

Changcheng He

List of Publications by Year in descending order

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21
papers

1,422
citations

471509

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713466

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times ranked

2079
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Graphene Peroxide and Its Application in Fabricating Super Extensible and Highly Resilient Nanocomposite Hydrogels. <i>ACS Nano</i> , 2012, 6, 8194-8202.	14.6	185
2	Facile Fabrication of Tough Hydrogels Physically Cross-Linked by Strong Cooperative Hydrogen Bonding. <i>Macromolecules</i> , 2013, 46, 7423-7435.	4.8	168
3	Anisotropic tough poly(vinyl alcohol) hydrogels. <i>Soft Matter</i> , 2012, 8, 10439.	2.7	165
4	Super-strong and tough poly(vinyl alcohol)/poly(acrylic acid) hydrogels reinforced by hydrogen bonding. <i>Journal of Materials Chemistry B</i> , 2018, 6, 8105-8114.	5.8	162
5	Facile preparation of hydrogen-bonded supramolecular polyvinyl alcohol-glycerol gels with excellent thermoplasticity and mechanical properties. <i>Polymer</i> , 2017, 111, 168-176.	3.8	153
6	Rheological Behavior of Tough PVP- <i>in Situ</i> -PAAm Hydrogels Physically Cross-Linked by Cooperative Hydrogen Bonding. <i>Macromolecules</i> , 2016, 49, 8265-8273.	4.8	106
7	Mechanically strong and thermosensitive macromolecular microsphere composite poly(N-isopropylacrylamide) hydrogels. <i>Polymer</i> , 2013, 54, 1596-1602.	3.8	79
8	Nanoparticles, microgels and bulk hydrogels with very high mechanical strength starting from micelles. <i>Soft Matter</i> , 2011, 7, 2943.	2.7	72
9	Dynamic Ag-N Bond Enhanced Stretchable Conductor for Transparent and Self-Healing Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1486-1494.	8.0	53
10	Nano-hydroxyapatite/polyacrylamide composite hydrogels with high mechanical strengths and cell adhesion properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 959-964.	5.0	47
11	Biomimetic jellyfish-like PVA/graphene oxide nanocomposite hydrogels with anisotropic and pH-responsive mechanical properties. <i>Journal of Materials Science</i> , 2016, 51, 5901-5911.	3.7	41
12	Tough and super-resilient hydrogels synthesized by using peroxidized polymer chains as polyfunctional initiating and cross-linking centers. <i>Soft Matter</i> , 2013, 9, 2837.	2.7	40
13	Hollow hydroxyapatite spheres fabrication with three-dimensional hydrogel template. <i>CrystEngComm</i> , 2014, 16, 4202-4209.	2.6	38
14	Strong adhesion of poly(vinyl alcohol)-glycerol hydrogels onto metal substrates for marine antifouling applications. <i>Soft Matter</i> , 2020, 16, 709-717.	2.7	25
15	Luminescent hydrogels based on di(4-propoxyphenyl)-dibenzofulvene exhibiting four emission colours and organic solvents/thermal dual-responsive properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5829-5835.	5.5	23
16	Freezing-induced multi-colour emissions of AIE luminogen di(4-propoxyphenyl) dibenzofulvene. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2677-2685.	5.5	22
17	Surfactant-assisted self-assembled polymorphs of AIEgen di(4-propoxyphenyl)dibenzofulvene. <i>Journal of Materials Chemistry C</i> , 2017, 5, 557-565.	5.5	17
18	Transforming polyethylene and polypropylene into nontraditional fluorescent polymers by thermal oxidation. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1010-1016.	5.5	13

#	ARTICLE	IF	CITATIONS
19	Toughening hydrogels by immersing with oppositely charged polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 2432-2441.	2.1	8
20	Polymeric nanospheres with tunable sizes, water dispersibility, and thermostability from heating-enabled micellization of polysulfone- <i>block</i> -polyethylene glycol. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 769-777.	2.1	3
21	Nanoporous Metal Membranes: Nanoporous Metal Membranes with Bicontinuous Morphology from Recyclable Block-Copolymer Templates (<i>Adv. Mater.</i> 18/2010). <i>Advanced Materials</i> , 2010, 22, .	21.0	0