

# Mingfeng Wang

## List of Publications by Year in Descending Order

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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.

82

papers

2,626

citations

32

h-index

48

g-index

86

ext. papers

2,912

ext. citations

6.7

avg, IF

5.41

L-index

#	Paper	IF	Citations
82	Bioinspired Molecular Qubits and Nanoparticle Ensembles That Could Be Initialized, Manipulated, and Read Out under Mild Conditions.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 508-513	6.4	1
81	Recent advances in the development of near-infrared organic photothermal agents. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 128844	14.7	35
80	Two dimensional semiconducting polymers. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3472-3486	7.8	1
79	Conjugated donor-acceptor star molecules: a new concept for substantial dielectric breakdown strength improvement in PVDF films. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 11185-11191	7.1	1
78	Effects of miR-219/miR-338 on microglia and astrocyte behaviors and astrocyte-oligodendrocyte precursor cell interactions. <i>Neural Regeneration Research</i> , <b>2020</b> , 15, 739-747	4.5	8
77	Multiscale engineering of functional organic polymer interfaces for neuronal stimulation and recording. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 3444-3471	7.8	2
76	Functional Polymers and Polymer-Dye Composites for Food Sensing. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e2000279	4.8	2
75	Sub-10 nm Theranostic Unimolecular Micelles with High Tumor-Specific Accumulation, Retention, and Inhibitory Effect.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 4142-4153	4.1	6
74	Direct Arylation Polymerization for Synthesizing a Library of Conjugated Porous Polymers Containing Thiophene-Flanked Building Blocks. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1697-1706	4.3	6
73	Examining derivatives of quinacridone, diketopyrrolopyrrole and indigo as the visible-light organic photocatalysts for metal-free atom transfer radical polymerization. <i>Dyes and Pigments</i> , <b>2019</b> , 165, 223-230	4.6	16
72	Multiscale Self-Assembly of a Phenyl-Flanked Diketopyrrolopyrrole Derivative: A Solution-Processable Building Block for Conjugated Supramolecular Polymers. <i>Langmuir</i> , <b>2019</b> , 35, 5626-5634	4	5
71	Photoconductive Micro/Nanoscale Interfaces of a Semiconducting Polymer for Wireless Stimulation of Neuron-Like Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 4833-4841	9.5	22
70	Greener and modular synthesis of triazine-based conjugated porous polymers via direct arylation polymerization: structure-function relationship and photocatalytic application. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 1972-1982	4.9	27
69	Near-infrared fluorescent pyrrolopyrrole cyanine derivatives and colloidal nanoparticles with tunable optical properties for in vivo bioimaging. <i>Dyes and Pigments</i> , <b>2018</b> , 154, 269-274	4.6	8
68	Microfiber drug/gene delivery platform for study of myelination. <i>Acta Biomaterialia</i> , <b>2018</b> , 75, 152-160	10.8	18
67	Contrast-enhanced photoacoustic imaging in the second near-infrared window using semiconducting polymer nanoparticles. <i>Journal of Biomedical Optics</i> , <b>2018</b> , 24, 1-7	3.5	17
66	Tunable Förster Resonance Energy Transfer in Colloidal Nanoparticles Composed of Polycaprolactone-Tethered Donors and Acceptors: Enhanced Near-Infrared Emission and Compatibility for In Vitro and In Vivo Bioimaging. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705226	15.6	14

65	Self-Assembled Nanostructures of Red Fluorescent Amphiphilic Block Copolymers as Both Imaging Probes and Drug Carriers. <i>Polymers</i> , <b>2018</b> , 10,	4.5	5
64	Direct arylation polymerization toward efficient synthesis of benzo[1,2-c:4,5-c']dithiophene-4,8-dione based donor-acceptor alternating copolymers for organic optoelectronic applications. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 2554-2564	2.5	2
63	Theranostic Colloidal Nanoparticles of Pyrrolopyrrole Cyanine Derivatives for Simultaneous Near-Infrared Fluorescence Cancer Imaging and Photothermal Therapy.. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 1109-1117	4.1	7
62	Over 7% photovoltaic efficiency of a semicrystalline donor-acceptor polymer synthesized via direct arylation polymerization. <i>Dyes and Pigments</i> , <b>2018</b> , 158, 183-187	4.6	7
61	Hyperbranched narrow-bandgap DPP homopolymers synthesized via direct arylation polycondensation. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 1040-1047	2.5	13
60	Direct C-H arylation: a greener approach towards facile synthesis of organic semiconducting molecules and polymers. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 11550-11571	13	106
59	Facile synthesis of a narrow-bandgap strong-donor- alt -strong-acceptor copolymer of poly(5,6-difluorobenzo-[ c ][1,2,5]-thiadiazole- alt -5 H -dithieno[3,2- b :2',3'- d ]pyran) via direct C-H arylation polymerization. <i>Dyes and Pigments</i> , <b>2017</b> , 145, 331-338	4.6	7
58	Multifunctional polymeric micelles loaded with doxorubicin and poly(dithienyl-diketopyrrolopyrrole) for near-infrared light-controlled chemo-phototherapy of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 157, 398-406	6	26
57	Direct arylation polymerization toward a narrow bandgap donor-acceptor conjugated polymer of alternating 5,6-difluoro-2,1,3-benzothiadiazole and alkyl-quarternarythiophene: From synthesis, optoelectronic properties to devices. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 1869-1879	2.5	15
56	Fluorescent Poly(glycerol-co-sebacate) Acrylate Nanoparticles for Stem Cell Labeling and Longitudinal Tracking. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9528-9538	9.5	8
55	Near-Infrared Light-Responsive Semiconductor Polymer Composite Hydrogels: Spatial/Temporal-Controlled Release via a Photothermal "Sponge" Effect. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13602-13610	9.5	43
54	Robust Colloidal Nanoparticles of Pyrrolopyrrole Cyanine J-Aggregates with Bright Near-Infrared Fluorescence in Aqueous Media: From Spectral Tailoring to Bioimaging Applications. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 4310-4319	4.8	30
53	Unimolecular micelles of pH-responsive star-like copolymers for co-delivery of anticancer drugs and small-molecular photothermal agents: a new drug-carrier for combinational chemo/photothermal cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 8514-8524	7.3	19
52	Direct arylation polymerization toward ultra-low bandgap poly(thienoisindigo-alt-diketopyrrolopyrrole) conjugated polymers: The effect of E-protection on the polymerization and properties of the polymers. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 3205-3213	2.5	7
51	Silica Nanoparticles as Adhesives for Biological Tissues? Re-Examining the Effect of Particles Size, Particle Shape, and the Unexpected Role of Base. <i>Particle and Particle Systems Characterization</i> , <b>2017</b> , 34, 1700286	3.1	9
50	Unimolecular Micelles of Amphiphilic Cyclodextrin-Core Star-Like Copolymers with Covalent pH-Responsive Linkage of Anticancer Prodrugs. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 2529-2537	5.6	35
49	Highly Fluorescent Polycaprolactones with Tunable Light Emission Wavelengths across Visible to NIR Spectral Window. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600259	4.6	12
48	Synthesis and characterization of E-lactone-Pechmann dye based donor-acceptor conjugated polymers. <i>Dyes and Pigments</i> , <b>2016</b> , 134, 171-177	4.6	4

47	Theranostic unimolecular micelles of highly fluorescent conjugated polymer bottlebrushes for far red/near infrared bioimaging and efficient anticancer drug delivery. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 7455-7468	4.9	42
46	Hydrophobic-Sheath Segregated Macromolecular Fluorophores: Colloidal Nanoparticles of Polycaprolactone-Grafted Conjugated Polymers with Bright Far-Red/Near-Infrared Emission for Biological Imaging. <i>Biomacromolecules</i> , <b>2016</b> , 17, 1673-83	6.9	37
45	A dual-functional benzobisthiadiazole derivative as an effective theranostic agent for near-infrared photoacoustic imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 1696-1703	7.3	54
44	A dual function theranostic agent for near-infrared photoacoustic imaging and photothermal therapy <b>2016</b> ,		3
43	Dithienobenzochalcogenodiazole-based electron donor-acceptor polymers for organic electronics. <i>Dyes and Pigments</i> , <b>2016</b> , 129, 90-99	4.6	8
42	Facile synthesis of naphthodithiophenediimide based small molecules and polymers via direct arylation coupling. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 1497-1501	2	17
41	Direct arylation polymerization towards narrow bandgap conjugated microporous polymers with hierarchical porosity. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 4862-4866	4.9	21
40	Highly Fluorescent and Photostable Polymeric Nanofibers as Scaffolds for Cell Interfacing and Long-Term Tracking. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 529-33	10.1	16
39	Thienoisindigo-based small molecules and narrow bandgap polymers synthesized via C-H direct arylation coupling. <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 2015-2031	2.5	33
38	Narrow bandgap thienothiadiazole-based conjugated porous polymers: from facile direct arylation polymerization to tunable porosities and optoelectronic properties. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 6413-6427	4.9	29
37	Glutathione- and pH-responsive nonporous silica prodrug nanoparticles for controlled release and cancer therapy. <i>Nanoscale</i> , <b>2015</b> , 7, 5859-68	7.7	110
36	Direct arylation polycondensation for efficient synthesis of narrow-bandgap alternating DA copolymers consisting of naphthalene diimide as an acceptor. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 6836-6844	4.9	41
35	Glutathione-Responsive Polymeric Micelles Formed by a Biodegradable Amphiphilic Triblock Copolymer for Anticancer Drug Delivery and Controlled Release. <i>ACS Biomaterials Science and Engineering</i> , <b>2015</b> , 1, 585-592	5.5	71
34	Unimolecular micelles of amphiphilic cyclodextrin-core star-like block copolymers for anticancer drug delivery. <i>Chemical Communications</i> , <b>2015</b> , 51, 15768-71	5.8	93
33	Highly fluorescent and bioresorbable polymeric nanoparticles with enhanced photostability for cell imaging. <i>Nanoscale</i> , <b>2015</b> , 7, 889-95	7.7	42
32	Balanced Ambipolar Poly(diketopyrrolopyrrole-alt-tetrafluorobenzene) Semiconducting Polymers Synthesized via Direct Arylation Polymerization. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 2162-70	4.8	41
31	Importance of unpaired electrons in organic electronics. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 287-293	2.9	38
30	A narrow-bandgap benzobisthiadiazole derivative with high near-infrared photothermal conversion efficiency and robust photostability for cancer therapy. <i>Chemical Communications</i> , <b>2015</b> , 51, 4223-6	5.8	38

29	Highly fluorescent polycaprolactones decorated with di(thiophene-2-yl)-diketopyrrolopyrrole: A covalent strategy of tuning fluorescence properties in solid states. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 1032-1042	2.5	13
28	Synthesis of conjugated polymers via an exclusive direct-arylation coupling reaction: a facile and straightforward way to synthesize thiophene-flanked benzothiadiazole derivatives and their copolymers. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1846-1855	4.9	64
27	Crystallization-induced red emission of a facilely synthesized biodegradable indigo derivative. <i>Chemical Communications</i> , <b>2015</b> , 51, 3375-8	5.8	38
26	Inorganic-organic hybrid polymer with multiple redox for high-density data storage. <i>Chemical Science</i> , <b>2014</b> , 5, 3404-3408	9.4	138
25	Synthesis of donor-acceptor conjugated polymers based on benzo[1,2-b:4,5-b']dithiophene and 2,1,3-benzothiadiazole via direct arylation polycondensation: towards efficient C <sub>60</sub> activation in nonpolar solvents. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 5784-5792	4.9	79
24	Enhancement of the photoresponse in organic field-effect transistors by incorporating thin DNA layers. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 244-9	16.4	17
23	Direct Arylation Polymerization: A Green, Streamlining Synthetic Approach to $\pi$ -conjugated Polymers. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 999-1012	1.7	48
22	Top-down meets bottom-up: organized donor-acceptor heterojunctions for organic solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24297		65
21	PCBM Disperse-Red Ester with Strong Visible-Light Absorption: Implication of Molecular Design and Morphological Control for Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 1313-1321	3.8	19
20	Single nanowire OPV properties of a fullerene-capped P3HT dyad investigated using conductive and photoconductive AFM. <i>ACS Nano</i> , <b>2012</b> , 6, 1149-57	16.7	48
19	High-hole-mobility field-effect transistors based on co-benzobisthiadiazole-quaterthiophene. <i>Advanced Materials</i> , <b>2012</b> , 24, 6164-8	24	91
18	Sensitization of fullerenes by covalent attachment of a diketopyrrolopyrrole chromophore. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13286		14
17	High-performance ambipolar transistors and inverters from an ultralow bandgap polymer. <i>Advanced Materials</i> , <b>2012</b> , 24, 2186-90	24	144
16	Ribbons, Vesicles, and Baskets: Supramolecular Assembly of a Coil-Plate-Coil Emeraldicene Derivative. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7026-7030	3.6	6
15	Ribbons, vesicles, and baskets: supramolecular assembly of a coil-plate-coil emeraldicene derivative. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6920-4	16.4	39
14	The N <sub>2</sub> S <sub>2</sub> N link as electron accepting moiety for stable, solution-processable conjugated oligomers. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 441-451	2.5	3
13	Self-assembly of a fullerene poly(3-hexylthiophene) dyad. <i>Small</i> , <b>2011</b> , 7, 298-301	11	13
12	Solution-processable conjugated polymers containing alternating 1-alkyl-1,2,4-triazole and NSN links. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 5659		6

11	Self-assembly of colloidal quantum dots on the scaffold of triblock copolymer micelles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3160-9	9.5	23
10	Structure and Excited-State Interactions in Composites of CdSe Nanorods and Interface-Compatible Polythiophene-graft-poly(N,N-dimethylaminoethyl methacrylates). <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 393-403	2.6	6
9	Preparative size-exclusion chromatography for purification and characterization of colloidal quantum dots bound by chromophore-labeled polymers and low-molecular-weight chromophores. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5011-9	4.5	23
8	Enhancing the photoluminescence of polymer-stabilized CdSe/CdS/ZnS core/shell/shell and CdSe/ZnS core/shell quantum dots in water through a chemical-activation approach. <i>Langmuir</i> , <b>2009</b> , 25, 11732-40	4	39
7	Polymer vesicles as robust scaffolds for the directed assembly of highly crystalline nanocrystals. <i>Langmuir</i> , <b>2009</b> , 25, 13703-11	4	30
6	A Water-Soluble pH-Responsive Molecular Brush of Poly(N,N-dimethylaminoethyl methacrylate) Grafted Polythiophene. <i>Macromolecules</i> , <b>2008</b> , 41, 6993-7002	5.5	127
5	Nanoscale co-organization of quantum dots and conjugated polymers using polymeric micelles as templates. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9481-91	16.4	54
4	Loading quantum dots into thermo-responsive microgels by reversible transfer from organic solvents to water. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 763		50
3	Water-Soluble CdSe Quantum Dots Passivated by a Multidentate Diblock Copolymer. <i>Macromolecules</i> , <b>2007</b> , 40, 6377-6384	5.5	90
2	Colloidal CdSe nanocrystals passivated by a dye-labeled multidentate polymer: quantitative analysis by size-exclusion chromatography. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2221-4	16.4	56
1	Colloidal CdSe Nanocrystals Passivated by a Dye-Labeled Multidentate Polymer: Quantitative Analysis by Size-Exclusion Chromatography. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2279-2282	3.6	5