

Philip Hodge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7188329/publications.pdf>

Version: 2024-02-01

44
papers

1,244
citations

331538

21
h-index

360920

35
g-index

45
all docs

45
docs citations

45
times ranked

1301
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropically Driven Ring-Opening Polymerization of Strainless Organic Macrocycles. <i>Chemical Reviews</i> , 2014, 114, 2278-2312.	23.0	134
2	Synthesis of Organic Compounds Using Polymer-Supported Reagents, Catalysts, and/or Scavengers in Benchtop Flow Systems. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 8542-8553.	1.8	81
3	Organic synthesis using polymer-supported reagents, catalysts and scavengers in simple laboratory flow systems. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 362-373.	2.8	80
4	Entropically Driven Ring-Opening-Metathesis Polymerization of Macrocyclic Olefins with 21-84 Ring Atoms. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2412-2414.	7.2	76
5	Polymer science branches out. <i>Nature</i> , 1993, 362, 18-19.	13.7	72
6	Experimental evidence for carbonyl- π electron cloud interactions. <i>New Journal of Chemistry</i> , 2006, 30, 1801-1807.	1.4	70
7	New low molar mass organosiloxanes with unusual ferroelectric properties. <i>Liquid Crystals</i> , 1993, 15, 739-744.	0.9	63
8	Recent work on entropically-driven ring-opening polymerizations: some potential applications. <i>Polymers for Advanced Technologies</i> , 2005, 16, 84-94.	1.6	60
9	A brief guide to polymer nomenclature (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2012, 84, 2167-2169.	0.9	48
10	Cyclo-depolymerisation of poly(ethylene naphthalene-2,6-dicarboxylate) and ring-opening polymerisations of the cyclic oligomers obtained. <i>Journal of Materials Chemistry</i> , 2000, 10, 1533-1537.	6.7	38
11	Synthesis of a Catechol-Based Poly(ether ether ketone) ($\alpha\omega$ -PEEK) by Classical Step-Growth Polymerization and by Entropically Driven Ring-Opening Polymerization of Macrocyclic Oligomers. <i>Macromolecules</i> , 2006, 39, 6467-6472.	2.2	36
12	A novel NMR method for screening soluble compound libraries. <i>Chemical Communications</i> , 2001, , 239-240.	2.2	35
13	Cyclic oligomers of poly(ether ketone) (PEK): synthesis, extraction from polymer, fractionation, and characterisation of the cyclic trimer, tetramer and pentamer. <i>Journal of Materials Chemistry</i> , 2000, 10, 2011-2016.	6.7	29
14	2,6-Diaryl-9,10-anthraquinones as models for electron-accepting polymers. <i>New Journal of Chemistry</i> , 2007, 31, 1585.	1.4	29
15	Ring-Chain Interconversion in High-Performance Polymer Systems. 3. Cyclodepolymerization of Poly(m-phenylene isophthalamide) (Nomex) and Entropically Driven Ring-Opening Polymerization of the Macrocyclic Oligomers so Produced. <i>Macromolecules</i> , 2005, 38, 722-729.	2.2	27
16	Entropically-driven ring-opening polymerization of macrocyclic esters with up to 84-membered rings catalysed by polymer-supported <i>Candida antarctica</i> lipase B. <i>Polymer Chemistry</i> , 2010, 1, 339-346.	1.9	27
17	A new series of low molar mass ferroelectric organosiloxanes with unusual electro-optic properties. <i>Ferroelectrics</i> , 1993, 148, 379-387.	0.3	26
18	Cyclo-depolymerization of poly(propylene terephthalate): some ring-opening polymerizations of the cyclic oligomers produced. <i>Polymers for Advanced Technologies</i> , 2003, 14, 492-501.	1.6	26

#	ARTICLE	IF	CITATIONS
19	Preparation of nanocomposites by reversible addition-fragmentation chain transfer polymerization from the surface of quantum dots in miniemulsion. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5367-5377.	2.5	25
20	A new method for the polymer-supported synthesis of cyclic oligoesters for potential applications in macrocyclic lactone synthesis and combinatorial chemistry. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 629-637.	1.3	22
21	Synthesis of electron-accepting polymers containing phenanthra-9,10-quinone units. <i>Journal of Materials Chemistry</i> , 2009, 19, 4148.	6.7	21
22	Macrocyclic oligomers of the aromatic polyetherketone α -PK99 synthesis, fractionation, structural characterisation and ring-opening polymerisation. <i>Journal of Materials Chemistry</i> , 2000, 10, 309-314.	6.7	19
23	Polymers containing in-chain quinone moieties: synthesis and properties. <i>Polymer International</i> , 2009, 58, 261-266.	1.6	19
24	Synthesis of ω -End Group Functionalized Poly(methyl methacrylate)s via RAFT Polymerization. <i>Macromolecules</i> , 2010, 43, 7453-7464.	2.2	19
25	A Novel Approach to Processing High-Performance Polymers that Exploits Entropically Driven Ring-Opening Polymerization. <i>Macromolecular Rapid Communications</i> , 2005, 26, 1377-1382.	2.0	15
26	Spontaneous Ring-Opening Polymerization of Macrocyclic Aromatic Thioether Ketones under Transient High-Temperature Conditions. <i>Macromolecular Rapid Communications</i> , 2004, 25, 808-811.	2.0	14
27	Microfabrication of high-performance aromatic polymers as nanotubes or fibrils by in situ ring-opening polymerisation of macrocyclic precursors. <i>Journal of Materials Chemistry</i> , 2003, 13, 1504-1506.	6.7	13
28	A High-Throughput Method for Determining the Stability of Pigment Dispersions. <i>Macromolecular Rapid Communications</i> , 2006, 27, 835-840.	2.0	13
29	Recycling of condensation polymers via ring-chain equilibria. <i>Polymers for Advanced Technologies</i> , 2015, 26, 797-803.	1.6	13
30	An Introduction to Entropically-Driven Ring-Opening Polymerizations. <i>Macromolecular Symposia</i> , 2010, 297, 6-17.	0.4	12
31	A Possible Means to Assist the Processing of PET, PTT and PBT. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 374-380.	1.7	11
32	Syntheses of random PET- <i>co</i> -PTTs and some related copolyesters by entropically-driven ring-opening polymerizations and by melt blending: Thermal properties and crystallinity. <i>Journal of Polymer Science Part A</i> , 2011, 49, 995-1005.	2.5	11
33	Nomenclature and terminology for linear lactic acid-based polymers (IUPAC Recommendations 2019). <i>Pure and Applied Chemistry</i> , 2020, 92, 193-211.	0.9	11
34	Photochemical transformations of chromophoric methacrylates under the influence of light and laser radiation. <i>Journal of Materials Chemistry</i> , 2002, 12, 449-454.	6.7	10
35	A novel tin-based imidazolium-modified montmorillonite catalyst for the preparation of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Over RSC Advances, 2015, 5, 6222-6231.	1.7	7
36	The use of polymer-supported <i>Candida antarctica</i> lipase B to achieve the entropically-driven ring-opening polymerization of macrocyclic bile acid derivatives via transesterification: selectivity of the reactions and the structures of the polymers produced. <i>RSC Advances</i> , 2015, 5, 93057-93066.	1.7	6

#	ARTICLE	IF	CITATIONS
37	A concise guide to polymer nomenclature for authors of papers and reports in polymer science and technology (IUPAC Technical Report). Pure and Applied Chemistry, 2020, 92, 797-813.	0.9	6
38	Synthesis of isopropyl-substituted anthraquinones via Friedel-Crafts acylations: migration of isopropyl groups. Royal Society Open Science, 2017, 4, 170451.	1.1	5
39	A Grazing Incidence X-ray Diffraction Study of Langmuir-Blodgett Films of Poly(vinylpyridine) Quaternized with n-Docosyl Bromide. Langmuir, 1998, 14, 5896-5899.	1.6	4
40	Synthesis of 2,2'-biphenol- and 1,1'-bi(2-naphthol)-based poly(ether sulfones) and copolymers by classical step-growth polymerization and by entropically-driven ring-opening polymerization of macrocyclic oligomers. Polymers for Advanced Technologies, 2006, 17, 682-690.	1.6	4
41	Facile attachment of functional moieties to crosslinked polystyrene beads via robust linkages: Suzuki reactions using polymer-supported boronic acids. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 3403-3408.	1.3	2
42	High-throughput screening of polymeric dispersants to accelerate the development of stable pigment dispersions. Journal of Materials Chemistry, 2008, 18, 182-189.	6.7	2
43	Introduction of Stilbene Derivatives and Cinnamate Ester Derivatives at the ω -End Groups of Poly(Methyl Methacrylate) Prepared via RAFT Polymerization. Polymers, 2020, 12, 2449.	2.0	2
44	Toward the synthesis of strongly photoluminescing polyesters by entropically driven ring-opening polymerizations. Polymers for Advanced Technologies, 2008, 19, 569-577.	1.6	1