Franz Stelzer

List of Publications by Year in descending order

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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	Nonspecific protein adsorption on cationically modified Lyocell fibers monitored by zeta potential measurements. Carbohydrate Polymers, 2017, 164, 49-56.	10.2	20
2	Characterization of polyhydroxyalkanoates produced by Synechocystis salina from digestate supernatant. International Journal of Biological Macromolecules, 2017, 102, 497-504.	7.5	54
3	Enzymes as Biodevelopers for Nano- And Micropatterned Bicomponent Biopolymer Thin Films. Biomacromolecules, 2016, 17, 3743-3749.	5.4	21
4	Macromol. Rapid Commun. 3/2016. Macromolecular Rapid Communications, 2016, 37, 232-232.	3.9	0
5	Modification Pathways for Copoly(2â€oxazoline)s Enabling Their Application as Antireflective Coatings in Photolithography. Macromolecular Rapid Communications, 2016, 37, 233-238.	3.9	7
6	Mechanical detection of ultraslow, Debye-like Li-ion motions in LiAlO2 single crystals. Annalen Der Physik, 2015, 527, 523-530.	2.4	8
7	The Ï€-Electron Delocalization in 2-Oxazolines Revisited: Quantification and Comparison with Its Analogue in Esters. Materials, 2015, 8, 5385-5397.	2.9	7
8	Poly(2â€oxazoline)â€derived Contact Biocides: Contributions to the Understanding of Antimicrobial Activity. Macromolecular Bioscience, 2013, 13, 116-125.	4.1	30
9	Macromol. Biosci. 1/2013. Macromolecular Bioscience, 2013, 13, 140-140.	4.1	0
10	Archaeal Production of Polyhydroxyalkanoate (PHA) Co- and Terpolyesters from Biodiesel Industry-Derived By-Products. Archaea, 2013, 2013, 1-10.	2.3	140
11	Synthesis of a poly(2-azanorbornene) with a high degree of cis-TT-stereoregularity and a regular secondary solution structure. Polymer Chemistry, 2012, 3, 2760.	3.9	7
12	Effect of Compatibilizing Agent on the Properties of Highly Crystalline Composites Based on Poly(lactic acid) and Wood Flour and/or Mica. Journal of Polymers and the Environment, 2011, 19, 372-381.	5.0	40
13	One Decade of Microwaveâ€Assisted Polymerizations: Quo vadis?. Macromolecular Rapid Communications, 2011, 32, 254-288.	3.9	90
14	Contact bactericides and fungicides on the basis of aminoâ€functionalized poly(norbornene)s. Journal of Polymer Science Part A, 2010, 48, 4504-4514.	2.3	24
15	Polymer - CuInS<inf>2</inf> hybrid solar cells obtained by an in-situ formation route. , 2010, , .		2
16	UV-induced crosslinking of the biopolyester poly(3-hydroxybutyrate)-co-(3-hydroxyvalerate). Green Chemistry, 2010, 12, 1796.	9.0	19
17	cis-Dichlorido(1,3-dimesitylimidazolidin-2-ylidene)(2-formylbenzylidene-Î²²C,O)ruthenium diethyl ether solvate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m154-m155.	0.2	2
18	UVâ€induced crosslinking of ring opening metathesis block copolymer micelles. Journal of Polymer Science Part A, 2008, 46, 2402-2413.	2.3	30

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19	Microphase Separation Study of Amphiphilic ROMP Block Copolymers by SAXS and TEM. Macromolecules, 2007, 40, 4592-4600.	4.8	15
20	Main-Chain Liquid Crystalline Polymers Based on Bis-Etherified 9,9-Dihexyl-2,7-bis(4â€²-hydroxy-1,1â€²-biphen-4-yl)fluorenes. Macromolecular Chemistry and Physics, 2007, 208, 1458-1468.	2.2	12
21	Xanthene dye functionalized norbornenes for the use in ring opening metathesis polymerization. Journal of Polymer Science Part A, 2007, 45, 1336-1348.	2.3	29
22	Ruthenium quinoline and quinoxaline complexes: Thermally triggered initiators for ring opening metathesis polymerization. Journal of Polymer Science Part A, 2007, 45, 3494-3500.	2.3	64
23	Molecular fluorescent pH-probes based on 8-hydroxyquinoline. Organic and Biomolecular Chemistry, 2006, 4, 1503.	2.8	22
24	Precise Tuning of Micelle, Core, and Shell Size by the Composition of Amphiphilic Block Copolymers Derived from ROMP Investigated by DLS and SAXS. Macromolecules, 2006, 39, 5865-5874.	4.8	66
25	Organoboron Quinolinolates with Extended Conjugated Chromophores:â€‰ Synthesis, Structure, and Electronic and Electroluminescent Properties. Chemistry of Materials, 2006, 18, 3539-3547.	6.7	72
26	Preparation of poly(fluorene)s usingtrans-bis(dicyclohexylamine)palladium diacetate as a catalyst: Scope and limitations. Journal of Polymer Science Part A, 2006, 44, 2130-2138.	2.3	29
27	Photosensitive polynorbornene containing the benzyl thiocyanate groupâ€”Synthesis and patterning. Journal of Molecular Catalysis A, 2006, 254, 174-179.	4.8	8
28	Ring opening metathesis polymerisation initiated by RuCl2(3-bromopyridine)2(H2IMes)(CHPh). Journal of Molecular Catalysis A, 2006, 257, 53-58.	4.8	26
29	Halogenation of Ru(COD)(8-quinolinolate)2 and Ru(COD)(5-formyl-8-quinolinolate)2. Inorganica Chimica Acta, 2005, 358, 2718-2724.	2.4	8
30	Thermally Switchable Olefin Metathesis Initiators Bearing Chelating Carbenes:â€‰ Influence of the Chelate's Ring Size. Organometallics, 2005, 24, 2255-2258.	2.3	112
31	Relationship between Filler Loading and Morphology of the Interphase in Polyethylene-Chalk Composites. Polymers and Polymer Composites, 2004, 12, 409-416.	1.9	10
32	â€œSecond Generationâ€•Ruthenium Carbene Complexes with a cis-Dichloro Arrangement. Organometallics, 2004, 23, 3622-3626.	2.3	102
33	Structural relaxation and morphology of the rubber-urethane composites. Journal of Applied Polymer Science, 2004, 94, 1186-1193.	2.6	11
34	Blue Light Emission from a Fluorene-Carbazole-Fluorene Trimer Incorporated as the Side Chain into a Polynorbornene. Macromolecular Chemistry and Physics, 2004, 205, 523-529.	2.2	17
35	Blue-Green Light Emitting Poly(phenylenevinylene) Derivatives as Candidates for Polymer LEDs: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2004, 205, 1840-1850.	2.2	12
36	The Resting State Makes the Difference: The Influence of the Anchor Group in the ROMP of Norbornene Derivatives. Macromolecular Rapid Communications, 2004, 25, 475-480.	3.9	70

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37	Block Copolymers via ROMP - Awakening the Sleeping Beauty. Macromolecular Symposia, 2004, 217, 231-246.	0.7	26
38	Photoinduced Changes of the Refractive Index in Substituted Fluorenyl-p-phenylene Copolymers. Macromolecular Chemistry and Physics, 2003, 204, 779-786.	2.2	11
39	Alternating Diene Metathesis Polycondensation (ALTMET) â€“ A Versatile Tool for the Preparation of Perfectly Alternating AB Copolymers. Macromolecular Rapid Communications, 2003, 24, 636-641.	3.9	86
40	Highly Defined ABC Triblock Cooligomers and Copolymers Prepared by ROMP Using an N-Heterocyclic-Carbene-Substituted Ruthenium Benzylidene Initiator. Macromolecular Rapid Communications, 2003, 24, 435-439.	3.9	43
41	On the Î± relaxation of the constrained amorphous phase in poly(ethylene). European Polymer Journal, 2003, 39, 2051-2058.	5.4	20
42	Ruthenium-initiated ROMP of nitrile monomers. Inorganica Chimica Acta, 2003, 345, 363-366.	2.4	33
43	Benchmarking of ruthenium initiators for the ROMP of a norbornenedicarboxylic acid ester. Journal of Molecular Catalysis A, 2003, 200, 11-19.	4.8	48
44	Ring opening metathesis polymerisation in donor solvents. Chemical Communications, 2002, , 2572-2573.	4.1	79
45	Chemical and Optical Propertiesof New Highly Luminescent Alternating Oligo- m, p-phenylenevinylenes. Monatshefte FÃ¼r Chemie, 2001, 132, 441-452.	1.8	2
46	Dielectric Study of Relaxation Processes of Polynorbornene Derivatives. Macromolecular Chemistry and Physics, 2001, 202, 105-110.	2.2	7
47	Macromolecular Anisotropic Association in Isotropic Solutions of a Liquid Crystal Side Chain Polymer. Macromolecular Chemistry and Physics, 2001, 202, 3174-3179.	2.2	7
48	Chemical and Optical Properties of New Highly Luminescent Alternating Oligo-m,p-phenylenevinylenes. , 2001, , 21-32.		1
49	Surface modification of propene/1,7-octadiene copolymer by metathesis reactions. Journal of Molecular Catalysis A, 2000, 160, 53-61.	4.8	9
50	The synthesis and properties of triethyleneoxy-methylether and crown-ether functionalized metathesis polymers. Journal of Molecular Catalysis A, 2000, 160, 63-69.	4.8	12
51	Highly luminescent poly[(m-phenylenevinylene)-co-(p-phenylenevinylene)] derivatives synthesized via metathesis condensation (ADMET). Journal of Molecular Catalysis A, 2000, 160, 71-84.	4.8	35
52	Influence of Initiator and Monomer Structure on the Polymerization of Acetylene Monomers Using Schrock-Type Molybdenum Carbenes. Macromolecules, 1999, 32, 21-26.	4.8	24
53	Synthesis and optical properties of highly fluorescent metaâ€“para oligo-phenylenevinylenes. Synthetic Metals, 1999, 105, 129-133.	3.9	14
54	Side Chain Influence on Main Chain Orientation of PPV-Type Oligomers. Materials Research Society Symposia Proceedings, 1999, 598, 173.	0.1	0

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55	New features of ROMP by heterogenization of molybdenum carbene complexes. Journal of Molecular Catalysis A, 1998, 133, 151-158.	4.8	27
56	Novel fluorinated Ï€-conjugated oligomers as electron transport materials in organic light emitting diodes. Optical Materials, 1998, 9, 159-162.	3.6	24
57	Ring opening metathesis polymerization of methyl-N-(1-phenylethyl)-2-azabicyclo[2.2.1]hept-5-ene-3-carboxylate. Journal of Molecular Catalysis A, 1997, 115, 11-20.	4.8	19
58	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. Macromolecular Chemistry and Physics, 1997, 198, 1391-1410.	2.2	19
59	A novel side-chain liquid crystal polymer of 5-substituted cis-cyclooctene via ring-opening metathesis polymerization. Macromolecular Chemistry and Physics, 1997, 198, 1417-1425.	2.2	20
60	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. Macromolecular Chemistry and Physics, 1996, 197, 2343-2357.	2.2	29
61	Trends in Ring-Opening Metathesis Polymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 941-952.	2.2	5
62	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. Macromolecular Chemistry and Physics, 1995, 196, 3623-3641.	2.2	62
63	Poly(cyclopentadienylene vinylene)s: synthesis via ROMP, chemical and physical properties. Synthetic Metals, 1995, 74, 99-102.	3.9	7
64	Ring-opening metathesis polymerization of 11-alkylidenebenzonorbornadienes. Macromolecular Chemistry and Physics, 1994, 195, 2699-2707.	2.2	13
65	Optically active polymers via ring-opening metathesis polymerization: 2. Polymerization of enantiomerically pure (Â±)-endo-2-norbornenyl acetate. Journal of Molecular Catalysis, 1994, 90, 53-60.	1.2	12
66	Ring-opening metathesis polymerization of the bis(methyl carbonate) and bis(S-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (di Macromolecules, 1994, 27, 3769-3772.	4.8	25
67	Liquid Crystalline Polymers by Metathesis Polymerization. Advances in Polymer Science, 0, , 43-87.	0.8	52