Changcheng He

List of Publications by Year
in descending order

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21 papers	1,422 citations	471509 17 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	2079 citing authors

#	Article	IF	Citations
1	Transforming polyethylene and polypropylene into nontraditional fluorescent polymers by thermal oxidation. Journal of Materials Chemistry C, 2022, 10, 1010-1016.	5.5	13
2	Strong adhesion of poly(vinyl alcohol)â€“glycerol hydrogels onto metal substrates for marine antifouling applications. Soft Matter, 2020, 16, 709-717.	2.7	25
3	Dynamic Agâ€“N Bond Enhanced Stretchable Conductor for Transparent and Self-Healing Electronic Skin. ACS Applied Materials & Interfaces, 2020, 12, 1486-1494.	8.0	53
4	Polymeric nanospheres with tunable sizes, water dispersibility, and thermostability from heatingâ€enabled micellization of polysulfoneâ€blockâ€polyethylene glycol. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 769-777.	2.1	3
5	Super-strong and tough poly(vinyl alcohol)/poly(acrylic acid) hydrogels reinforced by hydrogen bonding. Journal of Materials Chemistry B, 2018, 6, 8105-8114.	5.8	162
6	Facile preparation of hydrogen-bonded supramolecular polyvinyl alcohol-glycerol gels with excellent thermoplasticity and mechanical properties. Polymer, 2017, 111, 168-176.	3.8	153
7	Surfactant-assisted self-assembled polymorphs of AIEgen di(4-propoxyphenyl)dibenzofulvene. Journal of Materials Chemistry C, 2017, 5, 557-565.	5.5	17
8	Toughening hydrogels by immersing with oppositely charged polymers. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 2432-2441.	2.1	8
9	Rheological Behavior of Tough PVP-in Situ-PAAm Hydrogels Physically Cross-Linked by Cooperative Hydrogen Bonding. Macromolecules, 2016, 49, 8265-8273.	4.8	106
10	Biomimetic jellyfish-like PVA/graphene oxide nanocomposite hydrogels with anisotropic and pH-responsive mechanical properties. Journal of Materials Science, 2016, 51, 5901-5911.	3.7	41
11	Freezing-induced multi-colour emissions of AIE luminogen di(4-propoxyphenyl) dibenzofulvene. Journal of Materials Chemistry C, 2015, 3, 2677-2685.	5.5	22
12	Nano-hydroxyapatite/polyacrylamide composite hydrogels with high mechanical strengths and cell adhesion properties. Colloids and Surfaces B: Biointerfaces, 2014, 123, 959-964.	5.0	47
13	Hollow hydroxyapatite spheres fabrication with three-dimensional hydrogel template. CrystEngComm, 2014, 16, 4202-4209.	2.6	38
14	Luminescent hydrogels based on di(4-propoxyphenyl)-dibenzofulvene exhibiting four emission colours and organic solvents/thermal dual-responsive properties. Journal of Materials Chemistry C, 2014, 2, 5829-5835.	5.5	23
15	Mechanically strong and thermosensitive macromolecular microsphere composite poly(N-isopropylacrylamide) hydrogels. Polymer, 2013, 54, 1596-1602.	3.8	79
16	Facile Fabrication of Tough Hydrogels Physically Cross-Linked by Strong Cooperative Hydrogen Bonding. Macromolecules, 2013, 46, 7423-7435.	4.8	168
17	Tough and super-resilient hydrogels synthesized by using peroxidized polymer chains as polyfunctional initiating and cross-linking centers. Soft Matter, 2013, 9, 2837.	2.7	40
18	Anisotropic tough poly(vinyl alcohol) hydrogels. Soft Matter, 2012, 8, 10439.	2.7	165

#	Article	IF	Citations
19	Synthesis of Graphene Peroxide and Its Application in Fabricating Super Extensible and Highly Resilient Nanocomposite Hydrogels. ACS Nano, 2012, 6, 8194-8202.	14.6	185
20	Nanoparticles, microgels and bulk hydrogels with very high mechanical strength starting from micelles. Soft Matter, 2011, 7, 2943.	2.7	72
21	Nanoporous Metal Membranes: Nanoporous Metal Membranes with Bicontinuous Morphology from Recyclable Blockâ€€opolymer Templates (Adv. Mater. 18/2010). Advanced Materials, 2010, 22, .	21.0	0