

Rudy J Wojtecki

List of Publications by Year in descending order

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Version: 2024-02-01

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	Using the dynamic bond to access macroscopically responsive structurally dynamic polymers. <i>Nature Materials</i> , 2011, 10, 14-27.	27.5	1,394
2	Poly[<i>n</i>]catenanes: Synthesis of molecular interlocked chains. <i>Science</i> , 2017, 358, 1434-1439.	12.6	196
3	Dual-Responsive Hydrogels for Direct-Write 3D Printing. <i>Macromolecules</i> , 2015, 48, 6482-6488.	4.8	147
4	Computational and experimental investigations of one-step conversion of poly(carbonate)s into value-added poly(aryl ether sulfone)s. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7722-7726.	7.1	62
5	Supramolecular motifs in dynamic covalent PEG-hemiaminal organogels. <i>Nature Communications</i> , 2015, 6, 7417.	12.8	53
6	Fifteen Nanometer Resolved Patterns in Selective Area Atomic Layer Deposition—Defectivity Reduction by Monolayer Design. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38630-38637.	8.0	40
7	Metallo-Responsive Liquid Crystalline Monomers and Polymers. <i>Chemistry of Materials</i> , 2011, 23, 3525-3533.	6.7	39
8	Self-Assembled, Biodegradable Magnetic Resonance Imaging Agents: Organic Radical-Functionalized Diblock Copolymers. <i>ACS Macro Letters</i> , 2017, 6, 176-180.	4.8	35
9	Small changes with big effects: Tuning polymer properties with supramolecular interactions. <i>Journal of Polymer Science Part A</i> , 2016, 54, 457-472.	2.3	32
10	Improved synthesis of functionalized mesogenic 2,6-bisbenzimidazolylpyridine ligands. <i>Tetrahedron</i> , 2008, 64, 8488-8495.	1.9	30
11	Developments in Dynamic Covalent Chemistries from the Reaction of Thiols with Hexahydrotriazines. <i>Journal of the American Chemical Society</i> , 2015, 137, 14248-14251.	13.7	28
12	Surface Initiated Polymer Thin Films for the Area Selective Deposition and Etching of Metal Oxides. <i>ACS Nano</i> , 2020, 14, 4276-4288.	14.6	25
13	Development of polycarbonate-containing block copolymers for thin film self-assembly applications. <i>Polymer Chemistry</i> , 2016, 7, 940-950.	3.9	24
14	Nonmigratory internal plasticization of poly(vinyl chloride) via pendant triazoles bearing alkyl or polyether esters. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2397-2411.	2.3	23
15	Enhancing the Biocompatibility and Biodegradability of Linear Poly(ethylene imine) through Controlled Oxidation. <i>Macromolecules</i> , 2015, 48, 7420-7427.	4.8	21
16	Optimizing the formation of 2,6-bis(N-alkyl-benzimidazolyl)pyridine-containing [3]catenates through component design. <i>Chemical Science</i> , 2013, 4, 4440.	7.4	19
17	Additive Lithography—Organic Monolayer Patterning Coupled with an Area-Selective Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9081-9090.	8.0	12
18	Internal plasticization of poly(vinyl chloride) using glutamic acid as a branched linker to incorporate four plasticizers per anchor point. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1821-1835.	2.3	10

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19	Facile carbohydrate-mimetic modifications of poly(ethylene imine) carriers for gene delivery applications. <i>Polymer Chemistry</i> , 2016, 7, 5862-5872.	3.9	9
20	Tailorable Thermal Properties Through Reactive Blending Using Orthogonal Chemistries and Layer-by-Layer Deposition of Poly(1,3,5-hexahydro-1,3,5-triazine) Networks. <i>Advanced Functional Materials</i> , 2016, 26, 5560-5568.	4.9	7
21	Extending the compositional diversity of films in area selective atomic layer deposition through chemical functionalities. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, .	2.1	7
22	Development of a method for detecting trace metals in aqueous solutions based on the coordination chemistry of hexahydrotriazines. <i>Analyst</i> , The, 2015, 140, 5184-5189.	3.5	6
23	Area-Selective Deposition of Tantalum Nitride with Polymerizable Monolayers: From Liquid to Vapor Phase Inhibitors. <i>Chemistry of Materials</i> , 2022, 34, 2919-2930.	6.7	6
24	Reactive Monolayers in Directed Additive Manufacturing - Area Selective Atomic Layer Deposition. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 431-436.	0.3	2
25	(Invited) Selective Area Growth of Deactivating Polymers. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0