Andrew N Keith

List of Publications by Year
in descending order

16 papers	800 citations	759055 12 h-index	940416 16 g-index
16 all docs	16 docs citations	16 times ranked	1127 citing authors

#	Article	IF	Citations
1	Chameleon-like elastomers with molecularly encoded strain-adaptive stiffening and coloration. Science, 2018, 359, 1509-1513.	6.0	345
2	Drug Combination Synergy in Worm-like Polymeric Micelles Improves Treatment Outcome for Small Cell and Non-Small Cell Lung Cancer. ACS Nano, 2018, 12, 2426-2439.	7.3	132
3	Bottlebrush Bridge between Soft Gels and Firm Tissues. ACS Central Science, 2020, 6, 413-419.	5.3	56
4	Injectable bottlebrush hydrogels with tissue-mimetic mechanical properties. Science Advances, 2022, 8, eabm2469.	4.7	53
5	Strained Bottlebrushes in Super-Soft Physical Networks. ACS Macro Letters, 2019, 8, 530-534.	2.3	32
6	Injectable non-leaching tissue-mimetic bottlebrush elastomers as an advanced platform for reconstructive surgery. Nature Communications, 2021, 12, 3961.	5.8	32
7	Benefits of Catalyzed Radical Termination: High-Yield Synthesis of Polyacrylate Molecular Bottlebrushes without Gelation. Macromolecules, 2018, 51, 6218-6225.	2.2	24
8	To Mimic Mechanical Properties of the Skin by Inducing Oriented Nanofiber Microstructures in Bottlebrush Cellulose-graft-diblock Copolymer Elastomers. ACS Applied Materials & Interfaces, 2021, 13, 3278-3286.	4.0	24
9	Understanding the Synthesis of Linearâ€“Bottlebrushâ€“Linear Block Copolymers: Toward Plastomers with Well-Defined Mechanical Properties. Macromolecules, 2020, 53, 8324-8332.	2.2	19
10	Tissue-Mimetic Dielectric Actuators: Free-Standing, Stable, and Solvent-Free. ACS Applied Polymer Materials, 2020, 2, 1741-1745.	2.0	19
11	Degradable celluloseâ€based polymer brushes with controlled grafting densities. Journal of Polymer Science Part A, 2019, 57, 2426-2435.	2.5	16
12	Independently Tuning Elastomer Softness and Firmness by Incorporating Side Chain Mixtures into Bottlebrush Network Strands. Macromolecules, 2020, 53, 9306-9312.	2.2	15
13	Investigating the Stressâ€“Strain Behavior in Ring-Opening Metathesis Polymerization-Based Brush Elastomers. Macromolecules, 2021, 54, 8365-8371.	2.2	12
14	Mechanically Diverse Gels with Equal Solvent Content. ACS Central Science, 2022, 8, 845-852.	5.3	10
15	Regulating Tissue-Mimetic Mechanical Properties of Bottlebrush Elastomers by Magnetic Field. ACS Applied Materials & Interfaces, 2021, 13, 38783-38791.	4.0	6
16	Chemistry and Properties of Cross-Linked All-Aromatic Hyperbranched Polyaryletherketones. Macromolecules, 2022, 55, 100-112.	2.2	5