Yongfeng Gao

List of Publications by Year
in descending order

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20	1,467	471061 17	752256 20
papers	citations	h-index	g-index

20	20	20	2568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stimuli-responsive polymers and their applications. Polymer Chemistry, 2017, 8, 127-143.	1.9	916
2	Stimuli-responsive microgel-based etalons for optical sensing. RSC Advances, 2015, 5, 44074-44087.	1.7	57
3	Stimuli-responsive polymers: Fundamental considerations and applications. Macromolecular Research, 2017, 25, 513-527.	1.0	55
4	Controlled Drug Release from the Aggregationâ€“Disaggregation Behavior of pH-Responsive Microgels. ACS Applied Materials & Interfaces, 2014, 6, 13749-13756.	4.0	52
5	Controlled and Triggered Small Molecule Release from a Confined Polymer Film. ACS Applied Materials & Interfaces, 2013, 5, 9803-9808.	4.0	45
6	Polymer-Based Technologies for Sensing Applications. Analytical Chemistry, 2018, 90, 459-479.	3.2	39
7	CO2-switchable poly (N-isopropylacrylamide) microgel-based etalons. Journal of Materials Chemistry C, 2015, 3, 495-498.	2.7	33
8	Supramolecular Microgels Fabricated from Supramonomers. ACS Macro Letters, 2016, 5, 1084-1088.	2.3	33
9	Light-Induced Color Changes of Microgel-Based Etalons. ACS Applied Materials & Interfaces, 2014, 6, 8461-8466.	4.0	30
10	Responsive Polymerâ€Based Assemblies for Sensing Applications. Macromolecular Rapid Communications, 2015, 36, 1382-1392.	2.0	29
11	Electrochemically color tunable poly(N-isopropylacrylamide) microgel-based etalons. Journal of Materials Chemistry C, 2014, 2, 3873-3878.	2.7	24
12	Hydrogen-Bonding-Driven Multifunctional Polymer Hydrogel Networks Based on Tannic Acid. ACS Applied Polymer Materials, 2022, 4, 1836-1845.	2.0	24
13	Electrically Triggered Small Molecule Release from Poly(N-Isopropylacrylamide-co-Acrylic Acid) Microgel-Modified Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 13124-13129.	4.0	22
14	Free-standing poly (N-isopropylacrylamide) microgel-based etalons. Journal of Materials Chemistry C, 2014, 2, 5878-5884.	2.7	21
15	Stimuli-Responsive Assemblies for Sensing Applications. Gels, 2016, 2, 8.	2.1	21
16	Sequential and controlled release of small molecules from poly(N-isopropylacrylamide) microgel-based reservoir devices. Journal of Materials Chemistry B, 2016, 4, 5144-5150.	2.9	21
17	Stimuli-responsive polymeric materials for human health applications. Science Bulletin, 2014, 59, 4237-4255.	1.7	17
18	Microgel-Based Stretchable Reservoir Devices for Elongation Enhanced Small Molecule Release Rate. ACS Applied Materials & Interfaces, 2020, 12, 19062-19068.	4.0	17

#	Article	IF	Citations
19	Triggered Small-Molecule Release from Dual-Stimuli Responsive Microgels. ACS Applied Polymer Materials, 2021, 3, 410-417.	2.0	9
20	Enhancing the Sensitivity of Surface Plasmon Resonance Measurements Utilizing Polymer Film/Au Assemblies. Analytical Chemistry, 2021, 93, 16718-16726.	3.2	2