Rudy J Wojtecki

List of Publications by Year
in descending order

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25 papers	2,227 citations	516710 16 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	3534 citing authors

#	Article	IF	Citations
1	Area-Selective Deposition of Tantalum Nitride with Polymerizable Monolayers: From Liquid to Vapor Phase Inhibitors. Chemistry of Materials, 2022, 34, 2919-2930.	6.7	6
2	Additive Lithographyâ€“Organic Monolayer Patterning Coupled with an Area-Selective Deposition. ACS Applied Materials & Interfaces, 2021, 13, 9081-9090.	8.0	12
3	Surface Initiated Polymer Thin Films for the Area Selective Deposition and Etching of Metal Oxides. ACS Nano, 2020, 14, 4276-4288.	14.6	25
4	Internal plasticization of poly(vinyl) chloride using glutamic acid as a branched linker to incorporate four plasticizers per anchor point. Journal of Polymer Science Part A, 2019, 57, 1821-1835.	2.3	10
5	Extending the compositional diversity of films in area selective atomic layer deposition through chemical functionalities. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	7
6	(Invited) Selective Area Growth of Deactivating Polymers. ECS Meeting Abstracts, 2019, , .	0.0	0
7	Nonmigratory internal plasticization of poly(vinyl chloride) via pendant triazoles bearing alkyl or polyether esters. Journal of Polymer Science Part A, 2018, 56, 2397-2411.	2.3	23
8	Reactive Monolayers in Directed Additive Manufacturing - Area Selective Atomic Layer Deposition. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 431-436.	0.3	2
9	Fifteen Nanometer Resolved Patterns in Selective Area Atomic Layer Depositionâ€”Defectivity Reduction by Monolayer Design. ACS Applied Materials & Interfaces, 2018, 10, 38630-38637.	8.0	40
10	Self-Assembled, Biodegradable Magnetic Resonance Imaging Agents: Organic Radical-Functionalized Diblock Copolymers. ACS Macro Letters, 2017, 6, 176-180.	4.8	35
11	Poly[n]catenanes: Synthesis of molecular interlocked chains. Science, 2017, 358, 1434-1439.	12.6	196
12	Tailorable Thermal Properties Through Reactive Blending Using Orthogonal Chemistries and Layerâ€byâ€Layer Deposition of Poly(1,3,5â€hexahydroâ€1,3,5â€triazine) Networks. Advanced Functional Materials, 2016, 26, 5560-5568.	14.9	7
13	Small changes with big effects: Tuning polymer properties with supramolecular interactions. Journal of Polymer Science Part A, 2016, 54, 457-472.	2.3	32
14	Facile carbohydrate-mimetic modifications of poly(ethylene imine) carriers for gene delivery applications. Polymer Chemistry, 2016, 7, 5862-5872.	3.9	9
15	Computational and experimental investigations of one-step conversion of poly(carbonate)s into value-added poly(aryl ether sulfone)s. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7722-7726.	7.1	62
16	Development of polycarbonate-containing block copolymers for thin film self-assembly applications. Polymer Chemistry, 2016, 7, 940-950.	3.9	24
17	Development of a method for detecting trace metals in aqueous solutions based on the coordination chemistry of hexahydrotriazines. Analyst, The, 2015, 140, 5184-5189.	3.5	6
18	Supramolecular motifs in dynamic covalent PEG-hemiaminal organogels. Nature Communications, 2015, 6, 7417.	12.8	53

#	Article	IF	Citations
19	Developments in Dynamic Covalent Chemistries from the Reaction of Thiols with Hexahydrotriazines. Journal of the American Chemical Society, 2015, 137, 14248-14251.	13.7	28
20	Enhancing the Biocompatibility and Biodegradability of Linear Poly(ethylene imine) through Controlled Oxidation. Macromolecules, 2015, 48, 7420-7427.	4.8	21
21	Dual-Responsive Hydrogels for Direct-Write 3D Printing. Macromolecules, 2015, 48, 6482-6488.	4.8	147
22	Optimizing the formation of 2,6-bis(N-alkyl-benzimidazolyl)pyridine-containing [3]catenates through component design. Chemical Science, 2013, 4, 4440.	7.4	19
23	Metallo-Responsive Liquid Crystalline Monomers and Polymers. Chemistry of Materials, 2011, 23, 3525-3533.	6.7	39
24	Using the dynamic bond to access macroscopically responsive structurally dynamic polymers. Nature Materials, 2011, 10, 14-27.	27.5	1,394
25	Improved synthesis of functionalized mesogenic 2,6-bisbenzimidazolylpyridine ligands. Tetrahedron, 2008, 64, 8488-8495.	1.9	30