

Gehong Su

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,333
citations

567144

15
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713332

21
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21
all docs

21
docs citations

21
times ranked

1297
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft yet Tough: a Mechanically and Functionally Tissue-like Organohydrogel for Sensitive Soft Electronics. <i>Chemistry of Materials</i> , 2022, 34, 1392-1402.	3.2	50
2	Rational Construction of a Ni/CoMoO ₄ Heterostructure with Strong Ni–O–Co Bonds for Improving Multifunctional Nanozyme Activity. <i>ACS Nano</i> , 2022, 16, 4536-4550.	7.3	55
3	Synthesis of pH-switchable Pt/Co ₃ O ₄ nanoflowers: Catalytic mechanism, four-enzyme activity and smartphone biosensing applications. <i>Chemical Engineering Journal</i> , 2022, 437, 134414.	6.6	24
4	Robust, Healable, Self-Locomotive Integrated Robots Enabled by Noncovalent Assembled Gradient Nanostructure. <i>Nano Letters</i> , 2022, 22, 5409-5419.	4.5	53
5	Balancing the mechanical, electronic, and self-healing properties in conductive self-healing hydrogel for wearable sensor applications. <i>Materials Horizons</i> , 2021, 8, 1795-1804.	6.4	176
6	Ultra-Stretchable and Self-Healing Anti-Freezing Strain Sensors Based on Hydrophobic Associated Polyacrylic Acid Hydrogels. <i>Materials</i> , 2021, 14, 6165.	1.3	4
7	Human-tissue-inspired anti-fatigue-fracture hydrogel for a sensitive wide-range human–machine interface. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2074-2082.	5.2	94
8	Locally Controllable Surface Foaming of Polymers Induced by Graphene via Near-Infrared Pulsed Laser. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2498-2511.	3.2	19
9	Ultraprobust Ti ₃ C ₂ MXene-Based Soft Actuators via Bamboo-Inspired Mesoscale Assembly of Hybrid Nanostructures. <i>ACS Nano</i> , 2020, 14, 7055-7065.	7.3	199
10	Hierarchically Structured Self-Healing Actuators with Superfast Light- and Magnetic-Response. <i>Advanced Functional Materials</i> , 2019, 29, 1906198.	7.8	129
11	Arbitrarily 3D Configurable Hygroscopic Robots with a Covalent–Noncovalent Interpenetrating Network and Self-Healing Ability. <i>Advanced Materials</i> , 2019, 31, e1900042.	11.1	136
12	Preparation and Characterization of Temperature-Sensitive Poly(Styrene- <i>b</i> -Butadiene- <i>b</i> -Styrene)/Poly(N-Isopropylacrylamide) Hydrogel Elastomer with Interpenetrating Polymeric Networks. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800783.	1.7	5
13	Hierarchically Structured Self-Healing Sensors with Tunable Positive/Negative Piezoresistivity. <i>Advanced Functional Materials</i> , 2018, 28, 1706658.	7.8	181
14	Online tracking of the thermal reduction of graphene oxide by two-dimensional correlation infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2018, 96, 32-45.	1.2	16
15	Difference in the micro-dynamics mechanism between aromatic nylon and aliphatic nylon during water absorption: spectroscopic evidence. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26764-26776.	1.3	12
16	Exploration of the unusual two-step volume phase transition of the poly(N-vinylcaprolactam-co-2-hydroxyethyl methacrylate) hydrogel. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23013-23024.	1.3	10
17	Micro-dynamics mechanism of the phase transition behavior of poly(N-isopropylacrylamide-co-2-hydroxyethyl methacrylate) hydrogels revealed by two-dimensional correlation spectroscopy. <i>Polymer Chemistry</i> , 2017, 8, 865-878.	1.9	34
18	Two-step volume phase transition mechanism of poly(N-vinylcaprolactam) hydrogel online-tracked by two-dimensional correlation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27221-27232.	1.3	34

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19	Understanding the crystallization behavior of polyamide 6/polyamide 66 alloys from the perspective of hydrogen bonds: projection moving-window 2D correlation FTIR spectroscopy and the enthalpy. RSC Advances, 2016, 6, 87405-87415.	1.7	65
20	Microdynamics mechanism of D ₂ O absorption of the poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (m spectroscopy. Soft Matter, 2016, 12, 1145-1157.	1.2	27
21	Two-dimensional correlation infrared spectroscopy reveals the detailed molecular movements during the crystallization of poly(ethylene-co-vinyl alcohol). RSC Advances, 2015, 5, 84729-84745.	1.7	10