

Transient assembly of active materials fueled by a chem

Science

349, 1075-1079

DOI: [10.1126/science.aac6103](https://doi.org/10.1126/science.aac6103)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Supramolecular Hydrogelators and Hydrogels: From Soft Matter to Molecular Biomaterials. <i>Chemical Reviews</i> , 2015, 115, 13165-13307.	23.0	1,497
2	Self-healing microtubules. <i>Nature Materials</i> , 2015, 14, 1080-1081.	13.3	9
3	Stability and its manifestation in the chemical and biological worlds. <i>Chemical Communications</i> , 2015, 51, 16160-16165.	2.2	51
4	Fueling connections between chemistry and biology. <i>Science</i> , 2015, 349, 1056-1057.	6.0	16
5	Synergistic Assembly of Covalent and Supramolecular Polymers. <i>Macromolecular Rapid Communications</i> , 2016, 37, 920-923.	2.0	4
6	The nanotechnology of life-inspired systems. <i>Nature Nanotechnology</i> , 2016, 11, 585-592.	15.6	348
7	Synthetic Self-Assembled Materials in Biological Environments. <i>Advanced Materials</i> , 2016, 28, 4576-4592.	11.1	68
8	Temporal Control of Gelation and Polymerization Fronts Driven by an Autocatalytic Enzyme Reaction. <i>Angewandte Chemie</i> , 2016, 128, 2167-2171.	1.6	33
9	Reaction-diffusion processes at the nano- and microscales. <i>Nature Nanotechnology</i> , 2016, 11, 312-319.	15.6	192
10	Enzymatic induction of supramolecular order and bioactivity. <i>Nanoscale</i> , 2016, 8, 10768-10773.	2.8	16
11	Temporal Control of Gelation and Polymerization Fronts Driven by an Autocatalytic Enzyme Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2127-2131.	7.2	112
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16	Physical Organic Chemistry and the Origin of Life Problem: A Personal Perspective. <i>Israel Journal of Chemistry</i> , 2016, 56, 83-88.	1.0	3
17	Controlling the width of nanosheets by peptide length in peptoid-peptide biohybrid hydrogels. <i>RSC Advances</i> , 2016, 6, 67025-67028.	1.7	7
18	Engineering responsive supramolecular biomaterials: Toward smart therapeutics. <i>Bioengineering and Translational Medicine</i> , 2016, 1, 252-266.	3.9	48

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20	A Compartmentalized Out-of-Equilibrium Enzymatic Reaction Network for Sustained Autonomous Movement. <i>ACS Central Science</i> , 2016, 2, 843-849.	5.3	133
21	Mimosa Origami: A nanostructure-enabled directional self-organization regime of materials. <i>Science Advances</i> , 2016, 2, e1600417.	4.7	108
22	Hydrazone Switch-Based Negative Feedback Loop. <i>Journal of the American Chemical Society</i> , 2016, 138, 15142-15145.	6.6	77
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27	Polymer Interfaces: Synthetic Strategies Enabling Functionality, Adaptivity, and Spatial Control. <i>Macromolecules</i> , 2016, 49, 5001-5016.	2.2	25
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29	Sucrose-fueled, energy dissipative, transient formation of molecular hydrogels mediated by yeast activity. <i>Chemical Communications</i> , 2016, 52, 5398-5401.	2.2	56
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33	D-amino acid-containing supramolecular nanofibers for potential cancer therapeutics. <i>Advanced Drug Delivery Reviews</i> , 2017, 110-111, 102-111.	6.6	74
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40	Spatiotemporal Control of Supramolecular Self-Assembly and Function. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10012-10018.	4.0	51
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42	Preprogramming Complex Hydrogel Responses using Enzymatic Reaction Networks. <i>Angewandte Chemie</i> , 2017, 129, 1820-1824.	1.6	13
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47	Biocatalytic Self-Assembly Cascades. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6828-6832.	7.2	65
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53	Dynamic Self-Assembly of Magnetic/Polymer Composites in Rotating Frames of Reference. <i>Advanced Materials</i> , 2017, 29, 1700614.	11.1	14
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56	Solvent-Regulated Self-Assembly of an Achiral Donor-Acceptor Complex in Confined Chiral Nanotubes: Chirality Transfer, Inversion and Amplification. <i>Chemistry - A European Journal</i> , 2017, 23, 8225-8231.	1.7	32
57	Non-equilibrium supramolecular polymerization. <i>Chemical Society Reviews</i> , 2017, 46, 5476-5490.	18.7	429
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66	An Experimental Framework for Generating Evolvable Chemical Systems in the Laboratory. <i>Origins of Life and Evolution of Biospheres</i> , 2017, 47, 481-497.	0.8	21
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87	Self-Regulated and Temporal Control of a "Breathing" Microgel Mediated by Enzymatic Reaction. <i>Angewandte Chemie</i> , 2017, 129, 12755-12759.	1.6	22
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122	Dissipative disassembly of colloidal microgel crystals driven by a coupled cyclic reaction network. <i>Soft Matter</i> , 2018, 14, 910-915.	1.2	27
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133	Construction of Porous Organic Nanostructures Using Cooperative Self-Assembly for Lipase-Catalyzed Inclusion of Gastrodigenin. <i>ACS Applied Nano Materials</i> , 2018, 1, 175-182.	2.4	7
134	Stochastic pumping of non-equilibrium steady-states: how molecules adapt to a fluctuating environment. <i>Chemical Communications</i> , 2018, 54, 427-444.	2.2	39
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