Jian-bin Luo

List of Publications by Year
in descending order

31 papers	913 citations	430874 18 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	1248 citing authors

#	Article	IF	Citations
1	Facile hydrothermal preparation of recyclable S-doped graphene sponge for Cu2+ adsorption. Journal of Hazardous Materials, 2015, 286, 449-456.	12.4	100
2	Silver nanoparticles with pH induced surface charge switchable properties for antibacterial and antibiofilm applications. Journal of Materials Chemistry B, 2019, 7, 830-840.	5.8	79
3	Preparation of graphene adsorbents and their applications in water purification. Reviews in Inorganic Chemistry, 2013, 33, 139-160.	4.1	56
4	Biodegradable polyurethane micelles with pH and reduction responsive properties for intracellular drug delivery. Materials Science and Engineering C, 2017, 75, 1221-1230.	7.3	53
5	Antibacterial and antifouling properties of a polyurethane surface modified with perfluoroalkyl and silver nanoparticles. Journal of Biomedical Materials Research - Part A, 2017, 105, 531-538.	4.0	49
6	Gold nanorods with surface charge-switchable activities for enhanced photothermal killing of bacteria and eradication of biofilm. Journal of Materials Chemistry B, 2020, 8, 3138-3149.	5.8	49
7	Silver nanoparticles decorated lipase-sensitive polyurethane micelles for on-demand release of silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2017, 152, 238-244.	5.0	44
8	Reduction/temperature/pH multi-stimuli responsive core cross-linked polypeptide hybrid micelles for triggered and intracellular drug release. Colloids and Surfaces B: Biointerfaces, 2018, 170, 373-381.	5.0	42
9	Triclosan loaded polyurethane micelles with pH and lipase sensitive properties for antibacterial applications and treatment of biofilms. Materials Science and Engineering C, 2018, 93, 921-930.	7.3	38
10	Biodegradable multi-blocked polyurethane micelles for intracellular drug delivery: the effect of disulfide location on the drug release profile. RSC Advances, 2016, 6, 9082-9089.	3.6	35
11	TiO2â€“graphene sponge for the removal of tetracycline. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	33
12	Biodegradable pH-sensitive polyurethane micelles with different polyethylene glycol (PEG) locations for anti-cancer drug carrier applications. RSC Advances, 2016, 6, 97684-97693.	3.6	31
13	Surface-Charge-Switchable and Size-Transformable Thermosensitive Nanocomposites for Chemo-Photothermal Eradication of Bacterial Biofilms <i>in Vitro</i> and <i>in Vivo</i>. ACS Applied Materials & Interfaces, 2022, 14, 8847-8864.	8.0	29
14	Preparation and antifouling properties of 2-(meth-acryloyloxy)ethyl cholinephosphate based polymers modified surface with different molecular architectures by ATRP. Colloids and Surfaces B: Biointerfaces, 2017, 156, 87-94.	5.0	23
15	Dopamine-assisted one-pot synthesis of gold nanoworms and their application as photothermal agents. Journal of Colloid and Interface Science, 2020, 562, 81-90.	9.4	23
16	Ciprofloxacin conjugated gold nanorods with pH induced surface charge transformable activities to combat drug resistant bacteria and their biofilms. Materials Science and Engineering C, 2021, 128, 112292.	7.3	23
17	Universal and biocompatible hydroxyapatite coating induced by phytic acid-metal complex multilayer. Colloids and Surfaces B: Biointerfaces, 2018, 169, 478-485.	5.0	21
18	Synthesis and antifouling activities of fluorinated polyurethanes. Polymer International, 2019, 68, 1361-1366.	3.1	20

#	Article	IF	Citations
19	Stepwise dual pH and redox-responsive cross-linked polypeptide nanoparticles for enhanced cellular uptake and effective cancer therapy. Journal of Materials Chemistry B, 2019, 7, 7129-7140.	5.8	19
20	SPIONs/DOX loaded polymer nanoparticles for MRI detection and efficient cell targeting drug delivery. RSC Advances, 2017, 7, 47715-47725.	3.6	18
21	Dandelion flower-like micelles. Chemical Science, 2020, 11, 757-762.	7.4	16
22	Surface charge switchable and core cross-linked polyurethane micelles as a reduction-triggered drug delivery system for cancer therapy. RSC Advances, 2017, 7, 11021-11029.	3.6	14
23	Synthesis of polyurethanes with pendant azide groups attached on the soft segments and the surface modification with mPEG by click chemistry for antifouling applications. RSC Advances, 2018, 8, 19642-19650.	3.6	14
24	Role of Mn2+ Doping in the Preparation of Core-Shell Structured Fe3O4@upconversion Nanoparticles and Their Applications in T1/T2-Weighted Magnetic Resonance Imaging, Upconversion Luminescent Imaging and Near-Infrared Activated Photodynamic Therapy. Nanomaterials, 2018, 8, 466.	4.1	14
25	Direct Current Stimulation for Improved Osteogenesis of MC3T3 Cells Using Mineralized Conductive Polyaniline. ACS Biomaterials Science and Engineering, 2021, 7, 852-861.	5.2	14
26	Reduction responsive and surface charge switchable polyurethane micelles with acid cleavable crosslinks for intracellular drug delivery. RSC Advances, 2018, 8, 17888-17897.	3.6	12
27	Layer-by-Layer Assembled Multilayer Films with Multiple Antibacterial and pH-Induced Self-Cleaning Activities Based on Polyurethane Micelles. ACS Applied Bio Materials, 2019, 2, 4583-4593.	4.6	12
28	Azobenzene-Based Cross-Linked Small-Molecule Vesicles for Precise Oxidative Damage Treatments Featuring Controlled and Prompt Molecular Release. Chemistry of Materials, 2021, 33, 7357-7366.	6.7	12
29	Redox-Sensitive Core Cross-Linked Polyethylene Glycol-Polypeptide Hybrid Micelles for Anticancer Drug Delivery. Journal of Nanoscience and Nanotechnology, 2017, 17, 4532-4541.	0.9	8
30	Surface design and preparation of multi-functional magnetic nanoparticles for cancer cell targeting, therapy, and imaging. RSC Advances, 2018, 8, 35437-35447.	3.6	8
31	Size and shape controllable preparation of graphene sponge by freezing, lyophilizing and reducing in container. Science China Technological Sciences, 2016, 59, 709-713.	4.0	4