

Melissa P Aplan

List of Publications by Year in descending order

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papers

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840776

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532
citing authors

#	ARTICLE	IF	CITATIONS
1	Class Transition Temperature of Conjugated Polymers by Oscillatory Shear Rheometry. <i>Macromolecules</i> , 2017, 50, 5146-5154.	4.8	78
2	Recent Developments in Chain-Growth Polymerizations of Conjugated Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7888-7901.	3.7	34
3	Molecular Rectification in Conjugated Block Copolymer Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6978-6988.	3.1	32
4	Local Chain Alignment via Nematic Ordering Reduces Chain Entanglement in Conjugated Polymers. <i>Macromolecules</i> , 2018, 51, 10271-10284.	4.8	24
5	Enhancing Optoelectronic Properties of Conjugated Block Copolymers through Crystallization of Both Blocks. <i>Macromolecules</i> , 2020, 53, 1967-1976.	4.8	24
6	Tuning the synthesis of fully conjugated block copolymers to minimize architectural heterogeneity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20412-20421.	10.3	19
7	Polarized Soft X-ray Scattering Reveals Chain Orientation within Nanoscale Polymer Domains. <i>Macromolecules</i> , 2019, 52, 2803-2813.	4.8	17
8	Conjugated Block Copolymers as Model Systems to Examine Mechanisms of Charge Generation in Donor-Acceptor Materials. <i>Advanced Functional Materials</i> , 2019, 29, 1804858.	14.9	17
9	Predicting the Plateau Modulus from Molecular Parameters of Conjugated Polymers. <i>ACS Central Science</i> , 2022, 8, 268-274.	11.3	17
10	Random Copolymers Allow Control of Crystallization and Microphase Separation in Fully Conjugated Block Copolymers. <i>Macromolecules</i> , 2018, 51, 8844-8852.	4.8	15
11	Revealing the Importance of Energetic and Entropic Contributions to the Driving Force for Charge Photogeneration. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39933-39941.	8.0	12
12	Push-pull architecture eliminates chain length effects on exciton dissociation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22758-22767.	10.3	5