

Gehong Su

List of Publications by Year in descending order

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21
papers

1,333
citations

567281

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713466

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docs citations

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times ranked

1297
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrarobust Ti ₃ C ₂ MXene-Based Soft Actuators via Bamboo-Inspired Mesoscale Assembly of Hybrid Nanostructures. ACS Nano, 2020, 14, 7055-7065.	14.6	199
2	Hierarchically Structured Self-Healing Sensors with Tunable Positive/Negative Piezoresistivity. Advanced Functional Materials, 2018, 28, 1706658.	14.9	181
3	Balancing the mechanical, electronic, and self-healing properties in conductive self-healing hydrogel for wearable sensor applications. Materials Horizons, 2021, 8, 1795-1804.	12.2	176
4	Arbitrarily 3D Configurable Hygroscopic Robots with a Covalent-Noncovalent Interpenetrating Network and Self-Healing Ability. Advanced Materials, 2019, 31, e1900042.	21.0	136
5	Hierarchically Structured Self-Healing Actuators with Superfast Light and Magnetic Response. Advanced Functional Materials, 2019, 29, 1906198.	14.9	129
6	Human-tissue-inspired anti-fatigue-fracture hydrogel for a sensitive wide-range human-machine interface. Journal of Materials Chemistry A, 2020, 8, 2074-2082.	10.3	94
7	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.	3.6	65
8	Rational Construction of a Ni/CoMoO ₄ Heterostructure with Strong Ni-O-Co Bonds for Improving Multifunctional Nanozyme Activity. ACS Nano, 2022, 16, 4536-4550.	14.6	55
9	Robust, Healable, Self-Locomotive Integrated Robots Enabled by Noncovalent Assembled Gradient Nanostructure. Nano Letters, 2022, 22, 5409-5419.	9.1	53
10	Soft yet Tough: a Mechanically and Functionally Tissue-like Organohydrogel for Sensitive Soft Electronics. Chemistry of Materials, 2022, 34, 1392-1402.	6.7	50
11	Micro-dynamics mechanism of the phase transition behavior of poly(N-isopropylacrylamide-co-2-hydroxyethyl methacrylate) hydrogels revealed by two-dimensional correlation spectroscopy. Polymer Chemistry, 2017, 8, 865-878.	3.9	34
12	Two-step volume phase transition mechanism of poly(N-vinylcaprolactam) hydrogel online-tracked by two-dimensional correlation spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 27221-27232.	2.8	34
13	Microdynamics mechanism of D ₂ O absorption of the poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 spectroscopy. Soft Matter, 2016, 12, 1145-1157.	2.7	27
14	Synthesis of pH-switchable Pt/Co ₃ O ₄ nanoflowers: Catalytic mechanism, four-enzyme activity and smartphone biosensing applications. Chemical Engineering Journal, 2022, 437, 134414.	12.7	24
15	Locally Controllable Surface Foaming of Polymers Induced by Graphene via Near-Infrared Pulsed Laser. ACS Sustainable Chemistry and Engineering, 2020, 8, 2498-2511.	6.7	19
16	Online tracking of the thermal reduction of graphene oxide by two-dimensional correlation infrared spectroscopy. Vibrational Spectroscopy, 2018, 96, 32-45.	2.2	16
17	Difference in the micro-dynamics mechanism between aromatic nylon and aliphatic nylon during water absorption: spectroscopic evidence. Physical Chemistry Chemical Physics, 2018, 20, 26764-26776.	2.8	12
18	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.	3.6	10

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19	Exploration of the unusual two-step volume phase transition of the poly(<i>N</i> -vinylcaprolactam- <i>co</i> -hydroxyethyl methacrylate) hydrogel. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 23013-23024.	2.8	10
20	Preparation and Characterization of Temperature-sensitive Poly(<i>Styrene-<i>co</i>-Butadiene-<i>co</i>-Styrene</i>)/Poly(<i>N</i> -isopropylacrylamide) Hydrogel Elastomer with Interpenetrating Polymeric Networks. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800783.	3.6	5
21	Ultra-Stretchable and Self-Healing Anti-Freezing Strain Sensors Based on Hydrophobic Associated Polyacrylic Acid Hydrogels. <i>Materials</i> , 2021, 14, 6165.	2.9	4