Joanna BurdyÅ„ska

List of Publications by Year
in descending order

14 papers	1,129 citations	687363 13 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	1571 citing authors

#	Article	IF	Citations
1	Solvent-free, supersoft and superelastic bottlebrush melts and networks. Nature Materials, 2016, 15, 183-189.	27.5	428
2	Bioinspired Bottle-Brush Polymer Exhibits Low Friction and Amontons-like Behavior. Journal of the American Chemical Society, 2014, 136, 6199-6202.	13.7	234
3	How Far Can We Push Polymer Architectures?. Journal of the American Chemical Society, 2013, 135, 11421-11424.	13.7	89
4	Star Synthesis Using Macroinitiators via Electrochemically Mediated Atom Transfer Radical Polymerization. Macromolecules, 2013, 46, 5856-5860.	4.8	65
5	Wear Protection without Surface Modification Using a Synergistic Mixture of Molecular Brushes and Linear Polymers. ACS Nano, 2017, 11, 1762-1769.	14.6	58
6	Active Ligand for Low PPM Miniemulsion Atom Transfer Radical Polymerization. Macromolecules, 2012, 45, 7356-7363.	4.8	39
7	Synthesis and Arm Dissociation in Molecular Stars with a Spoked Wheel Core and Bottlebrush Arms. Journal of the American Chemical Society, 2014, 136, 12762-12770.	13.7	39
8	Bottlebrush-Guided Polymer Crystallization Resulting in Supersoft and Reversibly Moldable Physical Networks. Macromolecules, 2017, 50, 2103-2111.	4.8	38
9	Synthesis of High Molecular Weight Polymethacrylates with Polyhedral Oligomeric Silsesquioxane Moieties by Atom Transfer Radical Polymerization. ACS Macro Letters, 2014, 3, 799-802.	4.8	34
10	Molecular Bottlebrushes with Bimodal Length Distribution of Side Chains. Macromolecules, 2015, 48, 4813-4822.	4.8	31
11	Activators Regenerated by Electron Transfer Atom Transfer Radical Polymerization in Miniemulsion with 50 ppm of Copper Catalyst. ACS Macro Letters, 2013, 2, 822-825.	4.8	28
12	Sonication-induced scission of molecular bottlebrushes: Implications of the â€œhairyâ€•architecture. Polymer, 2016, 84, 178-184.	3.8	28
13	Shifting Electronic Structure by Inherent Tension in Molecular Bottlebrushes with Polythiophene Backbones. ACS Macro Letters, 2014, 3, 738-742.	4.8	16
14	New Methodology for the Differentiation of the Primary Hydroxyl Groups in 2,3,3â€²,4,4â€²-Penta-O-Benzylsucrose: Convenient Approach to Sucrose Monophosphines. Journal of Carbohydrate Chemistry, 2010, 29, 403-415.	1.1	2