

Hongye Huang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

3,612
citations

34
h-index

57
g-index

92
ext. papers

3,968
ext. citations

7.1
avg, IF

5.51
L-index

#	Paper	IF	Citations
92	Mussel-inspired fabrication of functional materials and their environmental applications: Progress and prospects. <i>Applied Materials Today</i> , 2017 , 7, 222-238	6.6	248
91	Surface functionalized SiO nanoparticles with cationic polymers via the combination of mussel inspired chemistry and surface initiated atom transfer radical polymerization: Characterization and enhanced removal of organic dye. <i>Journal of Colloid and Interface Science</i> , 2017 , 499, 170-179	9.3	205
90	Recent Advances and Progress on Melanin-like Materials and Their Biomedical Applications. <i>Biomacromolecules</i> , 2018 , 19, 1858-1868	6.9	168
89	A facile one-pot Mannich reaction for the construction of fluorescent polymeric nanoparticles with aggregation-induced emission feature and their biological imaging. <i>Materials Science and Engineering C</i> , 2017 , 81, 416-421	8.3	144
88	Aggregation-induced emission active luminescent polymeric nanoparticles: Non-covalent fabrication methodologies and biomedical applications. <i>Applied Materials Today</i> , 2017 , 9, 145-160	6.6	135
87	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	8.3	133
86	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	8.3	124
85	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	8.3	120
84	Direct encapsulation of AIE-active dye with β -cyclodextrin terminated polymers: Self-assembly and biological imaging. <i>Materials Science and Engineering C</i> , 2017 , 78, 862-867	8.3	97
83	Facile construction and biological imaging of cross-linked fluorescent organic nanoparticles with aggregation-induced emission feature through a catalyst-free azide-alkyne click reaction. <i>Dyes and Pigments</i> , 2018 , 148, 52-60	4.6	92
82	Recent progress and advances in the environmental applications of MXene related materials. <i>Nanoscale</i> , 2020 , 12, 3574-3592	7.7	88
81	Facile preparation of carbon nanotubes based carboxymethyl chitosan nanocomposites through combination of mussel inspired chemistry and Michael addition reaction: Characterization and improved Cu ²⁺ removal capability. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 446-454	5.3	86
80	Recent development and prospects of surface modification and biomedical applications of MXenes. <i>Nanoscale</i> , 2020 , 12, 1325-1338	7.7	85
79	A facile surface modification strategy for fabrication of fluorescent silica nanoparticles with the aggregation-induced emission dye through surface-initiated cationic ring opening polymerization. <i>Materials Science and Engineering C</i> , 2019 , 94, 270-278	8.3	77
78	Facile modification of nanodiamonds with hyperbranched polymers based on supramolecular chemistry and their potential for drug delivery. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 198-204	8.3	76
77	Stimulus responsive cross-linked AIE-active polymeric nanoprobe: fabrication and biological imaging application. <i>Polymer Chemistry</i> , 2015 , 6, 8214-8221	4.9	59
76	Facile fabrication of organic dyed polymer nanoparticles with aggregation-induced emission using an ultrasound-assisted multicomponent reaction and their biological imaging. <i>Journal of Colloid and Interface Science</i> , 2018 , 519, 137-144	9.3	58

75	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	8.3	54
74	A rather facile strategy for the fabrication of PEGylated AIE nanoprobcs. <i>Polymer Chemistry</i> , 2015 , 6, 5288-5294	4.9	53
73	Carbon nanotube based polymer nanocomposites: biomimic preparation and organic dye adsorption applications. <i>RSC Advances</i> , 2015 , 5, 82503-82512	3.7	52
72	Fabrication and biological imaging application of AIE-active luminescent starch based nanoprobcs. <i>Carbohydrate Polymers</i> , 2016 , 142, 38-44	10.3	52
71	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	7.3	52
70	Towards development of a versatile and efficient strategy for fabrication of GO based polymer nanocomposites. <i>Polymer Chemistry</i> , 2015 , 6, 7211-7218	4.9	50
69	Synthesis of functionalized MgAl-layered double hydroxides via modified mussel inspired chemistry and their application in organic dye adsorption. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 168-177	9.7	49
68	A bioinspired strategy for surface modification of silica nanoparticles. <i>Applied Surface Science</i> , 2015 , 357, 1996-2003	6.7	48
67	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	14.7	45
66	Mussel inspired preparation of functional silica nanocomposites for environmental adsorption applications. <i>Applied Surface Science</i> , 2016 , 387, 285-293	6.7	43
65	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	11.8	40
64	Preparation of PEGylated polymeric nanoprobcs 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 , 70, 250-259	8.3	38
63	Direct surface PEGylation of nanodiamond via RAFT polymerization. <i>Applied Surface Science</i> , 2015 , 357, 2147-2153	6.7	37
62	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	9.3	36
61	Fabrication of luminescent hydroxyapatite nanorods through surface-initiated RAFT polymerization: Characterization, biological imaging and drug delivery applications. <i>Applied Surface Science</i> , 2016 , 386, 269-275	6.7	35
60	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	6.2	35
59	Fabrication of aggregation induced emission active luminescent chitosan nanoparticles via a "one-pot" multicomponent reaction. <i>Carbohydrate Polymers</i> , 2016 , 152, 189-195	10.3	34
58	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	7.3	34

57	Mussel inspired preparation of amine-functionalized Kaolin for effective removal of heavy metal ions. <i>Materials Chemistry and Physics</i> , 2016 , 181, 116-125	4.4	32
56	Mussel-inspired preparation of layered double hydroxides based polymer composites for removal of copper ions. <i>Journal of Colloid and Interface Science</i> , 2019 , 533, 416-427	9.3	32
55	Surface modification of nanodiamond through metal free atom transfer radical polymerization. <i>Applied Surface Science</i> , 2016 , 390, 710-717	6.7	29
54	Synthesis of Amphiphilic Hyperbranched AIE-active Fluorescent Organic Nanoparticles and Their Application in Biological Application. <i>Macromolecular Bioscience</i> , 2016 , 16, 223-30	5.5	27
53	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	4.9	26
52	Ultrasonic-assisted Kabachnik-Fields reaction for rapid fabrication of AIE-active fluorescent organic nanoparticles. <i>Ultrasonics Sonochemistry</i> , 2017 , 35, 319-325	8.9	26
51	Biomimic preparation of highly dispersible silica nanoparticles based polymer nanocomposites. <i>Ceramics International</i> , 2015 , 41, 15075-15082	5.1	25
50	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	4.8	25
49	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	9.3	25
48	One-step synthesis, self-assembly and bioimaging applications of adenosine triphosphate containing amphiphilic with aggregation-induced emission feature. <i>Materials Science and Engineering C</i> , 2017 , 73, 252-256	8.3	24
47	Preparation of ultrabright AIE nanoprobes via dynamic bonds. <i>Tetrahedron</i> , 2015 , 71, 8791-8797	2.4	24
46	Enhanced removal capability of kaolin toward methylene blue by mussel-inspired functionalization. <i>Journal of Materials Science</i> , 2016 , 51, 8116-8130	4.3	24
45	Direct Surface Functionalization of Cellulose Nanocrystals with Hyperbranched Polymers through the Anionic Polymerization for pH-Responsive Intracellular Drug Delivery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19202-19212	8.3	23
44	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	4.4	21
43	Facile preparation of magnetic composites based on carbon nanotubes: Utilization for removal of environmental pollutants. <i>Journal of Colloid and Interface Science</i> , 2019 , 545, 8-15	9.3	21
42	Fabrication of multifunctional fluorescent organic nanoparticles with AIE feature through photo-initiated RAFT polymerization. <i>Polymer Chemistry</i> , 2017 , 8, 7390-7399	4.9	21
41	Mussel inspired preparation of MoS ₂ based polymer nanocomposites: The case of polyPEGMA. <i>Applied Surface Science</i> , 2016 , 387, 399-405	6.7	21
40	Fabrication of AIE-active fluorescent polymeric nanoparticles with red emission through a facile catalyst-free amino-yne click polymerization. <i>Dyes and Pigments</i> , 2018 , 151, 123-129	4.6	19

39	Ultrafast microwave-assisted multicomponent tandem polymerization for rapid fabrication of AIE-active fluorescent polymeric nanoparticles and their potential utilization for biological imaging. <i>Materials Science and Engineering C</i> , 2018 , 83, 115-120	8.3	19
38	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	9.3	19
37	Fabrication of AIE-active amphiphilic fluorescent polymeric nanoparticles through host-guest interaction. <i>RSC Advances</i> , 2016 , 6, 54812-54819	3.7	17
36	Facile synthesis and characterization of poly(levodopa)-modified silica nanocomposites via self-polymerization of levodopa and their adsorption behavior toward Cu ²⁺ . <i>Journal of Materials Science</i> , 2016 , 51, 9625-9637	4.3	16
35	Highly efficient removal of iodine ions using MXene-PDA-AgO composites synthesized by mussel-inspired chemistry. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 190-201	9.3	15
34	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	9.3	15
33	Facile fabrication of glycosylated and PEGylated carbon nanotubes through the combination of mussel inspired chemistry and surface-initiated ATRP. <i>Materials Science and Engineering C</i> , 2020 , 106, 110157	8.3	15
32	Fabrication of silica nanoparticle based polymer nanocomposites via a combination of mussel inspired chemistry and SET-LRP. <i>RSC Advances</i> , 2015 , 5, 91308-91314	3.7	14
31	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	6	14
30	Preparation of fluorescent cellulose nanocrystal polymer composites with thermo-responsiveness through light-induced ATRP. <i>Cellulose</i> , 2020 , 27, 743-753	5.5	14
29	Facile construction of luminescent supramolecular assemblies with aggregation-induced emission feature through supramolecular polymerization and their biological imaging. <i>Materials Science and Engineering C</i> , 2018 , 85, 233-238	8.3	12
28	One-step synthesis of europium complexes containing polyamino acids through ring-opening polymerization and their potential for biological imaging applications. <i>Talanta</i> , 2018 , 188, 1-6	6.2	12
27	AIE-active self-assemblies from a catalyst-free thiol-yne click reaction and their utilization for biological imaging. <i>Materials Science and Engineering C</i> , 2018 , 92, 61-68	8.3	12
26	One-step preparation of branched PEG functionalized AIE-active luminescent polymeric nanoprobe. <i>Science China Chemistry</i> , 2016 , 59, 1003-1009	7.9	12
25	Facile preparation of luminescent cellulose nanocrystals with aggregation-induced emission feature through Ce(IV) redox polymerization. <i>Carbohydrate Polymers</i> , 2019 , 223, 115102	10.3	11
24	Preparation of water dispersible and biocompatible nanodiamond-poly(amino acid) composites through the ring-opening polymerization. <i>Materials Science and Engineering C</i> , 2018 , 91, 496-501	8.3	11
23	"Two in one": Simultaneous functionalization and DOX loading for fabrication of nanodiamond-based pH responsive drug delivery system. <i>Materials Science and Engineering C</i> , 2020 , 108, 110413	8.3	10
22	Preparation of silica nanoparticle based polymer composites via mussel inspired chemistry and their enhanced adsorption capability towards methylene blue. <i>RSC Advances</i> , 2016 , 6, 85213-85221	3.7	10

21	Red aggregation-induced emission luminogen and Gd codoped mesoporous silica nanoparticles as dual-mode probes for fluorescent and magnetic resonance imaging. <i>Journal of Colloid and Interface Science</i> , 2020 , 567, 136-144	9.3	9
20	Fabrication and characterization of hyperbranched polyglycerol modified carbon nanotubes through the host-guest interactions. <i>Materials Science and Engineering C</i> , 2018 , 91, 458-465	8.3	9
19	A novel thiol-ene click reaction for preparation of graphene quantum dots and their potential for fluorescence imaging. <i>Materials Science and Engineering C</i> , 2018 , 91, 631-637	8.3	9
18	Surface PEGylation and biological imaging of fluorescent Tb-doped layered double hydroxides through the photoinduced RAFT polymerization. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 641-649	8.3	9
17	Fabrication and biological imaging of hydrazine hydrate cross-linked AIE-active fluorescent polymeric nanoparticles. <i>Materials Science and Engineering C</i> , 2019 , 94, 310-317	8.3	9
16	A Novel method for the preparation of fluorescent C poly(amino acid) composites and their biological imaging. <i>Journal of Colloid and Interface Science</i> , 2018 , 516, 392-397	9.3	8
15	Surface grafting of rare-earth ions doped hydroxyapatite nanorods (HAP:Ln(Eu/Tb)) with hydrophilic copolymers based on ligand exchange reaction: Biological imaging and cancer treatment. <i>Materials Science and Engineering C</i> , 2018 , 91, 556-563	8.3	8
14	Fabrication of β -cyclodextrin containing AIE-active polymeric composites through formation of dynamic phenylboronic borate and their theranostic applications. <i>Cellulose</i> , 2019 , 26, 8829-8841	5.5	7
13	A novel strategy for fabrication of fluorescent hydroxyapatite based polymer composites through the combination of surface ligand exchange and self-catalyzed ATRP. <i>Materials Science and Engineering C</i> , 2018 , 92, 518-525	8.3	7
12	Surface PEGylation of mesoporous silica materials via surface-initiated chain transfer free radical polymerization: Characterization and controlled drug release. <i>Materials Science and Engineering C</i> , 2017 , 81, 57-65	8.3	7
11	Facile preparation and biological imaging of luminescent polymeric nanoprobe with aggregation-induced emission characteristics through Michael addition reaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 795-801	6	7
10	Water-dispersible fluorescent nanodiamonds for biological imaging prepared by thiol-ene click chemistry. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 95, 481-486	5.3	7
9	Facile preparation of fluorescent nanodiamond based polymer nanoparticles via ring-opening polymerization and their biological imaging. <i>Materials Science and Engineering C</i> , 2020 , 106, 110297	8.3	7
8	The combination of Diels-Alder reaction and redox polymerization for preparation of functionalized CNTs for intracellular controlled drug delivery. <i>Materials Science and Engineering C</i> , 2020 , 109, 110442	8.3	6
7	Fabrication of claviform fluorescent polymeric nanomaterials containing disulfide bond through an efficient and facile four-component Ugi reaction. <i>Materials Science and Engineering C</i> , 2021 , 118, 111437	8.3	6
6	One-pot ultrafast preparation of silica quantum dots and their utilization for fabrication of luminescent mesoporous silica nanoparticles. <i>Materials Science and Engineering C</i> , 2018 , 93, 679-685	8.3	5
5	Click multiwalled carbon nanotubes: A novel method for preparation of carboxyl groups functionalized carbon quantum dots. <i>Materials Science and Engineering C</i> , 2020 , 108, 110376	8.3	4
4	Facile preparation, through Schiff base formation, of luminescent amphiphilic carbohydrate polymers with aggregation-induced emission characteristics for biological imaging. <i>RSC Advances</i> , 2016 , 6, 76011-76016	3.7	4

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| 3 | Surface modification of fluorescent Tb-doped layered double hydroxides with hyperbranched polymers through host-guest interaction. <i>Materials Science and Engineering C</i> , 2019 , 104, 109976 | 8.3 | 3 |
| 2 | Surface grafting of fluorescent polymers on halloysite nanotubes through metal-free light-induced controlled polymerization: Preparation, characterization and biological imaging. <i>Materials Science and Engineering C</i> , 2020 , 111, 110804 | 8.3 | 3 |
| 1 | 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. <i>Materials Science and Engineering C</i> , 2019 , 98, 293-299 | 8.3 | 3 |