

Qiaomei Chen

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,413
citations

394421

19
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

2570
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Mouldable liquid-crystalline elastomer actuators with exchangeable covalent bonds. <i>Nature Materials</i> , 2014, 13, 36-41. | 27.5 | 670 |
| 2 | A durable monolithic polymer foam for efficient solar steam generation. <i>Chemical Science</i> , 2018, 9, 623-628. | 7.4 | 235 |
| 3 | Regional Shape Control of Strategically Assembled Multishape Memory Vitrimers. <i>Advanced Materials</i> , 2016, 28, 156-160. | 21.0 | 213 |
| 4 | Multi-stimuli responsive and multi-functional oligoaniline-modified vitrimers. <i>Chemical Science</i> , 2017, 8, 724-733. | 7.4 | 178 |
| 5 | Untethered Recyclable Tubular Actuators with Versatile Locomotion for Soft Continuum Robots. <i>Advanced Materials</i> , 2018, 30, e1801103. | 21.0 | 133 |
| 6 | Injectable and Self-Healing Chitosan Hydrogel Based on Imine Bonds: Design and Therapeutic Applications. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2198. | 4.1 | 110 |
| 7 | Seamless multimaterial 3D liquid-crystalline elastomer actuators for next-generation entirely soft robots. <i>Science Advances</i> , 2020, 6, eaay8606. | 10.3 | 108 |
| 8 | Liquid-Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4778-4784. | 13.8 | 102 |
| 9 | Polydopamine nanoparticles doped in liquid crystal elastomers for producing dynamic 3D structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6740-6746. | 10.3 | 98 |
| 10 | Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17474-17479. | 13.8 | 90 |
| 11 | Durable liquid-crystalline vitrimer actuators. <i>Chemical Science</i> , 2019, 10, 3025-3030. | 7.4 | 82 |
| 12 | Double-Cable Conjugated Polymers with Pendant Rylene Diimides for Single-Component Organic Solar Cells. <i>Accounts of Chemical Research</i> , 2021, 54, 2227-2237. | 15.6 | 67 |
| 13 | Photo-responsive liquid crystalline vitrimer containing oligoanilines. <i>Chinese Chemical Letters</i> , 2017, 28, 2139-2142. | 9.0 | 34 |
| 14 | Synthesis of amphiphilic fluorescent polymers via a one-pot combination of multicomponent Hantzsch reaction and RAFT polymerization and their cell imaging applications. <i>Polymer Chemistry</i> , 2017, 8, 4805-4810. | 3.9 | 33 |
| 15 | Mechanical Robust Flexible Single-Component Organic Solar Cells. <i>Small Methods</i> , 2021, 5, e2100481. | 8.6 | 33 |
| 16 | Ultrathin Flexible Transparent Composite Electrode via Semi-embedding Silver Nanowires in a Colorless Polyimide for High-Performance Ultraflexible Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 5699-5708. | 8.0 | 32 |
| 17 | Harnessing the Day-Night Rhythm of Humidity and Sunlight into Mechanical Work Using Recyclable and Reprogrammable Soft Actuators. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29290-29297. | 8.0 | 28 |
| 18 | Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie</i> , 2019, 131, 17635-17640. | 2.0 | 23 |

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|----|---|-----|-----------|
| 19 | Insulating Polymers as Additives to Bulk Heterojunction Organic Solar Cells: The Effect of Miscibility. <i>ChemPhysChem</i> , 2022, 23, . | 2.1 | 20 |
| 20 | Biocompatible fluorescent organic nanoparticles derived from glucose and polyethylenimine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 747-752. | 5.0 | 18 |
| 21 | Reprogrammable 3D Liquid Crystalline Actuators with Precisely Controllable Stepwise Actuation. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000249. | 6.1 | 18 |
| 22 | Miscibility-Controlled Mechanical and Photovoltaic Properties in Double-Cable Conjugated Polymer/Insulating Polymer Composites. <i>Macromolecules</i> , 2022, 55, 322-330. | 4.8 | 16 |
| 23 | A magnetic solder for assembling bulk covalent adaptable network blocks. <i>Chemical Science</i> , 2020, 11, 7694-7700. | 7.4 | 15 |
| 24 | Liquid Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie</i> , 2020, 132, 4808-4814. | 2.0 | 14 |
| 25 | Double-Cable Conjugated Polymers with Rigid Phenyl Linkers for Single-Component Organic Solar Cells. <i>Macromolecules</i> , 2022, 55, 2517-2523. | 4.8 | 11 |
| 26 | Near-Infrared Nonfullerene Acceptors Based on 4-Hydroxycyclopenta[1,2-b:5,4-b']dithiophene for Organic Solar Cells and Organic Field-Effect Transistors. <i>Chemistry - an Asian Journal</i> , 2021, 16, 4171-4178. | 3.3 | 9 |
| 27 | Effects of alkyl side chains of double-cable conjugated polymers on the photovoltaic performance of single-component organic solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16240-16246. | 5.5 | 6 |
| 28 | Reprocessable Thermosets: Synthesis and Characterization of Vitrimer in the Undergraduate Lab Course. <i>Journal of Chemical Education</i> , 2021, 98, 1429-1435. | 2.3 | 6 |
| 29 | Incorporating semiflexible linkers into double-cable conjugated polymers via a click reaction. <i>Polymer Chemistry</i> , 2021, 12, 6865-6872. | 3.9 | 3 |