Guolin Wu

List of Publications by Year
in descending order

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55 papers	1,655 citations	218677 26 h-index	302126 39 g-index
56 all docs	56 docs citations	56 times ranked	2535 citing authors

#	Article	IF	Citations
1	A pH, glucose, and dopamine triple-responsive, self-healable adhesive hydrogel formed by phenylborateâ€“catechol complexation. Polymer Chemistry, 2017, 8, 2997-3005.	3.9	109
2	Magnetic and pH-sensitive nanoparticles for antitumor drug delivery. Colloids and Surfaces B: Biointerfaces, 2013, 103, 15-22.	5.0	108
3	Biodegradable and temperature-responsive polyurethanes for adriamycin delivery. International Journal of Pharmaceutics, 2011, 412, 52-58.	5.2	65
4	Preparation and tunable temperature sensitivity of biodegradable polyurethane nanoassemblies from diisocyanate and poly(ethylene glycol). Soft Matter, 2011, 7, 3546.	2.7	62
5	A novel delivery system of doxorubicin with high load and pH-responsive release from the nanoparticles of poly (Î±,Î²-aspartic acid) derivative. European Journal of Pharmaceutical Sciences, 2012, 47, 256-264.	4.0	59
6	Injectable dopamineâ€modified poly(Î±,Î²â€aspartic acid) nanocomposite hydrogel as bioadhesive drug delivery system. Journal of Biomedical Materials Research - Part A, 2017, 105, 1000-1008.	4.0	58
7	Controlled Release of Protein from Biodegradable Multi-sensitive Injectable Poly(ether-urethane) Hydrogel. ACS Applied Materials & Interfaces, 2014, 6, 3640-3647.	8.0	55
8	Bioinspired, nucleobase-driven, highly resilient, and fast-responsive antifreeze ionic conductive hydrogels for durable pressure and strain sensors. Journal of Materials Chemistry A, 2021, 9, 20703-20713.	10.3	55
9	Renewable polyesters derived from 10-undecenoic acid and vanillic acid with versatile properties. Polymer Chemistry, 2014, 5, 2843-2853.	3.9	54
10	High-performance ionic conductive poly(vinyl alcohol) hydrogels for flexible strain sensors based on a universal soaking strategy. Materials Chemistry Frontiers, 2021, 5, 315-323.	5.9	51
11	Temperature-responsive drug delivery systems based on polyaspartamides with isopropylamine pendant groups. Soft Matter, 2013, 9, 7267.	2.7	48
12	A pH- and thermo-responsive poly(amino acid)-based drug delivery system. Colloids and Surfaces B: Biointerfaces, 2015, 136, 562-569.	5.0	48
13	Poly(N-isopropylacrylamide)/polydopamine/clay nanocomposite hydrogels with stretchability, conductivity, and dual light- and thermo- responsive bending and adhesive properties. Colloids and Surfaces B: Biointerfaces, 2019, 177, 149-159.	5.0	45
14	An injectable and biodegradable hydrogel based on poly(Î±,Î²â€aspartic acid) derivatives for localized drug delivery. Journal of Biomedical Materials Research - Part A, 2014, 102, 628-638.	4.0	43
15	Novel vanillic acid-based poly(etherâ€“ester)s: from synthesis to properties. Polymer Chemistry, 2015, 6, 797-804.	3.9	43
16	Amino poly(glycerol methacrylate)s for oligonucleic acid delivery with enhanced transfection efficiency and low cytotoxicity. Soft Matter, 2011, 7, 9239.	2.7	40
17	A pH and redox dual stimuli-responsive poly(amino acid) derivative for controlled drug release. Colloids and Surfaces B: Biointerfaces, 2016, 146, 396-405.	5.0	40
18	A hydrazone crosslinked zwitterionic polypeptide nanogel as a platform for controlled drug delivery. RSC Advances, 2014, 4, 50301-50311.	3.6	36

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19	Layer-by-layer assembled polyaspartamide nanocapsules for pH-responsive protein delivery. Colloids and Surfaces B: Biointerfaces, 2013, 108, 205-211.	5.0	35
20	A dual pH- and reduction-responsive anticancer drug delivery system based on PEGâ€“SSâ€“poly(amino) Tj ETQq0 0 0 rgBT /Overlock 10	3.6	34
21	Bioinspired tough, conductive hydrogels with thermally reversible adhesiveness based on nanoclay confined NIPAM polymerization and a dopamine modified polypeptide. Materials Chemistry Frontiers, 2020, 4, 189-196.	5.9	33
22	pH-responsive zwitterionic polypeptide as a platform for anti-tumor drug delivery. Colloids and Surfaces B: Biointerfaces, 2016, 145, 401-409.	5.0	32
23	Quaternized amino poly(glycerol-methacrylate)s for enhanced pDNA delivery. Polymer Chemistry, 2013, 4, 3514.	3.9	31
24	Synthesis of a novel zwitterionic biodegradable poly (Î±,Î²-l-aspartic acid) derivative with some l-histidine side-residues and its resistance to non-specific protein adsorption. Colloids and Surfaces B: Biointerfaces, 2011, 86, 237-241.	5.0	30
25	Magnetic nanoparticles with a pH-sheddable layer for antitumor drug delivery. Colloids and Surfaces B: Biointerfaces, 2014, 118, 218-225.	5.0	30
26	Dopamine-modified poly(amino acid): an efficient near-infrared photothermal therapeutic agent for cancer therapy. Journal of Materials Science, 2017, 52, 955-967.	3.7	29
27	Injectable dual redox responsive diselenideâ€containing poly(ethylene glycol) hydrogel. Journal of Biomedical Materials Research - Part A, 2017, 105, 2451-2460.	4.0	27
28	Synthesis and properties of polyesters derived from renewable eugenol and Î±,Ï‰-diols via a continuous overheating method. Polymer Chemistry, 2015, 6, 7138-7148.	3.9	25
29	Î²-Cyclodextrin-conjugated amino poly(glycerol methacrylate)s for efficient insulin delivery. RSC Advances, 2014, 4, 6478.	3.6	24
30	Temperature-triggered redox-degradable poly(ether urethane) nanoparticles for controlled drug delivery. Journal of Materials Chemistry, 2012, 22, 25217.	6.7	23
31	pH-Responsive Self-Assembly and conformational transition of partially propyl-esterified poly(Î±,Î²-l-aspartic acid) as amphiphilic biodegradable polyanion. Colloids and Surfaces B: Biointerfaces, 2009, 68, 13-19.	5.0	21
32	Synthesis and characterization of zwitterionic peptides derived from natural amino acids and their resistance to protein adsorption. RSC Advances, 2014, 4, 20665.	3.6	21
33	Imine bond cross-linked poly(ethylene glycol)-block-poly(aspartamide) complex micelle as a carrier to deliver anticancer drugs. RSC Advances, 2014, 4, 11244.	3.6	18
34	Magnetic and pH sensitive drug delivery system through NCA chemistry for tumor targeting. RSC Advances, 2014, 4, 15856-15862.	3.6	18
35	Toughened aromatic poly-(decylene terephthalate) copolyesters with two renewable eugenol-based components via a random copolymerization method. Polymer Chemistry, 2016, 7, 1096-1110.	3.9	18
36	Onâ€“off switchable drug release from multi-responsive degradable poly(ether urethane) nanoparticles. Biomaterials Science, 2013, 1, 614.	5.4	17

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37	Reverse micelles based on Î²-cyclodextrin-incorporated amphiphilic polyurethane copolymers for protein delivery. Polymer Chemistry, 2014, 5, 5300-5309.	3.9	17
38	Polyesters derived from bio-based eugenol and 10-undecenoic acid: synthesis, characterization, and structureâ€“property relationships. RSC Advances, 2015, 5, 85996-86005.	3.6	17
39	Synergy between Clinical Microenvironment Targeted Nanoplatform and Near-Infrared Light Irradiation for Managing Pseudomonas aeruginosa Infections. ACS Applied Materials & Interfaces, 2021, 13, 38979-38989.	8.0	15
40	Synthesis of amphiphilic polyaspartamide derivatives and construction of reverse micelles. RSC Advances, 2014, 4, 37130-37137.	3.6	14
41	PH responsive polypeptide based polymeric micelles for anticancer drug delivery. Journal of Biomedical Materials Research - Part A, 2015, 103, 3045-3053.	4.0	11
42	Preparation of a multifunctional verapamil-loaded nano-carrier based on a self-assembling PEGylated prodrug. Colloids and Surfaces B: Biointerfaces, 2015, 135, 682-688.	5.0	11
43	Synthesis, characterization and controlled drug release from temperature-responsive poly(ether-urethane) particles based on PEG-diisocyanates and aliphatic diols. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1676-1691.	3.5	10
44	Crosslinkable polyesters based on monomers derived from renewable lignin. RSC Advances, 2016, 6, 11848-11854.	3.6	10
45	Precise control of drug release from dually responsive poly(ether urethane) nanoparticles. RSC Advances, 2013, 3, 13859.	3.6	9
46	Synthesis and properties of temperature-sensitive and chemically crosslinkable poly(ether-urethane) hydrogel. Polymer Chemistry, 2015, 6, 3671-3684.	3.9	8
47	Aromatic poly(ether ester)s derived from a naturally occurring building block nipagin and linear aliphatic Î±,Ï‰-diols. RSC Advances, 2017, 7, 32989-33000.	3.6	8
48	Radionuclide 188 Reâ€Loaded Photothermal Hydrogel for Cancer Theranostics. Particle and Particle Systems Characterization, 2020, 37, 1900421.	2.3	8
49	A bio-inspired fluorescent nano-injectable hydrogel as a synergistic drug delivery system. New Journal of Chemistry, 2021, 45, 3079-3087.	2.8	8
50	Synthesis and characterization of biocompatible zwitterionic sulfobetaine polypeptides and their resistance to protein adsorption. Journal of Polymer Research, 2014, 21, 1.	2.4	7
51	Bioâ€based aromatic copoly(ether ester)s with enhanced toughness and degradability: Influence of insertion of phenoxyâ€ether linkage and eugenolâ€derived composition on properties. Journal of Polymer Science Part A, 2016, 54, 2171-2183.	2.3	6
52	Aromatic copolyesters with enhanced crystallizability and mechanical properties by adding the renewable nipagin-based composition. RSC Advances, 2016, 6, 21555-21563.	3.6	5
53	A magnetic polypeptide nanocomposite with pH and near-infrared dual responsiveness for cancer therapy. Journal of Polymer Research, 2017, 24, 1.	2.4	4
54	Facile preparation of tertiary amine grafted poly (Î±,Î²-L-aspartic acid) with zwitterionic property to limit nonspecific protein adsorption. Journal of Dispersion Science and Technology, 2020, , 1-10.	2.4	2

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55	pH-sensitive sandwich poly(amino acid) micelles. Journal of Controlled Release, 2011, 152, e100-e101.	9.9	0