

# Qing Wan

## List of Publications by Year in descending order

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82  
papers

5,067  
citations

81839

39  
h-index

88593

70  
g-index

83  
all docs

83  
docs citations

83  
times ranked

4635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in polydopamine: an emerging soft matter for surface modification and biomedical applications. <i>Nanoscale</i> , 2016, 8, 16819-16840.	2.8	509
2	Preparation of amine functionalized carbon nanotubes via a bioinspired strategy and their application in Cu <sup>2+</sup> removal. <i>Applied Surface Science</i> , 2015, 343, 19-27.	3.1	313
3	Mussel-inspired fabrication of functional materials and their environmental applications: Progress and prospects. <i>Applied Materials Today</i> , 2017, 7, 222-238.	2.3	282
4	Facile preparation of MoS <sub>2</sub> based polymer composites via mussel inspired chemistry and their high efficiency for removal of organic dyes. <i>Applied Surface Science</i> , 2017, 419, 35-44.	3.1	209
5	Recent progress and development on polymeric nanomaterials for photothermal therapy: a brief overview. <i>Journal of Materials Chemistry B</i> , 2017, 5, 194-206.	2.9	183
6	Aggregation-induced emission active luminescent polymeric nanoparticles: Non-covalent fabrication methodologies and biomedical applications. <i>Applied Materials Today</i> , 2017, 9, 145-160.	2.3	158
7	Facile synthesis of polymeric fluorescent organic nanoparticles based on the self-polymerization of dopamine for biological imaging. <i>Materials Science and Engineering C</i> , 2017, 77, 972-977.	3.8	145
8	Microwave-assisted multicomponent reactions for rapid synthesis of AIE-active fluorescent polymeric nanoparticles by post-polymerization method. <i>Materials Science and Engineering C</i> , 2017, 80, 578-583.	3.8	141
9	Facile fabrication of luminescent polymeric nanoparticles containing dynamic linkages via a one-pot multicomponent reaction: Synthesis, aggregation-induced emission and biological imaging. <i>Materials Science and Engineering C</i> , 2017, 80, 708-714.	3.8	131
10	Preparation of AIE-active fluorescent polymeric nanoparticles through a catalyst-free thiol-yne click reaction for bioimaging applications. <i>Materials Science and Engineering C</i> , 2017, 80, 411-416.	3.8	125
11	Surface modification and drug delivery applications of MoS <sub>2</sub> nanosheets with polymers through the combination of mussel inspired chemistry and SET-LRP. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 205-213.	2.7	122
12	Recent progress and advances in redox-responsive polymers as controlled delivery nanoplatfoms. <i>Materials Chemistry Frontiers</i> , 2017, 1, 807-822.	3.2	118
13	Preparation of water soluble and biocompatible AIE-active fluorescent organic nanoparticles via multicomponent reaction and their biological imaging capability. <i>Chemical Engineering Journal</i> , 2017, 308, 527-534.	6.6	107
14	Direct encapsulation of AIE-active dye with $\beta$ -cyclodextrin terminated polymers: Self-assembly and biological imaging. <i>Materials Science and Engineering C</i> , 2017, 78, 862-867.	3.8	102
15	Facile preparation of carbon nanotubes based carboxymethyl chitosan nanocomposites through combination of mussel inspired chemistry and Michael addition reaction: Characterization and improved Cu <sup>2+</sup> removal capability. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 446-454.	2.7	97
16	Surface modification of carbon nanotubes by combination of mussel inspired chemistry and SET-LRP. <i>Polymer Chemistry</i> , 2015, 6, 1786-1792.	1.9	85
17	Marrying multicomponent reactions and aggregation-induced emission (AIE): new directions for fluorescent nanoprobos. <i>Polymer Chemistry</i> , 2017, 8, 5644-5654.	1.9	85
18	PEGylation of carbon nanotubes via mussel inspired chemistry: Preparation, characterization and biocompatibility evaluation. <i>Applied Surface Science</i> , 2015, 351, 425-432.	3.1	74

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19	Stimulus responsive cross-linked AIE-active polymeric nanoprobos: fabrication and biological imaging application. <i>Polymer Chemistry</i> , 2015, 6, 8214-8221.	1.9	65
20	Surface modification of carbon nanotubes via combination of mussel inspired chemistry and chain transfer free radical polymerization. <i>Applied Surface Science</i> , 2015, 346, 335-341.	3.1	63
21	Bioinspired preparation of thermo-responsive graphene oxide nanocomposites in an aqueous solution. <i>Polymer Chemistry</i> , 2015, 6, 5876-5883.	1.9	62
22	Bottom-up preparation of nitrogen doped carbon quantum dots with green emission under microwave-assisted hydrothermal treatment and their biological imaging. <i>Materials Science and Engineering C</i> , 2018, 84, 60-66.	3.8	61
23	Mussel inspired functionalization of carbon nanotubes for heavy metal ion removal. <i>RSC Advances</i> , 2015, 5, 68430-68438.	1.7	58
24	Carbon nanotube based polymer nanocomposites: biomimic preparation and organic dye adsorption applications. <i>RSC Advances</i> , 2015, 5, 82503-82512.	1.7	58
25	Fabrication and biological imaging application of AIE-active luminescent starch based nanoprobos. <i>Carbohydrate Polymers</i> , 2016, 142, 38-44.	5.1	58
26	A rather facile strategy for the fabrication of PEGylated AIE nanoprobos. <i>Polymer Chemistry</i> , 2015, 6, 5288-5294.	1.9	55
27	A bioinspired strategy for surface modification of silica nanoparticles. <i>Applied Surface Science</i> , 2015, 357, 1996-2003.	3.1	54
28	Facile fabrication of amphiphilic AIE active glucan via formation of dynamic bonds: self assembly, stimuli responsiveness and biological imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 4033-4039.	2.9	54
29	Facile fabrication of luminescent hyaluronic acid with aggregation-induced emission through formation of dynamic bonds and their theranostic applications. <i>Materials Science and Engineering C</i> , 2018, 91, 201-207.	3.8	54
30	A one-step ultrasonic irradiation assisted strategy for the preparation of polymer-functionalized carbon quantum dots and their biological imaging. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 767-773.	5.0	53
31	Towards development of a versatile and efficient strategy for fabrication of GO based polymer nanocomposites. <i>Polymer Chemistry</i> , 2015, 6, 7211-7218.	1.9	52
32	One-step preparation of AIE-active dextran via formation of phenyl borate and their bioimaging application. <i>Chemical Engineering Journal</i> , 2016, 304, 149-155.	6.6	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. <i>Talanta</i> , 2017, 174, 803-808.	2.9	43
34	Facile and highly efficient fabrication of graphene oxide-based polymer nanocomposites through mussel-inspired chemistry and their environmental pollutant removal application. <i>Journal of Materials Science</i> , 2017, 52, 504-518.	1.7	43
35	Novel Strategy toward AIE-Active Fluorescent Polymeric Nanoparticles from Polysaccharides: Preparation and Cell Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9955-9964.	3.2	42
36	Preparation of PEGylated polymeric nanoprobos with aggregation-induced emission feature through the combination of chain transfer free radical polymerization and multicomponent reaction: Self-assembly, characterization and biological imaging applications. <i>Materials Science and Engineering C</i> , 2017, 72, 352-358.	3.8	41

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37	Ultrafast Preparation of AIE-Active Fluorescent Organic Nanoparticles via a One-Pot Microwave-Assisted Kabachnik-Fields Reaction. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1754-1759.	2.0	40
38	A powerful one-pot tool for fabrication of AIE-active luminescent organic nanoparticles through the combination of RAFT polymerization and multicomponent reactions. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1051-1058.	3.2	40
39	Marrying mussel inspired chemistry with SET-LRP: A novel strategy for surface functionalization of carbon nanotubes. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1872-1879.	2.5	39
40	Direct surface PEGylation of nanodiamond via RAFT polymerization. <i>Applied Surface Science</i> , 2015, 357, 2147-2153.	3.1	39
41	Fabrication and biomedical applications of AIE active nanotheranostics through the combination of a ring-opening reaction and formation of dynamic hydrazones. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5692-5699.	2.9	38
42	Surface modification of nanodiamond through metal free atom transfer radical polymerization. <i>Applied Surface Science</i> , 2016, 390, 710-717.	3.1	37
43	Fabrication of aggregation induced emission active luminescent chitosan nanoparticles via a one-pot multicomponent reaction. <i>Carbohydrate Polymers</i> , 2016, 152, 189-195.	5.1	37
44	Preparation and controlled drug delivery applications of mesoporous silica polymer nanocomposites through the visible light induced surface-initiated ATRP. <i>Applied Surface Science</i> , 2017, 412, 571-577.	3.1	36
45	Mussel inspired preparation of highly dispersible and biocompatible carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 25329-25336.	1.7	34
46	Biomimic modification of graphene oxide. <i>New Journal of Chemistry</i> , 2015, 39, 8172-8178.	1.4	33
47	Synthesis of amphiphilic fluorescent polymers via a one-pot combination of multicomponent Hantzsch reaction and RAFT polymerization and their cell imaging applications. <i>Polymer Chemistry</i> , 2017, 8, 4805-4810.	1.9	33
48	Toward the development of versatile functionalized carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 38316-38323.	1.7	30
49	Biomimic preparation of highly dispersible silica nanoparticles based polymer nanocomposites. <i>Ceramics International</i> , 2015, 41, 15075-15082.	2.3	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. <i>Polymer Chemistry</i> , 2016, 7, 4559-4566.	1.9	29
51	Construction of biodegradable and biocompatible AIE-active fluorescent polymeric nanoparticles by Ce(IV)/HNO <sub>3</sub> redox polymerization in aqueous solution. <i>Materials Science and Engineering C</i> , 2017, 78, 191-197.	3.8	29
52	Ultrasonic-assisted Kabachnik-Fields reaction for rapid fabrication of AIE-active fluorescent organic nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 319-325.	3.8	29
53	Synthesis of Amphiphilic Hyperbranched AIE-Active Fluorescent Organic Nanoparticles and Their Application in Biological Application. <i>Macromolecular Bioscience</i> , 2016, 16, 223-230.	2.1	28
54	Marrying the mussel inspired chemistry and Kabachnik-Fields reaction for preparation of SiO <sub>2</sub> polymer composites and enhancement removal of methylene blue. <i>Applied Surface Science</i> , 2017, 422, 17-27.	3.1	28

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55	Preparation of ultrabright AIE nanoprobe via dynamic bonds. <i>Tetrahedron</i> , 2015, 71, 8791-8797.	1.0	27
56	Preparation of polymeric silica composites through polydopamine-mediated surface initiated ATRP for highly efficient removal of environmental pollutants. <i>Materials Chemistry and Physics</i> , 2017, 193, 501-511.	2.0	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. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 396-404.	5.0	27
58	Room temperature preparation of fluorescent starch nanoparticles from starch-dopamine conjugates and their biological applications. <i>Materials Science and Engineering C</i> , 2018, 82, 204-209.	3.8	27
59	Fabrication, self-assembly and biomedical applications of luminescent sodium hyaluronate with aggregation-induced emission feature. <i>Materials Science and Engineering C</i> , 2017, 81, 120-126.	3.8	26
60	Facile Fabrication of PEGylated Fluorescent Organic Nanoparticles with Aggregation-Induced Emission Feature via Formation of Dynamic Bonds and Their Biological Imaging Applications. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1657-1661.	2.0	25
61	Mussel-inspired PEGylated carbon nanotubes: biocompatibility evaluation and drug delivery applications. <i>Toxicology Research</i> , 2016, 5, 1371-1379.	0.9	25
62	Photo-induced surface grafting of phosphorylcholine containing copolymers onto mesoporous silica nanoparticles for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2017, 79, 596-604.	3.8	25
63	Fabrication of multifunctional fluorescent organic nanoparticles with AIE feature through photo-initiated RAFT polymerization. <i>Polymer Chemistry</i> , 2017, 8, 7390-7399.	1.9	25
64	Recent Advances and Future Prospects of Aggregation-Induced Emission Carbohydrate Polymers. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600575.	2.0	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. <i>Journal of Colloid and Interface Science</i> , 2018, 528, 192-199.	5.0	23
66	Facile synthesis and characterization of poly(levodopa)-modified silica nanocomposites via self-polymerization of levodopa and their adsorption behavior toward Cu <sup>2+</sup> . <i>Journal of Materials Science</i> , 2016, 51, 9625-9637.	1.7	22
67	Fabrication of AIE-active amphiphilic fluorescent polymeric nanoparticles through host-guest interaction. <i>RSC Advances</i> , 2016, 6, 54812-54819.	1.7	21
68	Polymerizable aggregation-induced emission dye for preparation of cross-linkable fluorescent nanoprobe with ultra-low critical micelle concentrations. <i>Materials Science and Engineering C</i> , 2017, 76, 586-592.	3.8	21
69	Self-catalyzed photo-initiated RAFT polymerization for fabrication of fluorescent polymeric nanoparticles with aggregation-induced emission feature. <i>Materials Science and Engineering C</i> , 2018, 83, 154-159.	3.8	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. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600752.	2.0	17
71	Synthesis and bioimaging of biodegradable red fluorescent organic nanoparticles with aggregation-induced emission characteristics. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 248-253.	5.0	16
72	Rapid preparation of branched and degradable AIE-active fluorescent organic nanoparticles via formation of dynamic phenyl borate bond. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 150, 114-120.	2.5	15

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73	Nanodiamond based supermolecular nanocomposites: preparation and biocompatibility evaluation. RSC Advances, 2015, 5, 96983-96989.	1.7	14
74	Fabrication of water dispersible and biocompatible AIE-active fluorescent polymeric nanoparticles through a one-pot Mannich reaction. Polymer Chemistry, 2017, 8, 4746-4751.	1.9	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.	3.1	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.	2.0	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.	5.0	10
78	Fabrication of $\beta$ -cyclodextrin containing AIE-active polymeric composites through formation of dynamic phenylboronic borate and their theranostic applications. Cellulose, 2019, 26, 8829-8841.	2.4	9
79	Facile preparation and biological imaging of luminescent polymeric nanoprobe with aggregation-induced emission characteristics through Michael addition reaction. Colloids and Surfaces B: Biointerfaces, 2016, 145, 795-801.	2.5	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.	3.8	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.	3.8	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.	1.7	5