

Emily M Wilts

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Comparison of Linear and 4-Arm Star Poly(vinyl pyrrolidone) for Aqueous Binder Jetting Additive Manufacturing of Personalized Dosage Tablets. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23938-23947.	8.0	51
2	Addressing water scarcity: cationic polyelectrolytes in water treatment and purification. <i>Polymer International</i> , 2018, 67, 799-814.	3.1	47
3	Vat photopolymerization of charged monomers: 3D printing with supramolecular interactions. <i>Polymer Chemistry</i> , 2019, 10, 1442-1451.	3.9	46
4	Vat photopolymerization of liquid, biodegradable PLGA-based oligomers as tissue scaffolds. <i>European Polymer Journal</i> , 2020, 130, 109693.	5.4	22
5	Sugar-Derived Poly(β -thioester)s as a Biomedical Scaffold. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800177.	2.2	16
6	Tuning the material properties of a water-soluble ionic polymer using different counterions for material extrusion additive manufacturing. <i>Polymer</i> , 2019, 176, 283-292.	3.8	16
7	Using fillers to tune material properties of an ion-containing semi-crystalline poly(ethylene glycol) for fused filament fabrication additive manufacturing. <i>Additive Manufacturing</i> , 2021, 39, 101844.	3.0	11
8	Sustainable additive manufacturing: predicting binder jettability of water-soluble, biodegradable and recyclable polymers. <i>Polymer International</i> , 2021, 70, 958-963.	3.1	10
9	Thiol-ene addition enables tailored synthesis of poly(2-oxazoline)-graft-poly(vinyl pyrrolidone) copolymers for binder jetting 3D printing. <i>Polymer International</i> , 2020, 69, 902-911.	3.1	7
10	Characterization and structure-property relationships of an injectable thiol-Michael addition hydrogel toward compatibility with glioblastoma therapy. <i>Acta Biomaterialia</i> , 2022, 144, 266-278.	8.3	5