

Feng Wang

List of Publications by Year in descending order

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111
papers

7,446
citations

94433

37
h-index

53230

85
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117
all docs

117
docs citations

117
times ranked

6569
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-responsive supramolecular polymeric materials. <i>Chemical Society Reviews</i> , 2012, 41, 6042.	38.1	1,440
2	Supramolecular polymers constructed by crown ether-based molecular recognition. <i>Chemical Society Reviews</i> , 2012, 41, 1621-1636.	38.1	618
3	Supramolecular Polymers Constructed from Macrocyclic Host-Guest Molecular Recognition Motifs. <i>Accounts of Chemical Research</i> , 2014, 47, 1982-1994.	15.6	499
4	Self-Sorting Organization of Two Heteroditopic Monomers to Supramolecular Alternating Copolymers. <i>Journal of the American Chemical Society</i> , 2008, 130, 11254-11255.	13.7	437
5	Metal Coordination Mediated Reversible Conversion between Linear and Cross-Linked Supramolecular Polymers. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1090-1094.	13.8	415
6	Multicolor Tuning of Lanthanide-Doped Nanoparticles by Single Wavelength Excitation. <i>Accounts of Chemical Research</i> , 2014, 47, 1378-1385.	15.6	391
7	Cooperative supramolecular polymers with anthracene-endoperoxide photo-switching for fluorescent anti-counterfeiting. <i>Nature Communications</i> , 2018, 9, 3977.	12.8	208
8	Multistimuli Responsive Supramolecular Cross-Linked Networks On the Basis of the Benzo-21-Crown-7/Secondary Ammonium Salt Recognition Motif. <i>Macromolecules</i> , 2012, 45, 8412-8419.	4.8	148
9	Responsive Supramolecular Polymers Based on the Bis[alkynylplatinum(II)] Terpyridine Molecular Tweezer/Arene Recognition Motif. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6090-6094.	13.8	146
10	Pillararene Host-Guest Complexation Induced Chirality Amplification: A New Way to Detect Cryptochiral Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10868-10872.	13.8	133
11	Formation of linear main-chain polypseudorotaxanes with supramolecular polymer backbones via two self-sorting host-guest recognition motifs. <i>Chemical Communications</i> , 2009, , 4375.	4.1	114
12	Taco Complex Templated Syntheses of a Cryptand/Paraquat [2]Rotaxane and a [2]Catenane by Olefin Metathesis. <i>Organic Letters</i> , 2009, 11, 3350-3353.	4.6	113
13	Donor-acceptor-type supramolecular polymers on the basis of preorganized molecular tweezers/guest complexation. <i>Chemical Society Reviews</i> , 2018, 47, 5165-5176.	38.1	110
14	Anion-Controlled Ion-Pair Recognition of Paraquat by a Bis(<i>m</i> -phenylene)-32-crown-10 Derivative Heteroditopic Host. <i>Journal of Organic Chemistry</i> , 2009, 74, 1322-1328.	3.2	100
15	Simultaneous Discrimination of Handedness and Diameter of Single-Walled Carbon Nanotubes (SWNTs) with Chiral Diporphyrin Nanotweezers Leading to Enrichment of a Single Enantiomer of (6,5)-SWNTs. <i>Journal of the American Chemical Society</i> , 2010, 132, 10876-10881.	13.7	88
16	Multicomponent Assembled Systems Based on Platinum(II) Terpyridine Complexes. <i>Accounts of Chemical Research</i> , 2018, 51, 2719-2729.	15.6	84
17	Formation of stimuli-responsive supramolecular polymeric assemblies via orthogonal metal-ligand and host-guest interactions. <i>Chemical Communications</i> , 2013, 49, 5951.	4.1	83
18	Multi-Stimuli Responsive and Multicolor Adjustable Pure Organic Room Temperature Fluorescence-Phosphorescent Dual-Emission Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2101312.	14.9	72

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19	Cooperative Supramolecular Polymerization of Fluorescent Platinum Acetylides for Optical Waveguide Applications. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12466-12470.	13.8	71
20	Hydrogen Bonding Directed Supramolecular Polymerisation of Oligo(Phenylene-ethynylene)s: Cooperative Mechanism, Core Symmetry Effect and Chiral Amplification. <i>Chemistry - A European Journal</i> , 2012, 18, 11761-11770.	3.3	70
21	Cooperative self-assembly of platinum(ii) acetylide complexes. <i>Chemical Communications</i> , 2013, 49, 9197.	4.1	68
22	Cucurbit[6]uril-Derived Nitrogen-Doped Hierarchical Porous Carbon Confined in Graphene Network for Potassium-Ion Hybrid Capacitors. <i>Advanced Science</i> , 2020, 7, 2001681.	11.2	66
23	Recent progress on supramolecular assembly of organoplatinum(II) complexes into long-range ordered nanostructures. <i>Coordination Chemistry Reviews</i> , 2020, 414, 213300.	18.8	61
24	Selectivity Algorithm for the Formation of Two Cryptand/Paraquat Catenanes. <i>Organic Letters</i> , 2010, 12, 760-763.	4.6	57
25	Helical polydiacetylene prepared in the liquid crystal phase using circular polarized ultraviolet light. <i>Chemical Communications</i> , 2014, 50, 365-367.	4.1	56
26	Compartmentalization-induced phosphorescent emission enhancement and triplet energy transfer in aqueous medium. <i>Nature Communications</i> , 2019, 10, 3735.	12.8	56
27	Construction of supramolecular hyperbranched polymers via the "tweezering directed self-assembly" strategy. <i>Chemical Communications</i> , 2014, 50, 9477.	4.1	54
28	Supramolecular Engineering of Discrete Pt(II)-Pt(II) Interactions for Visible-Light Photocatalysis. <i>ACS Catalysis</i> , 2017, 7, 4676-4681.	11.2	51
29	Controlled formation of a supramolecular polymer network driven by heterometallic coordination interactions. <i>Polymer Chemistry</i> , 2013, 4, 453-457.	3.9	47
30	Design, Synthesis, and Examination of Neuron Protective Properties of Alkenylated and Amidated Dehydro-Silybin Derivatives. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7732-7752.	6.4	45
31	Simultaneous Discrimination of Diameter, Handedness, and Metallicity of Single-Walled Carbon Nanotubes with Chiral Diporphyrin Nanocalipers. <i>Journal of the American Chemical Society</i> , 2013, 135, 4805-4814.	13.7	45
32	Three-dimensional bis(m-phenylene)-32-crown-10-based cryptand/paraquat catenanes. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1288.	2.8	44
33	Bright and Robust Phosphorescence Achieved by Non-Covalent Clipping. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8212-8219.	13.8	43
34	A bioinspired sequential energy transfer system constructed via supramolecular copolymerization. <i>Nature Communications</i> , 2022, 13, .	12.8	40
35	Diameter-based separation of single-walled carbon nanotubes through selective extraction with dipylene nanotweezers. <i>Chemical Science</i> , 2011, 2, 862.	7.4	39
36	Chirality-Controlled Supramolecular Donor-Acceptor Copolymerization with Distinct Energy Transfer Efficiency. <i>Journal of the American Chemical Society</i> , 2022, 144, 9775-9784.	13.7	39

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37	Donor–Acceptor-Type Supramolecular Polymers Derived from Robust yet Responsive Heterodimeric Tweezers. <i>Macromolecules</i> , 2016, 49, 6455-6461.	4.8	38
38	Photoresponsive Supramolecular Polymer Networks via Hydrogen Bond Assisted Molecular Tweezer/Guest Complexation. <i>ACS Macro Letters</i> , 2017, 6, 541-545.	4.8	36
39	Efficient syntheses of bis(m-phenylene)-26-crown-8-based cryptand/paraquat derivative [2]rotaxanes by immediate solvent evaporation method. <i>Tetrahedron</i> , 2009, 65, 1488-1494.	1.9	35
40	Syntheses of Monofunctional Derivatives of m-Phenylene-16-crown-5, Bis(m-phenylene)-32-crown-10, and m-Phenylene-p-phenylene-33-crown-10. <i>Journal of Organic Chemistry</i> , 1997, 62, 4798-4803.	3.2	34
41	Modulating Pt–Pt metal–metal interactions through conformationally switchable molecular tweezer/guest complexation. <i>Chemical Communications</i> , 2018, 54, 1754-1757.	4.1	34
42	Mechanical Activation of Platinum–Acetylide Complex for Olefin Hydrosilylation. <i>ACS Macro Letters</i> , 2017, 6, 1146-1150.	4.8	33
43	Improved complexation between dibenzo-24-crown-8 derivatives and dibenzylammonium salts by ion-pair recognition. <i>New Journal of Chemistry</i> , 2008, 32, 1827.	2.8	32
44	Self-assembly of platinum(II) 6-phenyl-2,2'-bipyridine complexes with solvato- and iono-chromic phenomena. <i>Chemical Communications</i> , 2019, 55, 229-232.	4.1	32
45	Pillararene Host–Guest Complexation Induced Chirality Amplification: A New Way to Detect Cryptochiral Compounds. <i>Angewandte Chemie</i> , 2020, 132, 10960-10964.	2.0	32
46	Mechanically linked poly[2]rotaxanes constructed from the benzo-21-crown-7/secondary ammonium salt recognition motif. <i>Polymer Chemistry</i> , 2016, 7, 3664-3668.	3.9	30
47	Mechanically Linked Poly[2]rotaxanes Constructed via the Hierarchical Self-Assembly Strategy. <i>ACS Macro Letters</i> , 2015, 4, 6-10.	4.8	29
48	Binding of secondary dialkylammonium salts by pyrido-21-crown-7. <i>Tetrahedron Letters</i> , 2008, 49, 6917-6920.	1.4	28
49	Cyanostilbene-based vapo-fluorochromic supramolecular assemblies for reversible 3D code encryption. <i>Nanoscale Horizons</i> , 2020, 5, 1081-1087.	8.0	28
50	Supramolecular Cross-Linking and Gelation of Conjugated Polycarbazoles via Hydrogen Bond Assisted Molecular Tweezer/Guest Complexation. <i>Macromolecules</i> , 2017, 50, 7517-7525.	4.8	27
51	Single-Photon Near-Infrared Responsiveness from the Molecular to the Supramolecular Level via Platination of Pentacenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14076-14082.	13.8	27
52	A bis(m-phenylene)-32-crown-10-based fluorescence chemosensor for paraquat and diquat. <i>Tetrahedron Letters</i> , 2008, 49, 5009-5012.	1.4	26
53	Aggregation induced emission of a cyanostilbene amphiphile as a novel platform for FRET-based ratiometric sensing of mercury ions in water. <i>Polymer Chemistry</i> , 2016, 7, 5217-5220.	3.9	26
54	Synthesis of Bis(m-phenylene)-32-crown-10-Based Discrete Rhomboids Driven by Metal-Coordination and Complexation with Paraquat. <i>Journal of Organic Chemistry</i> , 2009, 74, 3905-3912.	3.2	25

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55	Preparation of two sets of 5,6,7-trioxygenated dihydroflavonol derivatives as free radical scavengers and neuronal cell protectors to oxidative damage. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3414-3425.	3.0	24
56	Bis[alkynylplatinum(II)] Terpyridine Molecular Tweezer/Guest Recognition Enhanced by Intermolecular Hydrogen Bonds: Phototriggered Complexation via the "Caging" Strategy. <i>Organometallics</i> , 2016, 35, 2850-2853.	2.3	23
57	Supramolecular Chirogenesis Induced by Platinum(II) Tweezers with Excellent Environmental Tolerance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3498-3503.	13.8	23
58	Construction of Supramolecular Polymers Based on Host-Guest Recognition. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1473-1479.	4.9	22
59	Supramolecular alternate donor-acceptor copolymers mediated by Pt-Pt metal-metal interactions and their photocatalytic applications. <i>Nanoscale</i> , 2018, 10, 14005-14011.	5.6	21
60	Additive-Controlled Kinetic Trapping of Quadruple Platinum(II) Stacks with Emergent Photothermal Behaviors. <i>CCS Chemistry</i> , 2021, 3, 105-115.	7.8	21
61	Simultaneous enhancement of phosphorescence and chirality by host-guest recognition of molecular tweezers. <i>Chinese Chemical Letters</i> , 2022, 33, 4900-4903.	9.0	21
62	Chemoresponsive Supramolecular Polypseudorotaxanes with Infinite Switching Capability. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19997-20002.	13.8	20
63	Photoinduced Polymer Cyclization via Supramolecular Confinement of Cyanostilbenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
64	Main-Chain Supramolecular Polymers Based on Orthogonal Benzo-Crown/Secondary Ammonium Salt and Terpyridine/Metal Ion Recognition Motifs. <i>Macromolecular Rapid Communications</i> , 2014, 35, 337-343.	3.9	19
65	Advances on supramolecular assembly of cyclometalated platinum(II) complexes. <i>Chinese Chemical Letters</i> , 2016, 27, 1147-1154.	9.0	19
66	Preparation of C-23 esterified silybin derivatives and evaluation of their lipid peroxidation inhibitory and DNA protective properties. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6380-6389.	3.0	18
67	Well-defined supramolecular polymers based on orthogonal hydrogen-bonding and host-guest interactions. <i>Polymer Chemistry</i> , 2015, 6, 5540-5544.	3.9	18
68	Cooperative self-assembly and gelation of organogold complexes via hydrogen bonding and aurophilic Au-Au interactions. <i>Chemical Communications</i> , 2017, 53, 11552-11555.	4.1	18
69	Non-covalent molecular tweezer/guest complexation with Pt-Pt metal-metal interactions: toward intelligent photocatalytic materials. <i>Materials Chemistry Frontiers</i> , 2018, 2, 76-80.	5.9	17
70	Photoresponsiveness of Anthracene-Based Supramolecular Polymers Regulated via a π -Platinated 4,4-Difluoro-4-bora-3a,4a-diaza-indacene Photosensitizer. <i>Inorganic Chemistry</i> , 2019, 58, 12407-12414.	4.0	17
71	Time-encoded bio-fluorochromic supramolecular co-assembly for rewritable security printing. <i>Chemical Science</i> , 2021, 12, 10041-10047.	7.4	16
72	Self-assembly of benzothiadiazole-functionalized dinuclear platinum acetylide bolaamphiphiles for bio-imaging application. <i>Polymer Chemistry</i> , 2015, 6, 5575-5579.	3.9	15

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73	Synthesis and antioxidant evaluation of novel silybin analogues. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 399-404.	5.2	14
74	Two-component supramolecular metallogels with the presence of Pt–Pt metal–metal interactions. <i>Chemical Communications</i> , 2018, 54, 9857-9860.	4.1	14
75	Acceptor-induced cooperative supramolecular co-assembly with emissive charge-transfer for advanced supramolecular encryption. <i>Chemical Communications</i> , 2020, 56, 9214-9217.	4.1	14
76	Ligand effects on cooperative supramolecular polymerization of platinum(II) acetylide complexes. <i>Polymer Chemistry</i> , 2016, 7, 5763-5767.	3.9	13
77	Bright and Robust Phosphorescence Achieved by Non-Covalent Clipping. <i>Angewandte Chemie</i> , 2021, 133, 8293-8300.	2.0	12
78	Preparation of ferulic acid derivatives and evaluation of their xanthine oxidase inhibition activity. <i>Natural Product Research</i> , 2007, 21, 196-202.	1.8	11
79	Mesomorphism, polymerization, and chirality induction in <i>Z</i> -cyanostilbene-functionalized diacetylene-assembled films: Photo-triggered <i>Z</i> / <i>E</i> isomerization. <i>Journal of Polymer Science Part A</i> , 2017, 55, 2458-2466.	2.3	11
80	Near-Infrared-Emissive Self-assembled Polymers via the Implementation of Molecular Tweezer/Guest Complexation on a Supramolecular Coordination Complex Platform. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 399-405.	3.8	11
81	Macrocyclic versus acyclic preorganization in organoplatinum(II)-based host–guest complexes. <i>Chinese Chemical Letters</i> , 2019, 30, 1927-1930.	9.0	11
82	Supramolecular Chirogenesis Induced by Platinum(II) Tweezers with Excellent Environmental Tolerance. <i>Angewandte Chemie</i> , 2021, 133, 3540-3545.	2.0	11
83	Single-Photon Near-Infrared-Responsiveness from the Molecular to the Supramolecular Level via Platination of Pentacenes. <i>Angewandte Chemie</i> , 2021, 133, 14195-14201.	2.0	11
84	Performance and selectivity of dicyanuric-functionalized polycaprolactone as stationary phase for capillary gas chromatography. <i>Journal of Chromatography A</i> , 2016, 1466, 129-135.	3.7	10
85	Cooperative Complexation of Amino Acid Derivatives to Platinum Acetylide-Based Bolaamphiphile. <i>Organic Letters</i> , 2014, 16, 3180-3183.	4.6	9
86	Bis[alkynylplatinum(II)] terpyridine molecular tweezer with conformationally-rigid spacer: modulating the binding selectivity in a three-component supramolecular recognition system. <i>Dalton Transactions</i> , 2016, 45, 17290-17295.	3.3	9
87	Pre-organized molecular tweezer stabilized by intramolecular hydrogen bonds: solvent-responsive host–guest complexation. <i>Tetrahedron Letters</i> , 2016, 57, 1971-1975.	1.4	9
88	Cooperative Supramolecular Polymerization of Fluorescent Platinum Acetylides for Optical Waveguide Applications. <i>Angewandte Chemie</i> , 2017, 129, 12640-12644.	2.0	9
89	Cooperative supramolecular polymerization of phosphorescent alkynyl-gold(I)–isocyanide complexes. <i>Polymer Chemistry</i> , 2019, 10, 3210-3216.	3.9	9
90	Organoplatinum(II)-Based Self-Complementary Molecular Tweezers with Guest-Induced Fluorochromic Behaviors. <i>Inorganic Chemistry</i> , 2020, 59, 14134-14140.	4.0	9

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91	Trimethylammonium- π -Derived Molecular Tweezers and Their Host-Guest Complexation Behaviours in Polar Media. <i>Chemistry - an Asian Journal</i> , 2016, 11, 1775-1779.	3.3	8
92	Linear Supramolecular Polymers via Connecting Telechelic Polycaprolactone through Alkynylplatinum(II) Terpyridine Molecular Tweezer/Pyrene Recognition Motif. <i>Macromolecular Rapid Communications</i> , 2016, 37, 718-724.	3.9	7
93	Metallo-supramolecular polymers derived from benzothiadiazole-based platinum acetylide complexes for fluorescent security application. <i>RSC Advances</i> , 2018, 8, 40794-40797.	3.6	7
94	Chiral supramolecular polymerization of dicyanostilbenes with emergent circularly polarized luminescence behavior. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4986-4993.	4.5	7
95	Acylhydrazone-based supramolecular assemblies undergoing a converse sol-to-gel transition on <i>trans</i> \rightarrow <i>cis</i> photoisomerization. <i>Chemical Science</i> , 2022, 13, 7892-7899.	7.4	7
96	Structural Isomerism Effect in Platinum(II) Acetylide-Based Supramolecular Polymers. <i>Inorganic Chemistry</i> , 2020, 59, 6481-6488.	4.0	5
97	SUPRAMOLECULAR POLYMERS BASED ON CROWN ETHER DERIVATIVES. <i>Acta Polymerica Sinica</i> , 2011, 011, 956-964.	0.0	5
98	Supramolecular amphiphile derived from non-covalent alkynylplatinum(II) terpyridine molecular tweezer/pyrene complexation. <i>Tetrahedron Letters</i> , 2016, 57, 4549-4555.	1.4	3
99	Near-infrared photon-excited energy transfer in platinum(II)-based supramolecular polymers assisted by upconverting nanoparticles. <i>Chemical Communications</i> , 2021, 57, 1927-1930.	4.1	3
100	Investigation of the Amide Linkages on Cooperative Supramolecular Polymerization of Organoplatinum(II) Complexes. <i>Molecules</i> , 2021, 26, 2832.	3.8	3
101	Supramolecular Polymerization of C ₃ -Symmetric, Triphenylene-Cored Aza-Polycyclic Aromatic Hydrocarbons with Excellent and Switchable Circularly Polarized Luminescence Performance. <i>Macromolecules</i> , 2021, 54, 7291-7297.	4.8	3
102	Photo-induced Polymer Cyclization via Supramolecular Confinement of Cyanostilbenes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
103	Evaluation of lipid peroxidation inhibition and free radical scavenging abilities of 5,6,7-trimethoxy dihydroflavonols. <i>Chinese Chemical Letters</i> , 2009, 20, 1187-1190.	9.0	2
104	Preparation of silybin 23-esters and evaluation of their inhibitory ability against LPO and DNA protective properties. <i>Chinese Chemical Letters</i> , 2009, 20, 1030-1033.	9.0	2
105	Influence of the angle between two crown ether moieties on supramolecular copolymerization of bis(crown ether)s and bisparaquat homoditopic monomers. <i>Science China Chemistry</i> , 2010, 53, 1081-1088.	8.2	2
106	Chemoresponsive Supramolecular Polypseudorotaxanes with Infinite Switching Capability. <i>Angewandte Chemie</i> , 2021, 133, 20150-20155.	2.0	2
107	[2.2]Paracyclophane-bridged platinum(II) complexes for silver(I) recognition with emission enhancement. <i>Chemical Communications</i> , 2021, 57, 11996-11999.	4.1	2
108	Phosphorescent Host-Guest Complexes on the Basis of Polyhedral Oligomeric Silsesquioxane-Functionalized Metallotweezers. <i>Inorganic Chemistry</i> , 2022, 61, 7111-7119.	4.0	2

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109	Structure and solvent effects on the stability of platinum(II) acetylide-based supramolecular polymers. <i>Journal of Organometallic Chemistry</i> , 2021, 933, 121632.	1.8	1
110	Molecular Tweezer/Guest Complexation with the Participation of Hydrogen Bonds: Toward the Formation of Orthogonal Supramolecular Polymers. <i>ChemNanoMat</i> , 2018, 4, 753-757.	2.8	0
111	Supramolecular Chirogenesis Engineered by Pt(II)âPt(II) MetalâMetal Interactions. <i>Organic Materials</i> , 2021, 03, 274-280.	2.0	0