Qing Wan

List of Publications by Year
in descending order

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82	5,067	81900	88630
papers	citations	39 h-index	70 g-index

83	83	83	4635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in polydopamine: an emerging soft matter for surface modification and biomedical applications. Nanoscale, 2016, 8, 16819-16840.	5.6	509
2	Preparation of amine functionalized carbon nanotubes via a bioinspired strategy and their application in Cu2+ removal. Applied Surface Science, 2015, 343, 19-27.	6.1	313
3	Mussel-inspired fabrication of functional materials and their environmental applications: Progress and prospects. Applied Materials Today, 2017, 7, 222-238.	4.3	282
4	Facile preparation of MoS2 based polymer composites via mussel inspired chemistry and their high efficiency for removal of organic dyes. Applied Surface Science, 2017, 419, 35-44.	6.1	209
5	Recent progress and development on polymeric nanomaterials for photothermal therapy: a brief overview. Journal of Materials Chemistry B, 2017, 5, 194-206.	5.8	183
6	Aggregation-induced emission active luminescent polymeric nanoparticles: Non-covalent fabrication methodologies and biomedical applications. Applied Materials Today, 2017, 9, 145-160.	4.3	158
7	Facile synthesis of polymeric fluorescent organic nanoparticles based on the self-polymerization of dopamine for biological imaging. Materials Science and Engineering C, 2017, 77, 972-977.	7.3	145
8	Microwave-assisted multicomponent reactions for rapid synthesis of AIE-active fluorescent polymeric nanoparticles by post-polymerization method. Materials Science and Engineering C, 2017, 80, 578-583.	7.3	141
9	Facile fabrication of luminescent polymeric nanoparticles containing dynamic linkages via a one-pot multicomponent reaction: Synthesis, aggregation-induced emission and biological imaging. Materials Science and Engineering C, 2017, 80, 708-714.	7.3	131
10	Preparation of AIE-active fluorescent polymeric nanoparticles through a catalyst-free thiol-yne click reaction for bioimaging applications. Materials Science and Engineering C, 2017, 80, 411-416.	7.3	125
11	Surface modification and drug delivery applications of MoS2 nanosheets with polymers through the combination of mussel inspired chemistry and SET-LRP. Journal of the Taiwan Institute of Chemical Engineers, 2018, 82, 205-213.	5.3	122
12	Recent progress and advances in redox-responsive polymers as controlled delivery nanoplatforms. Materials Chemistry Frontiers, 2017, 1, 807-822.	5.9	118
13	Preparation of water soluble and biocompatible AIE-active fluorescent organic nanoparticles via multicomponent reaction and their biological imaging capability. Chemical Engineering Journal, 2017, 308, 527-534.	12.7	107
14	Direct encapsulation of AIE-active dye with Î² cyclodextrin terminated polymers: Self-assembly and biological imaging. Materials Science and Engineering C, 2017, 78, 862-867.	7.3	102
15	Facile preparation of carbon nanotubes based carboxymethyl chitosan nanocomposites through combination of mussel inspired chemistry and Michael addition reaction: Characterization and improved Cu2+ removal capability. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 446-454.	5.3	97
16	Surface modification of carbon nanotubes by combination of mussel inspired chemistry and SET-LRP. Polymer Chemistry, 2015, 6, 1786-1792.	3.9	85
17	Marrying multicomponent reactions and aggregation-induced emission (AIE): new directions for fluorescent nanoprobes. Polymer Chemistry, 2017, 8, 5644-5654.	3.9	85
18	PEGylation of carbon nanotubes via mussel inspired chemistry: Preparation, characterization and biocompatibility evaluation. Applied Surface Science, 2015, 351, 425-432.	6.1	74

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19	Stimulus responsive cross-linked AIE-active polymeric nanoprobes: fabrication and biological imaging application. Polymer Chemistry, 2015, 6, 8214-8221.	3.9	65
20	Surface modification of carbon nanotubes via combination of mussel inspired chemistry and chain transfer free radical polymerization. Applied Surface Science, 2015, 346, 335-341.	6.1	63
21	Bioinspired preparation of thermo-responsive graphene oxide nanocomposites in an aqueous solution. Polymer Chemistry, 2015, 6, 5876-5883.	3.9	62
22	Bottom-up preparation of nitrogen doped carbon quantum dots with green emission under microwave-assisted hydrothermal treatment and their biological imaging. Materials Science and Engineering C, 2018, 84, 60-66.	7.3	61
23	Mussel inspired functionalization of carbon nanotubes for heavy metal ion removal. RSC Advances, 2015, 5, 68430-68438.	3.6	58
24	Carbon nanotube based polymer nanocomposites: biomimic preparation and organic dye adsorption applications. RSC Advances, 2015, 5, 82503-82512.	3.6	58
25	Fabrication and biological imaging application of AIE-active luminescent starch based nanoprobes. Carbohydrate Polymers, 2016, 142, 38-44.	10.2	58
26	A rather facile strategy for the fabrication of PEGylated AIE nanoprobes. Polymer Chemistry, 2015, 6, 5288-5294.	3.9	55
27	A bioinspired strategy for surface modification of silica nanoparticles. Applied Surface Science, 2015, 357, 1996-2003.	6.1	54
28	Facile fabrication of amphiphilic AIE active glucan via formation of dynamic bonds: self assembly, stimuli responsiveness and biological imaging. Journal of Materials Chemistry B, 2016, 4, 4033-4039.	5.8	54
29	Facile fabrication of luminescent hyaluronic acid with aggregation-induced emission through formation of dynamic bonds and their theranostic applications. Materials Science and Engineering C, 2018, 91, 201-207.	7.3	54
30	A one-step ultrasonic irradiation assisted strategy for the preparation of polymer-functionalized carbon quantum dots and their biological imaging. Journal of Colloid and Interface Science, 2018, 532, 767-773.	9.4	53
31	Towards development of a versatile and efficient strategy for fabrication of GO based polymer nanocomposites. Polymer Chemistry, 2015, 6, 7211-7218.	3.9	52
32	One-step preparation of AIE-active dextran via formation of phenyl borate and their bioimaging application. Chemical Engineering Journal, 2016, 304, 149-155.	12.7	48
33	A new strategy for fabrication of water dispersible and biodegradable fluorescent organic nanoparticles with AIE and ESIPT characteristics and their utilization for bioimaging. Talanta, 2017, 174, 803-808.	5.5	43
34	Facile and highly efficient fabrication of graphene oxide-based polymer nanocomposites through mussel-inspired chemistry and their environmental pollutant removal application. Journal of Materials Science, 2017, 52, 504-518.	3.7	43
35	Novel Strategy toward AIE-Active Fluorescent Polymeric Nanoparticles from Polysaccharides: Preparation and Cell Imaging. ACS Sustainable Chemistry and Engineering, 2017, 5, 9955-9964.	6.7	42
36	Preparation of PEGylated polymeric nanoprobes with aggregation-induced emission feature through the combination of chain transfer free radical polymerization and multicomponent reaction: Self-assembly, characterization and biological imaging applications. Materials Science and Engineering C, 2017, 72, 352-358.	7.3	41

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37	Ultrafast Preparation of AIEâ€Active Fluorescent Organic Nanoparticles via a â€œOneâ€Potâ€• Microwaveâ€Assisted Kabachnikâ€“Fields Reaction. Macromolecular Rapid Communications, 2016, 37, 1754-1759.	3.9	40
38	A powerful â€œone-potâ€•tool for fabrication of AIE-active luminescent organic nanoparticles through the combination of RAFT polymerization and multicomponent reactions. Materials Chemistry Frontiers, 2017, 1, 1051-1058.	5.9	40
39	Marrying mussel inspired chemistry with SETâ€LRP: A novel strategy for surface functionalization of carbon nanotubes. Journal of Polymer Science Part A, 2015, 53, 1872-1879.	2.3	39
40	Direct surface PEGylation of nanodiamond via RAFT polymerization. Applied Surface Science, 2015, 357, 2147-2153.	6.1	39
41	Fabrication and biomedical applications of AIE active nanotheranostics through the combination of a ring-opening reaction and formation of dynamic hydrazones. Journal of Materials Chemistry B, 2016, 4, 5692-5699.	5.8	38
42	Surface modification of nanodiamond through metal free atom transfer radical polymerization. Applied Surface Science, 2016, 390, 710-717.	6.1	37
43	Fabrication of aggregation induced emission active luminescent chitosan nanoparticles via a â€œone-potâ€•multicomponent reaction. Carbohydrate Polymers, 2016, 152, 189-195.	10.2	37
44	Preparation and controlled drug delivery applications of mesoporous silica polymer nanocomposites through the visible light induced surface-initiated ATRP. Applied Surface Science, 2017, 412, 571-577.	6.1	36
45	Mussel inspired preparation of highly dispersible and biocompatible carbon nanotubes. RSC Advances, 2015, 5, 25329-25336.	3.6	34
46	Biomimic modification of graphene oxide. New Journal of Chemistry, 2015, 39, 8172-8178.	2.8	33
47	Synthesis of amphiphilic fluorescent polymers via a one-pot combination of multicomponent Hantzsch reaction and RAFT polymerization and their cell imaging applications. Polymer Chemistry, 2017, 8, 4805-4810.	3.9	33
48	Toward the development of versatile functionalized carbon nanotubes. RSC Advances, 2015, 5, 38316-38323.	3.6	30
49	Biomimic preparation of highly dispersible silica nanoparticles based polymer nanocomposites. Ceramics International, 2015, 41, 15075-15082.	4.8	29
50	Fabrication of amphiphilic fluorescent nanoparticles with an AIE feature via a one-pot clickable mercaptoacetic acid locking imine reaction: synthesis, self-assembly and bioimaging. Polymer Chemistry, 2016, 7, 4559-4566.	3.9	29
51	Construction of biodegradable and biocompatible AIE-active fluorescent polymeric nanoparticles by Ce(IV)/HNO 3 redox polymerization in aqueous solution. Materials Science and Engineering C, 2017, 78, 191-197.	7.3	29
52	Ultrasonic-assisted Kabachnik-Fields reaction for rapid fabrication of AIE-active fluorescent organic nanoparticles. Ultrasonics Sonochemistry, 2017, 35, 319-325.	8.2	29
53	Synthesis of Amphiphilic Hyperbranched AIEâ€active Fluorescent Organic Nanoparticles and Their Application in Biological Application. Macromolecular Bioscience, 2016, 16, 223-230.	4.1	28
54	Marrying the mussel inspired chemistry and Kabachnikâ€“Fields reaction for preparation of SiO2 polymer composites and enhancement removal of methylene blue. Applied Surface Science, 2017, 422, 17-27.	6.1	28

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55	Preparation of ultrabright AIE nanoprobes via dynamic bonds. Tetrahedron, 2015, 71, 8791-8797.	1.9	27
56	Preparation of polymeric silica composites through polydopamine-mediated surface initiated ATRP for highly efficient removal of environmental pollutants. Materials Chemistry and Physics, 2017, 193, 501-511.	4.0	27
57	Direct surface grafting of mesoporous silica nanoparticles with phospholipid choline-containing copolymers through chain transfer free radical polymerization and their controlled drug delivery. Journal of Colloid and Interface Science, 2017, 508, 396-404.	9.4	27
58	Room temperature preparation of fluorescent starch nanoparticles from starch-dopamine conjugates and their biological applications. Materials Science and Engineering C, 2018, 82, 204-209.	7.3	27
59	Fabrication, self-assembly and biomedical applications of luminescent sodium hyaluronate with aggregation-induced emission feature. Materials Science and Engineering C, 2017, 81, 120-126.	7.3	26
60	Facile Fabrication of PEGylated Fluorescent Organic Nanoparticles with Aggregationâ€Induced Emission Feature via Formation of Dynamic Bonds and Their Biological Imaging Applications. Macromolecular Rapid Communications, 2016, 37, 1657-1661.	3.9	25
61	Mussel-inspired PEGylated carbon nanotubes: biocompatibility evaluation and drug delivery applications. Toxicology Research, 2016, 5, 1371-1379.	2.1	25
62	Photo-induced surface grafting of phosphorylcholine containing copolymers onto mesoporous silica nanoparticles for controlled drug delivery. Materials Science and Engineering C, 2017, 79, 596-604.	7.3	25
63	Fabrication of multifunctional fluorescent organic nanoparticles with AIE feature through photo-initiated RAFT polymerization. Polymer Chemistry, 2017, 8, 7390-7399.	3.9	25
64	Recent Advances and Future Prospects of Aggregationâ€Induced Emission Carbohydrate Polymers. Macromolecular Rapid Communications, 2017, 38, 1600575.	3.9	23
65	Synthesis and biological imaging of cross-linked fluorescent polymeric nanoparticles with aggregation-induced emission characteristics based on the combination of RAFT polymerization and the Biginelli reaction. Journal of Colloid and Interface Science, 2018, 528, 192-199.	9.4	23
66	Facile synthesis and characterization of poly(levodopa)-modified silica nanocomposites via self-polymerization of levodopa and their adsorption behavior toward Cu2+. Journal of Materials Science, 2016, 51, 9625-9637.	3.7	22
67	Fabrication of AIE-active amphiphilic fluorescent polymeric nanoparticles through hostâ€“guest interaction. RSC Advances, 2016, 6, 54812-54819.	3.6	21
68	Polymerizable aggregation-induced emission dye for preparation of cross-linkable fluorescent nanoprobes with ultra-low critical micelle concentrations. Materials Science and Engineering C, 2017, 76, 586-592.	7.3	21
69	Self-catalyzed photo-initiated RAFT polymerization for fabrication of fluorescent polymeric nanoparticles with aggregation-induced emission feature. Materials Science and Engineering C, 2018, 83, 154-159.	7.3	19
70	Facile Fabrication of AIE-Active Fluorescent Polymeric Nanoparticles with Ultra-Low Critical Micelle Concentration Based on Ce(IV) Redox Polymerization for Biological Imaging Applications. Macromolecular Rapid Communications, 2017, 38, 1600752.	3.9	17
71	Synthesis and bioimaging of biodegradable red fluorescent organic nanoparticles with aggregation-induced emission characteristics. Journal of Colloid and Interface Science, 2017, 508, 248-253.	9.4	16
72	Rapid preparation of branched and degradable AIE-active fluorescent organic nanoparticles via formation of dynamic phenyl borate bond. Colloids and Surfaces B: Biointerfaces, 2017, 150, 114-120.	5.0	15

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73	Nanodiamond based supermolecular nanocomposites: preparation and biocompatibility evaluation. RSC Advances, 2015, 5, 96983-96989.	3.6	14
74	Fabrication of water dispersible and biocompatible AIE-active fluorescent polymeric nanoparticles through a â€œone-potâ€•Mannich reaction. Polymer Chemistry, 2017, 8, 4746-4751.	3.9	14
75	Fabrication and biological imaging of polyhedral oligomeric silsesquioxane cross-linked fluorescent polymeric nanoparticles with aggregation-induced emission feature. Applied Surface Science, 2017, 423, 469-475.	6.1	13
76	Microwave-assisted Diels-Alder reaction for rapid synthesis of luminescent nanodiamond with AIE-active dyes and their biomedical applications. Materials Chemistry and Physics, 2017, 197, 256-265.	4.0	12
77	Synthesis of fluorescent dendrimers with aggregation-induced emission features through a one-pot multi-component reaction and their utilization for biological imaging. Journal of Colloid and Interface Science, 2018, 509, 327-333.	9.4	10
78	Fabrication of Î² cyclodextrin containing AIE-active polymeric composites through formation of dynamic phenylboronic borate and their theranostic applications. Cellulose, 2019, 26, 8829-8841.	4.9	9
79	Facile preparation and biological imaging of luminescent polymeric nanoprobes with aggregation-induced emission characteristics through Michael addition reaction. Colloids and Surfaces B: Biointerfaces, 2016, 145, 795-801.	5.0	7
80	Surface PEGylation of mesoporous silica materials via surface-initiated chain transfer free radical polymerization: Characterization and controlled drug release. Materials Science and Engineering C, 2017, 81, 57-65.	7.3	7
81	Facile fabrication of cross-linked fluorescent organic nanoparticles with aggregation-induced emission characteristic via the thiol-ene click reaction and their potential for biological imaging. Materials Science and Engineering C, 2019, 98, 293-299.	7.3	7
82	Facile preparation, through Schiff base formation, of luminescent amphiphilic carbohydrate polymers with aggregation-induced emission characteristics for biological imaging. RSC Advances, 2016, 6, 76011-76016.	3.6	5