Xiaodong Li

List of Publications by Year
in descending order

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36	1,101	304743	395702
papers	citations	22 h-index	33 g-index

37	37	37	1767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stimuli-triggered structural engineering of synthetic and biological polymeric assemblies. Progress in Polymer Science, 2012, 37, 1130-1176.	24.7	82
2	An injectable drug-loaded hydrogel based on a supramolecular polymeric prodrug. Chemical Communications, 2015, 51, 14644-14647.	4.1	77
3	Facile and Versatile Modification of Cotton Fibers for Persistent Antibacterial Activity and Enhanced Hygroscopicity. ACS Applied Materials & Interfaces, 2018, 10, 38506-38516.	8.0	76
4	Facile Engineering of Biocompatible Materials with pHâ€Modulated Degradability. Advanced Materials, 2011, 23, 3035-3040.	21.0	55
5	The construction of hierarchical structure on Ti substrate with superior osteogenic activity and intrinsic antibacterial capability. Scientific Reports, 2014, 4, 6172.	3.3	54
6	Fully biodegradable antibacterial hydrogels via thiolâ€“ene â€œclickâ€•chemistry. Polymer Chemistry, 2014, 5, 4002-4008.	3.9	53
7	A myeloperoxidase-responsive and biodegradable luminescent material for real-time imaging of inflammatory diseases. Materials Today, 2017, 20, 493-500.	14.2	52
8	Metal and light free â€œclickâ€•hydrogels for prevention of post-operative peritoneal adhesions. Polymer Chemistry, 2014, 5, 2018-2026.	3.9	50
9	Reduction/pH dual-responsive nano-prodrug micelles for controlled drug delivery. Polymer Chemistry, 2016, 7, 2665-2673.	3.9	43
10	Fabrication and in vitro evaluation of the collagen/hyaluronic acid PEM coating crosslinked with functionalized RGD peptide on titanium. Acta Biomaterialia, 2012, 8, 866-877.	8.3	39
11	Acid-triggered drug release from micelles based on amphiphilic oligo(ethylene glycol)â€“doxorubicin alternative copolymers. Journal of Materials Chemistry B, 2014, 2, 7612-7619.	5.8	38
12	Facile preparation of shell crosslinked micelles for redox-responsive anticancer drug release. RSC Advances, 2014, 4, 4177-4180.	3.6	37
13	Reduction-triggered release of paclitaxel from in situ formed biodegradable core-cross-linked micelles. Journal of Materials Chemistry B, 2015, 3, 3024-3031.	5.8	37
14	Facile synthesis and characterization of biodegradable antimicrobial poly(ester-carbonate). Journal of Materials Chemistry, 2012, 22, 11785.	6.7	34
15	Facile fabrication of reduction-responsive nanocarriers for controlled drug release. Polymer Chemistry, 2014, 5, 4879-4883.	3.9	34
16	A shear-thinning electrostatic hydrogel with antibacterial activity by nanoengineering of polyelectrolytes. Biomaterials Science, 2020, 8, 1394-1404.	5.4	34
17	Injectable doxorubicin-loaded hydrogels based on dendron-like Î²-cyclodextrinâ€“poly(ethylene glycol) conjugates. Polymer Chemistry, 2017, 8, 1680-1688.	3.9	31
18	A facile strategy to prepare redox-responsive amphiphilic PEGylated prodrug with high drug loading content and low critical micelle concentration. Biomaterials Science, 2014, 2, 1367-1376.	5.4	30

#	Article	IF	Citations
19	Poly(hexamethylene guanidine)â€based hydrogels with long lasting antimicrobial activity and low toxicity. Journal of Polymer Science Part A, 2017, 55, 2027-2035.	2.3	29
20	Synthesis of Size-Controlled Acid-Resistant Hybrid Calcium Carbonate Microparticles as Templates for Fabricating â€œMicelles-Enhancedâ€•Polyelectrolyte Capsules by the LBL Technique. Chemistry - A European Journal, 2006, 12, 5770-5778.	3.3	26
21	In situ fabrication of paclitaxelâ€loaded coreâ€crosslinked micelles via thiolâ€ene â€œclickâ€•chemistry for reductionâ€•responsive drug release. Journal of Polymer Science Part A, 2016, 54, 99-107.	2.3	26
22	High Molecular Weight Biodegradable Poly(ethylene glycol) via Carboxyl-Ester Transesterification. Macromolecules, 2020, 53, 2177-2186.	4.8	26
23	A study of properties of â€œmicelle-enhancedâ€•polyelectrolyte capsules: Structure, encapsulation and in vitro release. Acta Biomaterialia, 2009, 5, 2122-2131.	8.3	19
24	Biomimetic ECM coatings for controlled release of rhBMP-2: construction and biological evaluation. Biomaterials Science, 2014, 2, 980.	5.4	18
25	Topography-dependent antibacterial, osteogenic and anti-aging properties of pure titanium. Journal of Materials Chemistry B, 2015, 3, 784-795.	5.8	17
26	Cationic poly(esterâ€•phosphoester)s: Facile synthesis and antibacterial properties. Journal of Polymer Science Part A, 2013, 51, 3667-3673.	2.3	16
27	Injectable poly(ethylene glycol) hydrogels for sustained doxorubicin release. Polymers for Advanced Technologies, 2017, 28, 35-40.	3.2	13
28	In-reactor engineering of bioactive aliphatic polyesters via magnesium-catalyzed polycondensation for guided tissue regeneration. Chemical Engineering Journal, 2021, 424, 130432.	12.7	13
29	Supramolecular engineering of polymeric nanodrugs for antitumor chemotherapy. Chemical Engineering Journal, 2021, 416, 127968.	12.7	8
30	A biodegradable CO₂-based polymeric antitumor nanodrugviaa one-pot surfactant- and solvent-free miniemulsion preparation. Biomaterials Science, 2020, 8, 2234-2244.	5.4	7
31	Reconstruction of a Demineralized Dentin Matrix via Rapid Deposition of CaF2 Nanoparticles In Situ Promotes Dentin Bonding. ACS Applied Materials & Interfaces, 2021, 13, 51775-51789.	8.0	7
32	Supramolecular PEGylation of camptothecin for cancer therapy. Materials Today Nano, 2021, 14, 100115.	4.6	5
33	Refactoring phosphorylated hydrogel-like interface of demineralized dentin matrix via actively induced formation of nano-ACPs forms a defect-low hybrid layer promoting adhesive dentistry. Chemical Engineering Journal, 2022, 450, 137945.	12.7	5
34	Supramolecular polymeric prodrug micelles for efficient anticancer drug delivery. Polymer Chemistry, 2022, 13, 2964-2970.	3.9	4
35	Synthesis and characterization of an anti-caries and remineralizing fluorine-containing cationic polymer PHMB-F. Biomaterials Science, 2021, 9, 2009-2019.	5.4	3
36	Preparation and biological evaluations of a collagen-like hierarchical Ti surface with superior osteogenic capabilities. Journal of Materials Chemistry B, 2020, 8, 5472-5482.	5.8	2