

# Malte Winnacker

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,229  
citations

394390

19  
h-index

414395

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereoregular Polymerization of Acyclic Terpenes. ChemPlusChem, 2022, 87, .	2.8	15
2	Biobased Polyamides: Academic and Industrial Aspects for Their Development and Applications. Advances in Polymer Science, 2022, , 327-395.	0.8	1
3	[OSSO]-type Chromium(III) Complexes for the reaction of CO <sub>2</sub> with epoxides. ChemPlusChem, 2022, , e202200038.	2.8	3
4	(+)-Limonene-ε-Lactam: Synthesis of a Sustainable Monomer for Ring-Opening Polymerization to Novel, Biobased Polyamides. Macromolecular Rapid Communications, 2022, 43, e2200185.	3.9	8
5	The Terpenes Limonene, Pinene(s), and Related Compounds: Advances in Their Utilization for Sustainable Polymers and Materials. Advances in Polymer Science, 2022, , 35-64.	0.8	2
6	Sustainable Myrcene-Based Elastomers via a Convenient Anionic Polymerization. Polymers, 2021, 13, 838.	4.5	24
7	<i>l</i> -Pinene-Derived Polyesteramides and Their Blends: Advances in Their Upscaling, Processing, and Characterization. Macromolecular Rapid Communications, 2021, 42, e2100065.	3.9	6
8	Einblick: Polymere und Nachhaltigkeit. Nachrichten Aus Der Chemie, 2020, 68, 67-69.	0.0	2
9	Sustainable Polyesteramides and Copolyamides: Insights into the Copolymerization Behavior of Terpene-Based Lactams. Macromolecular Chemistry and Physics, 2020, 221, 2000110.	2.2	16
10	Biobased chiral semi-crystalline or amorphous high-performance polyamides and their scalable stereoselective synthesis. Nature Communications, 2020, 11, 509.	12.8	47
11	Polyhydroxyalkanoates: Recent Advances in Their Synthesis and Applications. European Journal of Lipid Science and Technology, 2019, 121, 1900101.	1.5	71
12	New Bio-Polyamides from Terpenes: <i>l</i> -Pinene and (+)- <i>β</i> -Carene as Valuable Resources for Lactam Production. Macromolecular Rapid Communications, 2019, 40, e1800903.	3.9	28
13	Polyamide/PEG Blends as Biocompatible Biomaterials for the Convenient Regulation of Cell Adhesion and Growth. Macromolecular Rapid Communications, 2019, 40, e1900091.	3.9	33
14	Sustainable terpene-based polyamides <i>via</i> anionic polymerization of a pinene-derived lactam. Chemical Communications, 2018, 54, 841-844.	4.1	49
15	Superhydrophobic Silicon Nanocrystal-Silica Aerogel Hybrid Materials: Synthesis, Properties, and Sensing Application. Langmuir, 2018, 34, 4888-4896.	3.5	23
16	Pinene: reichlich vorhandene und erneuerbare Bausteine für eine Vielzahl an nachhaltigen Polymeren. Angewandte Chemie, 2018, 130, 14560-14569.	2.0	10
17	Pinenes: Abundant and Renewable Building Blocks for a Variety of Sustainable Polymers. Angewandte Chemie - International Edition, 2018, 57, 14362-14371.	13.8	96
18	Sustainable, Stereoregular, and Optically Active Polyamides via Cationic Polymerization of <i>μ</i> -Lactams Derived from the Terpene <i>l</i> <sup>2</sup> -Pinene. Macromolecular Rapid Communications, 2017, 38, 1600787.	3.9	35

#	ARTICLE	IF	CITATIONS
19	Polyamides and their functionalization: recent concepts for their applications as biomaterials. <i>Biomaterials Science</i> , 2017, 5, 1230-1235.	5.4	70
20	In situ IR-spectroscopy as a tool for monitoring the radical hydrosilylation process on silicon nanocrystal surfaces. <i>Nanoscale</i> , 2017, 9, 8489-8495.	5.6	7
21	Covalent polyester-biomolecule conjugates: advances in their synthesis and applications in biomedicine and nanotechnology. <i>Polymer International</i> , 2017, 66, 1747-1755.	3.1	7
22	Recent advances in the synthesis of functional materials by engineered and recombinant living cells. <i>Soft Matter</i> , 2017, 13, 6672-6677.	2.7	7
23	Copolymers of polyhydroxyalkanoates and polyethylene glycols: recent advancements with biological and medical significance. <i>Polymer International</i> , 2017, 66, 497-503.	3.1	23
24	Sustainable Chiral Polyamides with High Melting Temperature via Enhanced Anionic Polymerization of a Menthone-Derived Lactam. <i>Macromolecular Rapid Communications</i> , 2016, 37, 851-857.	3.9	39
25	Biobased Polyamides: Recent Advances in Basic and Applied Research. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1391-1413.	3.9	193
26	Poly(ester amide)s: recent insights into synthesis, stability and biomedical applications. <i>Polymer Chemistry</i> , 2016, 7, 7039-7046.	3.9	102
27	New Insights into the Ring-Opening Polymerization of $\epsilon$ -Butyrolactone Catalyzed by Chromium(III) Salphen Complexes. <i>ChemCatChem</i> , 2015, 7, 3963-3971.	3.7	34
28	Recent Progress in Sustainable Polymers Obtained from Cyclic Terpenes: Synthesis, Properties, and Application Potential. <i>ChemSusChem</i> , 2015, 8, 2455-2471.	6.8	138
29	New insights into synthesis and oligomerization of $\mu$ -lactams derived from the terpenoid ketone ( $\alpha^*$ )-menthone. <i>RSC Advances</i> , 2015, 5, 77699-77705.	3.6	25
30	Synthesis of Novel Sustainable Oligoamides Via Ring-Opening Polymerization of Lactams Based on ( $\alpha^*$ )-Menthone. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1654-1660.	2.2	39
31	Artificial Genetic Sets Composed of Size-Expanded Base Pairs. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12498-12508.	13.8	57