

# Malte Winnacker

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,229  
citations

394421  
19  
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414414  
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34  
all docs

34  
docs citations

34  
times ranked

1383  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biobased Polyamides: Recent Advances in Basic and Applied Research. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1391-1413.	3.9	193
2	Recent Progress in Sustainable Polymers Obtained from Cyclic Terpenes: Synthesis, Properties, and Application Potential. <i>ChemSusChem</i> , 2015, 8, 2455-2471.	6.8	138
3	Poly(ester amide)s: recent insights into synthesis, stability and biomedical applications. <i>Polymer Chemistry</i> , 2016, 7, 7039-7046.	3.9	102
4	Pinenes: Abundant and Renewable Building Blocks for a Variety of Sustainable Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14362-14371.	13.8	96
5	Polyhydroxyalkanoates: Recent Advances in Their Synthesis and Applications. <i>European Journal of Lipid Science and Technology</i> , 2019, 121, 1900101.	1.5	71
6	Polyamides and their functionalization: recent concepts for their applications as biomaterials. <i>Biomaterials Science</i> , 2017, 5, 1230-1235.	5.4	70
7	Artificial Genetic Sets Composed of Size-Expanded Base Pairs. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12498-12508.	13.8	57
8	Sustainable terpene-based polyamides via anionic polymerization of a pinene-derived lactam. <i>Chemical Communications</i> , 2018, 54, 841-844.	4.1	49
9	Biobased chiral semi-crystalline or amorphous high-performance polyamides and their scalable stereoselective synthesis. <i>Nature Communications</i> , 2020, 11, 509.	12.8	47
10	Synthesis of Novel Sustainable Oligoamides Via Ring-Opening Polymerization of Lactams Based on (âˆ“)â€Menthone. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1654-1660.	2.2	39
11	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
12	Sustainable, Stereoregular, and Optically Active Polyamides via Cationic Polymerization of Îµ-Lactams Derived from the Terpene Î²-Pinene. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600787.	3.9	35
13	New Insights into the Ring-Opening Polymerization of Î²-Butyrolactone Catalyzed by Chromium(III) Salphen Complexes. <i>ChemCatChem</i> , 2015, 7, 3963-3971.	3.7	34
14	Polyamide/PEG Blends as Biocompatible Biomaterials for the Convenient Regulation of Cell Adhesion and Growth. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900091.	3.9	33
15	New Bio-Polyamides from Terpenes: Î±-Pinene and (+)-3-Carene as Valuable Resources for Lactam Production. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800903.	3.9	28
16	New insights into synthesis and oligomerization of Îµ-lactams derived from the terpenoid ketone (âˆ“)â€menthone. <i>RSC Advances</i> , 2015, 5, 77699-77705.	3.6	25
17	Sustainable Myrcene-Based Elastomers via a Convenient Anionic Polymerization. <i>Polymers</i> , 2021, 13, 838.	4.5	24
18	Copolymers of polyhydroxyalkanoates and polyethylene glycols: recent advancements with biological and medical significance. <i>Polymer International</i> , 2017, 66, 497-503.	3.1	23

#	ARTICLE	IF	CITATIONS
19	Superhydrophobic Silicon Nanocrystalâ€“Silica Aerogel Hybrid Materials: Synthesis, Properties, and Sensing Application. Langmuir, 2018, 34, 4888-4896.	3.5	23
20	Sustainable Polyesteramides and Copolyamides: Insights into the Copolymerization Behavior of Terpeneâ€“Based Lactams. Macromolecular Chemistry and Physics, 2020, 221, 2000110.	2.2	16
21	Stereoregular Polymerization of Acyclic Terpenes. ChemPlusChem, 2022, 87, .	2.8	15
22	Pinene: reichlich vorhandene und erneuerbare Bausteine f��r eine Vielzahl an nachhaltigen Polymeren. Angewandte Chemie, 2018, 130, 14560-14569.	2.0	10
23	(+)-Limoneneâ€“Lactam: Synthesis of a Sustainable Monomer for Ringâ€“Opening Polymerization to Novel, Biobased Polyamides. Macromolecular Rapid Communications, 2022, 43, e2200185.	3.9	8
24	In situ IR-spectroscopy as a tool for monitoring the radical hydrosilylation process on silicon nanocrystal surfaces. Nanoscale, 2017, 9, 8489-8495.	5.6	7
25	Covalent polyester-biomolecule conjugates: advances in their synthesis and applications in biomedicine and nanotechnology. Polymer International, 2017, 66, 1747-1755.	3.1	7
26	Recent advances in the synthesis of functional materials by engineered and recombinant living cells. Soft Matter, 2017, 13, 6672-6677.	2.7	7
27	Pineneâ€“Derived Polyesteramides and Their Blends: Advances in Their Upscaling, Processing, and Characterization. Macromolecular Rapid Communications, 2021, 42, e2100065.	3.9	6
28	[OSSO]-Type Chromium(III) Complexes for the reaction of CO2 with epoxides. ChemPlusChem, 2022, , e202200038.	2.8	3
29	Einblick: Polymere und Nachhaltigkeit. Nachrichten Aus Der Chemie, 2020, 68, 67-69.	0.0	2
30	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
31	Biobased Polyamides: Academic and Industrial Aspects for Their Development and Applications. Advances in Polymer Science, 2022, , 327-395.	0.8	1