multidrug-resistant infections. Advanced Drug Delivery Reviews, 2014, 78, 46-62.	13.7	233
132	Benzyl Chloride-Functionalized Polycarbonates: A Versatile Platform for the Synthesis of Functional Biodegradable Polycarbonates. Macromolecules, 2014, 47, 7725-7731.	4.8	41
133	Emergence of multidrug-resistant bacteria: important role of macromolecules and drug delivery systems. Advanced Drug Delivery Reviews, 2014, 78, 1-2.	13.7	3
134	pH-sensitive polycarbonate micelles for enhanced intracellular release of anticancer drugs: a strategy to circumvent multidrug resistance. Polymer Chemistry, 2014, 5, 2621.	3.9	64
135	Phenformin-loaded polymeric micelles for targeting both cancer cells and cancer stem cells inÂvitro and inÂvivo. Biomaterials, 2014, 35, 9177-9186.	11.4	44
136	Chemically modifiable N-heterocycle-functionalized polycarbonates as a platform for diverse smart biomimetic nanomaterials. Chemical Science, 2014, 5, 3294-3300.	7.4	38
137	Overcoming Multidrug Resistance in Microbials Using Nanostructures Selfâ€Assembled from Cationic Bentâ€Core Oligomers. Small, 2014, 10, 4130-4135.	10.0	28
138	Role of non-covalent and covalent interactions in cargo loading capacity and stability of polymeric micelles. Journal of Controlled Release, 2014, 193, 9-26.	9.9	109
139	Synthetic modifications of the immunomodulating peptide thymopentin to confer anti-mycobacterial activity. Biomaterials, 2014, 35, 3102-3109.	11.4	19
140	Hydrophobic modification of low molecular weight polyethylenimine for improved gene transfection. Biomaterials, 2013, 34, 7971-7979.	11.4	96
141	Mitigated Cytotoxicity and Tremendously Enhanced Gene Transfection Efficiency of PEI through Facile Oneâ€Step Carbamate Modification. Advanced Healthcare Materials, 2013, 2, 1304-1308.	7.6	33
142	Short Synthetic Î²â€Sheet Forming Peptide Amphiphiles as Broad Spectrum Antimicrobials with Antibiofilm and Endotoxin Neutralizing Capabilities. Advanced Functional Materials, 2013, 23, 3682-3692.	14.9	116
143	Antimicrobial Polycarbonates: Investigating the Impact of Balancing Charge and Hydrophobicity Using a Same-Centered Polymer Approach. Biomacromolecules, 2013, 14, 4331-4339.	5.4	124
144	Supramolecular high-aspect ratio assemblies with strong antifungal activity. Nature Communications, 2013, 4, 2861.	12.8	79

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145	Biodegradable Broad-Spectrum Antimicrobial Polycarbonates: Investigating the Role of Chemical Structure on Activity and Selectivity. Macromolecules, 2013, 46, 8797-8807.	4.8	120
146	The effect of kinetic stability on biodistribution and anti-tumor efficacy of drug-loaded biodegradable polymeric micelles. Biomaterials, 2013, 34, 3132-3140.	11.4	120
147	Accessing New Materials through Polymerization and Modification of a Polycarbonate with a Pendant Activated Ester. Macromolecules, 2013, 46, 1283-1290.	4.8	74
148	Broadâ€Spectrum Antimicrobial and Biofilmâ€Disrupting Hydrogels: Stereocomplexâ€Driven Supramolecular Assemblies. Angewandte Chemie - International Edition, 2013, 52, 674-678.	13.8	128
149	Polycarbonate-Based Brush Polymers with Detachable Disulfide-Linked Side Chains. ACS Macro Letters, 2013, 2, 332-336.	4.8	48
150	2-Amino-1,3-propane diols: a versatile platform for the synthesis of aliphatic cyclic carbonate monomers. Polymer Chemistry, 2013, 4, 2945.	3.9	45
151	Polymerizing Base Sensitive Cyclic Carbonates Using Acid Catalysis. ACS Macro Letters, 2013, 2, 306-312.	4.8	83
152	Homogeneous isocyanate- and catalyst-free synthesis of polyurethanes in aqueous media. Green Chemistry, 2013, 15, 1121.	9.0	44
153	Formation of Disk- and Stacked-Disk-like Self-Assembled Morphologies from Cholesterol-Functionalized Amphiphilic Polycarbonate Diblock Copolymers. Macromolecules, 2013, 46, 4839-4846.	4.8	71
154	Delivery of a granzyme B inhibitor gene using carbamate-mannose modified PEI protects against cytotoxic lymphocyte killing. Biomaterials, 2013, 34, 3697-3705.	11.4	34
155	The potent antimicrobial properties of cell penetrating peptide-conjugated silver nanoparticles with excellent selectivity for Gram-positive bacteria over erythrocytes. Nanoscale, 2013, 5, 3834.	5.6	120
156	Block copolymer mixtures as antimicrobial hydrogels for biofilm eradication. Biomaterials, 2013, 34, 10278-10286.	11.4	65
157	Access to Different Nanostructures via Selfâ€Assembly of Thioureaâ€Containing PEGylated Amphiphiles. Macromolecular Rapid Communications, 2013, 34, 652-658.	3.9	13
158	Galactoseâ€Functionalized Cationic Polycarbonate Diblock Copolymer for Targeted Gene Delivery to Hepatocytes. Macromolecular Rapid Communications, 2013, 34, 1714-1720.	3.9	28
159	Synergistic Coâ€Delivery of Membraneâ€Disrupting Polymers with Commercial Antibiotics against Highly Opportunistic Bacteria. Advanced Materials, 2013, 25, 6730-6736.	21.0	120
160	Polymer-Based Cancer Nanotheranostics: Retrospectives of Multi-Functionalities and Pharmacokinetics. Current Drug Metabolism, 2013, 14, 661-674.	1.2	15
161	Broad-Spectrum Antimicrobial Supramolecular Assemblies with Distinctive Size and Shape. ACS Nano, 2012, 6, 9191-9199.	14.6	87
162	Emerging trends in macromolecular antimicrobials to fight multi-drug-resistant infections. Nano Today, 2012, 7, 201-222.	11.9	312

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163	Antimicrobial and Antifouling Hydrogels Formed In Situ from Polycarbonate and Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	21.6	229
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