

Franz Stelzer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12056252/publications.pdf>

Version: 2024-02-01

67
papers

1,957
citations

236925

25
h-index

265206

42
g-index

68
all docs

68
docs citations

68
times ranked

1976
citing authors

#	ARTICLE	IF	CITATIONS
1	Archaeal Production of Polyhydroxyalkanoate (PHA) Co- and Terpolyesters from Biodiesel Industry-Derived By-Products. <i>Archaea</i> , 2013, 2013, 1-10.	2.3	140
2	Thermally Switchable Olefin Metathesis Initiators Bearing Chelating Carbenes: Influence of the Chelate's Ring Size. <i>Organometallics</i> , 2005, 24, 2255-2258.	2.3	112
3	"Second Generation" Ruthenium Carbene Complexes with a cis-Dichloro Arrangement. <i>Organometallics</i> , 2004, 23, 3622-3626.	2.3	102
4	One Decade of Microwave-Assisted Polymerizations: Quo vadis?. <i>Macromolecular Rapid Communications</i> , 2011, 32, 254-288.	3.9	90
5	Alternating Diene Metathesis Polycondensation (ALTMET) – A Versatile Tool for the Preparation of Perfectly Alternating AB Copolymers. <i>Macromolecular Rapid Communications</i> , 2003, 24, 636-641.	3.9	86
6	Ring opening metathesis polymerisation in donor solvents. <i>Chemical Communications</i> , 2002, , 2572-2573.	4.1	79
7	Organoboron Quinolinolates with Extended Conjugated Chromophores: Synthesis, Structure, and Electronic and Electroluminescent Properties. <i>Chemistry of Materials</i> , 2006, 18, 3539-3547.	6.7	72
8	The Resting State Makes the Difference: The Influence of the Anchor Group in the ROMP of Norbornene Derivatives. <i>Macromolecular Rapid Communications</i> , 2004, 25, 475-480.	3.9	70
9	Precise Tuning of Micelle, Core, and Shell Size by the Composition of Amphiphilic Block Copolymers Derived from ROMP Investigated by DLS and SAXS. <i>Macromolecules</i> , 2006, 39, 5865-5874.	4.8	66
10	Ruthenium quinoline and quinoxaline complexes: Thermally triggered initiators for ring opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3494-3500.	2.3	64
11	Side chain liquid crystal polymers of 2,3-disubstituted norbornenes via ring-opening metathesis polymerization, 1 influence of flexible spacer length $m = 2$ to 12 on the thermotropic behaviour. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 3623-3641.	2.2	62
12	Characterization of polyhydroxyalkanoates produced by <i>Synechocystis salina</i> from digestate supernatant. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 497-504.	7.5	54
13	Liquid Crystalline Polymers by Metathesis Polymerization. <i>Advances in Polymer Science</i> , 0, , 43-87.	0.8	52
14	Benchmarking of ruthenium initiators for the ROMP of a norbornenedicarboxylic acid ester. <i>Journal of Molecular Catalysis A</i> , 2003, 200, 11-19.	4.8	48
15	Highly Defined ABC Triblock Copolymers and Copolymers Prepared by ROMP Using an N-Heterocyclic-Carbene-Substituted Ruthenium Benzylidene Initiator. <i>Macromolecular Rapid Communications</i> , 2003, 24, 435-439.	3.9	43
16	Effect of Compatibilizing Agent on the Properties of Highly Crystalline Composites Based on Poly(lactic acid) and Wood Flour and/or Mica. <i>Journal of Polymers and the Environment</i> , 2011, 19, 372-381.	5.0	40
17	Highly luminescent poly[(<i>m</i> -phenylenevinylene)-co-(<i>p</i> -phenylenevinylene)] derivatives synthesized via metathesis condensation (ADMET). <i>Journal of Molecular Catalysis A</i> , 2000, 160, 71-84.	4.8	35
18	Ruthenium-initiated ROMP of nitrile monomers. <i>Inorganica Chimica Acta</i> , 2003, 345, 363-366.	2.4	33

#	ARTICLE	IF	CITATIONS
19	UV-induced crosslinking of ring opening metathesis block copolymer micelles. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2402-2413.	2.3	30
20	Poly(2-oxazoline)-derived Contact Biocides: Contributions to the Understanding of Antimicrobial Activity. <i>Macromolecular Bioscience</i> , 2013, 13, 116-125.	4.1	30
21	Side-chain liquid crystal polymers of 2,3-disubstituted norbornenes via ring-opening metathesis polymerization, 2. Methoxybiphenyl as mesogenic group, influence of flexible spacer length $m = 4$ to 10 on the thermotropic behaviour. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 2343-2357.	2.2	29
22	Preparation of poly(fluorene)s using trans-bis(dicyclohexylamine)palladium diacetate as a catalyst: Scope and limitations. <i>Journal of Polymer Science Part A</i> , 2006, 44, 2130-2138.	2.3	29
23	Xanthene dye functionalized norbornenes for the use in ring opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 1336-1348.	2.3	29
24	New features of ROMP by heterogenization of molybdenum carbene complexes. <i>Journal of Molecular Catalysis A</i> , 1998, 133, 151-158.	4.8	27
25	Block Copolymers via ROMP - Awakening the Sleeping Beauty. <i>Macromolecular Symposia</i> , 2004, 217, 231-246.	0.7	26
26	Ring opening metathesis polymerisation initiated by RuCl ₂ (3-bromopyridine) ₂ (H ₂ IMes)(CHPh). <i>Journal of Molecular Catalysis A</i> , 2006, 257, 53-58.	4.8	26
27	Ring-opening metathesis polymerization of the bis(methyl carbonate) and bis(S-methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Macromolecules</i> , 1994, 27, 3769-3772.	4.8	25
28	Novel fluorinated π -conjugated oligomers as electron transport materials in organic light emitting diodes. <i>Optical Materials</i> , 1998, 9, 159-162.	3.6	24
29	Influence of Initiator and Monomer Structure on the Polymerization of Acetylene Monomers Using Schrock-Type Molybdenum Carbenes. <i>Macromolecules</i> , 1999, 32, 21-26.	4.8	24
30	Contact bactericides and fungicides on the basis of amino-functionalized poly(norbornene)s. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4504-4514.	2.3	24
31	Molecular fluorescent pH-probes based on 8-hydroxyquinoline. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1503.	2.8	22
32	Enzymes as Biodevelopers for Nano- And Micropatterned Bicomponent Biopolymer Thin Films. <i>Biomacromolecules</i> , 2016, 17, 3743-3749.	5.4	21
33	A novel side-chain liquid crystal polymer of 5-substituted cis-cyclooctene via ring-opening metathesis polymerization. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1417-1425.	2.2	20
34	On the β relaxation of the constrained amorphous phase in poly(ethylene). <i>European Polymer Journal</i> , 2003, 39, 2051-2058.	5.4	20
35	Nonspecific protein adsorption on cationically modified Lyocell fibers monitored by zeta potential measurements. <i>Carbohydrate Polymers</i> , 2017, 164, 49-56.	10.2	20
36	Ring opening metathesis polymerization of methyl-N-(1-phenylethyl)-2-azabicyclo[2.2.1]hept-5-ene-3-carboxylate. <i>Journal of Molecular Catalysis A</i> , 1997, 115, 11-20.	4.8	19

#	ARTICLE	IF	CITATIONS
37	Side chain liquid crystal polymers of 2,3-disubstituted norbornenes via ring-opening metathesis polymerisation, 3. Influence of backbone microstructure and grafting ratio on the thermotropic behaviour. <i>Macromolecular Chemistry and Physics</i> , 1997, 198, 1391-1410.	2.2	19
38	UV-induced crosslinking of the biopolyester poly(3-hydroxybutyrate)-co-(3-hydroxyvalerate). <i>Green Chemistry</i> , 2010, 12, 1796.	9.0	19
39	Blue Light Emission from a Fluorene-Carbazole-Fluorene Trimer Incorporated as the Side Chain into a Polynorbornene. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 523-529.	2.2	17
40	Microphase Separation Study of Amphiphilic ROMP Block Copolymers by SAXS and TEM. <i>Macromolecules</i> , 2007, 40, 4592-4600.	4.8	15
41	Synthesis and optical properties of highly fluorescent meta-para oligo-phenylenevinyls. <i>Synthetic Metals</i> , 1999, 105, 129-133.	3.9	14
42	Ring-opening metathesis polymerization of 11-alkylidenebenzonorbornadienes. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 2699-2707.	2.2	13
43	Optically active polymers via ring-opening metathesis polymerization: 2. Polymerization of enantiomerically pure (Δ)-endo-2-norbornenyl acetate. <i>Journal of Molecular Catalysis</i> , 1994, 90, 53-60.	1.2	12
44	The synthesis and properties of triethyleneoxy-methylether and crown-ether functionalized metathesis polymers. <i>Journal of Molecular Catalysis A</i> , 2000, 160, 63-69.	4.8	12
45	Blue-Green Light Emitting Poly(phenylenevinylene) Derivatives as Candidates for Polymer LEDs: Synthesis and Characterization. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 1840-1850.	2.2	12
46	Main-Chain Liquid Crystalline Polymers Based on Bis-Etherified 9,9-Dihexyl-2,7-bis(4-hydroxy-1,1'-biphen-4-yl)fluorenes. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1458-1468.	2.2	12
47	Photoinduced Changes of the Refractive Index in Substituted Fluorenyl-p-phenylene Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 779-786.	2.2	11
48	Structural relaxation and morphology of the rubber-urethane composites. <i>Journal of Applied Polymer Science</i> , 2004, 94, 1186-1193.	2.6	11
49	Relationship between Filler Loading and Morphology of the Interphase in Polyethylene-Chalk Composites. <i>Polymers and Polymer Composites</i> , 2004, 12, 409-416.	1.9	10
50	Surface modification of propene/1,7-octadiene copolymer by metathesis reactions. <i>Journal of Molecular Catalysis A</i> , 2000, 160, 53-61.	4.8	9
51	Halogenation of Ru(COD)(8-quinolinolate) ₂ and Ru(COD)(5-formyl-8-quinolinolate) ₂ . <i>Inorganica Chimica Acta</i> , 2005, 358, 2718-2724.	2.4	8
52	Photosensitive polynorbornene containing the benzyl thiocyanate group—Synthesis and patterning. <i>Journal of Molecular Catalysis A</i> , 2006, 254, 174-179.	4.8	8
53	Mechanical detection of ultraslow, Debye-like Li-ion motions in LiAlO ₂ single crystals. <i>Annalen Der Physik</i> , 2015, 527, 523-530.	2.4	8
54	Poly(cyclopentadienylene vinylene)s: synthesis via ROMP, chemical and physical properties. <i>Synthetic Metals</i> , 1995, 74, 99-102.	3.9	7

#	ARTICLE	IF	CITATIONS
55	Dielectric Study of Relaxation Processes of Polynorbornene Derivatives. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 105-110.	2.2	7
56	Macromolecular Anisotropic Association in Isotropic Solutions of a Liquid Crystal Side Chain Polymer. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 3174-3179.	2.2	7
57	Synthesis of a poly(2-azanorbornene) with a high degree of cis-TT-stereoregularity and a regular secondary solution structure. <i>Polymer Chemistry</i> , 2012, 3, 2760.	3.9	7
58	The π -Electron Delocalization in 2-Oxazolines Revisited: Quantification and Comparison with Its Analogue in Esters. <i>Materials</i> , 2015, 8, 5385-5397.	2.9	7
59	Modification Pathways for Copoly(2-oxazoline)s Enabling Their Application as Antireflective Coatings in Photolithography. <i>Macromolecular Rapid Communications</i> , 2016, 37, 233-238.	3.9	7
60	Trends in Ring-Opening Metathesis Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 941-952.	2.2	5
61	Chemical and Optical Properties of New Highly Luminescent Alternating Oligo- m, p-phenylenevinylenes. <i>Monatshefte für Chemie</i> , 2001, 132, 441-452.	1.8	2
62	Polymer - CuInS ₂ hybrid solar cells obtained by an in-situ formation route. , 2010, , ,		2
63	cis-Dichlorido(1,3-dimesitylimidazolidin-2-ylidene)(2-formylbenzylidene- η^5 -C ₅ H ₄ O) ruthenium diethyl ether solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m154-m155.	0.2	2
64	Chemical and Optical Properties of New Highly Luminescent Alternating Oligo-m,p-phenylenevinylenes. , 2001, , 21-32.		1
65	Side Chain Influence on Main Chain Orientation of PPV-Type Oligomers. <i>Materials Research Society Symposia Proceedings</i> , 1999, 598, 173.	0.1	0
66	Macromol. Biosci. 1/2013. <i>Macromolecular Bioscience</i> , 2013, 13, 140-140.	4.1	0
67	Macromol. Rapid Commun. 3/2016. <i>Macromolecular Rapid Communications</i> , 2016, 37, 232-232.	3.9	0