

# Hu Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,726  
citations

331670

21  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent Supramolecular Polymeric Materials. <i>Advanced Materials</i> , 2017, 29, 1606117.	21.0	215
2	Reversible Ion-Conducting Switch in a Novel Single-Ion Supramolecular Hydrogel Enabled by Photoresponsive Host-Guest Molecular Recognition. <i>Advanced Materials</i> , 2019, 31, e1807328.	21.0	144
3	Dual-Encryption in a Shape-Memory Hydrogel with Tunable Fluorescence and Reconfigurable Architecture. <i>Advanced Materials</i> , 2021, 33, e2102023.	21.0	127
4	Supramolecular Construction of Multifluorescent Gels: Interfacial Assembly of Discrete Fluorescent Gels through Multiple Hydrogen Bonding. <i>Advanced Materials</i> , 2015, 27, 8062-8066.	21.0	118
5	Advanced functional polymer materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1803-1915.	5.9	117
6	A pillar[5]arene-based 3D network polymer for rapid removal of organic micropollutants from water. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24217-24222.	10.3	105
7	Fluorescent materials-based information storage. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1024-1039.	5.9	99
8	Reconstructable Gradient Structures and Reprogrammable 3D Deformations of Hydrogels with Coumarin Units as the Photolabile Crosslinks. <i>Advanced Materials</i> , 2021, 33, e2008057.	21.0	82
9	Removal of Organic Micropollutants from Water by Macrocyclic-Containing Covalent Polymer Networks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23402-23412.	13.8	78
10	Single Chromophore-Based White-Light-Emitting Hydrogel with Tunable Fluorescence and Patternability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39343-39352.	8.0	76
11	Paper without a Trail: Time-Dependent Encryption using Pillar[5]arene-Based Host-Guest Invisible Ink. <i>Advanced Materials</i> , 2022, 34, e2108163.	21.0	68
12	Preparation of a white-light-emitting fluorescent supramolecular polymer gel with a single chromophore and use of the gel to fabricate a protected quick response code. <i>Materials Chemistry Frontiers</i> , 2017, 1, 167-171.	5.9	58
13	An ATP/ATPase responsive supramolecular fluorescent hydrogel constructed via electrostatic interactions between poly(sodium <i>p</i> -styrenesulfonate) and a tetraphenylethene derivative. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2728-2733.	5.8	56
14	Hydrogels for anion removal from water. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1394-1403.	10.3	55
15	Controlling amphiphilic copolymer self-assembly morphologies based on macrocycle/anion recognition and nucleotide-induced payload release. <i>Chemical Science</i> , 2016, 7, 6006-6014.	7.4	42
16	A supramolecular polymer network gel with stimuli-responsiveness constructed by orthogonal metal ion coordination and pillar[5]arene-based host-guest recognition. <i>Polymer Chemistry</i> , 2017, 8, 3783-3787.	3.9	42
17	Facile construction of fluorescent polymeric aggregates with various morphologies by self-assembly of supramolecular amphiphilic graft copolymers. <i>Polymer Chemistry</i> , 2015, 6, 5021-5025.	3.9	38
18	Construction of Metallacage-Cored Supramolecular Gel by Hierarchical Self-Assembly of Metal Coordination and Pillar[5]arene-Based Host-Guest Recognition. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800655.	3.9	38

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19	A supramolecular hyperbranched polymer with multi-responsiveness constructed by pillar[5]arene-based host-guest recognition and its application in the breath figure method. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1568-1573.	5.9	37
20	A fluorescent supramolecular crosslinked polymer gel formed by crown ether based host-guest interactions and aggregation induced emission. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 890-898.	3.8	31
21	Selective Separation of Lithium Chloride by Organogels Containing Strapped Calix[4]pyrroles. <i>Journal of the American Chemical Society</i> , 2021, 143, 20403-20410.	13.7	28
22	A multistimuli-responsive supramolecular polymer constructed by crown ether-based molecular recognition and disulfide bond connection. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2079-2084.	2.3	16
23	Molecular recognition of pyrazine <i>N,N</i> -dioxide using aryl extended calix[4]pyrroles. <i>Chemical Science</i> , 2020, 11, 5650-5657.	7.4	16
24	A responsive supramolecular metallogel constructed by coordination-driven self-assembly of a crown ether-based [3]pseudorotaxane and a diplatinum( $\text{scp}$ ) acceptor. <i>Dalton Transactions</i> , 2015, 44, 11264-11268.	3.3	11
25	Removal of Organic Micropollutants from Water by Macrocyclic-Containing Covalent Polymer Networks. <i>Angewandte Chemie</i> , 2020, 132, 23608-23618.	2.0	11
26	Anion extractants constructed by macrocycle-based anion recognition. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15297-15308.	10.3	11
27	A multiple-responsive water-soluble [3]pseudorotaxane constructed by pillar[5]arene-based molecular recognition and disulfide bond connection. <i>RSC Advances</i> , 2016, 6, 740-744.	3.6	5
28	Polystyrene-supported neutral lithium receptor for the recovery of high-purity $\text{LiPF}_6$ from simulated degraded electrolyte. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14788-14794.	10.3	2