Jiri Zednik

List of Publications by Year
in descending order

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63	1,097	361045	454577
papers	citations	20 h-index	30 g-index

63	63	63	1291
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of the halogenido ligands on the Kumada-coupling catalytic activity of [Ni{^tBuN(PPh₂)₂-Î²²P}X₂], X = Cl, Br, I, complexes. RSC Advances, 2022, 12, 2227-2236.	1.7	0
2	Iron (II) Metallo-Supramolecular Polymers Based on Thieno[3,2-b]thiophene for Electrochromic Applications. Polymers, 2021, 13, 362.	2.0	9
3	Resonance Raman Excitation Profiles of Fe(II)â€“Terpyridine Complexes: Electronic Effects of Ligand Modifications. Journal of Physical Chemistry B, 2021, 125, 12847-12858.	1.2	5
4	Efficient Cu2+, Pb2+ and Ni2+ ion removal from wastewater using electrospun DTPA-modified chitosan/polyethylene oxide nanofibers. Separation and Purification Technology, 2020, 247, 116914.	3.9	90
5	Polymer Labelling with a Conjugated Polymer-Based Luminescence Probe for Recycling in the Circular Economy. Polymers, 2020, 12, 1226.	2.0	6
6	Controlled Tuning of the Size of Ag-Hydrosol Nanoparticles by Nonstabilized THF and Detection of Peroxides in THF. Langmuir, 2019, 35, 9831-9840.	1.6	3
7	Effect of the configuration of poly(lactic acid) and content of poly(oxyethylene) blocks to the structure and functional properties of poly(lactic acid)â€•block â€poly(oxirane)â€based nanofibrous electrospun polyesterâ€“etherâ€“urethanes used as potential drugâ€delivery system. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 2378-2387.	1.6	3
8	Attachment of a 1,8â€Naphthalimide Moiety to a Conjugated Polythiophene Efficiently Improves the Sensing Abilities of Naphthalimideâ€Based Materials. Macromolecular Chemistry and Physics, 2019, 220, 1800436.	1.1	5
9	Combination of phosphonium and ammonium pendant groups in cationic conjugated polyelectrolytes based on regioregular poly(3-hexylthiophene) polymer chains. European Polymer Journal, 2018, 100, 200-208.	2.6	11
10	Metathesis of cardanol over ammonium tagged Hoveyda-Grubbs type catalyst supported on SBA-15. Catalysis Today, 2018, 304, 127-134.	2.2	13
11	Homoâ€•and Copolycyclotrimerization of Aromatic Internal Diynes Catalyzed with Co₂(CO)₈: A Facile Route to Microporous Photoluminescent Polyphenylenes with Hyperbranched or Crosslinked Architecture. Macromolecular Rapid Communications, 2018, 39, 1700518.	2.0	11
12	Versatile synthesis of comb-shaped poly(lactic acid) copolymers with poly(acrylic acid)-based backbones and carboxylic acid end groups. Reactive and Functional Polymers, 2017, 111, 79-87.	2.0	7
13	Unexpectedly Facile Rh(I) Catalyzed Polymerization of Ethynylbenzaldehyde Type Monomers: Synthesis of Polyacetylenes Bearing Reactive and Easy Transformable Pendant Carbaldehyde Groups. Macromolecular Rapid Communications, 2017, 38, 1600792.	2.0	5
14	Synthesis and characterization of metallo-supramolecular polymers from thiophene-based unimers bearing pybox ligands. RSC Advances, 2017, 7, 10718-10728.	1.7	5
15	Non-toxic polyester urethanes based on poly(lactic acid), poly(ethylene glycol) and lysine diisocyanate. Journal of Bioactive and Compatible Polymers, 2017, 32, 225-241.	0.8	8
16	Thermoresponsive behavior of poly(N-isopropylacrylamide)s with dodecyl and carboxyl terminal groups in aqueous solution: pH-dependent cloud point temperature. Colloid and Polymer Science, 2017, 295, 1343-1349.	1.0	16
17	Synthesis and characterization of star-shaped carboxyl group functionalized poly(lactic acid) through polycondensation reaction. Macromolecular Research, 2017, 25, 180-189.	1.0	4
18	Influence of covalent structure and molecular weight distribution on the optical properties of alternating copolymers and oligomers with 1,2,3-triazole and 1,3,4-oxadiazole side groups. Polymer, 2017, 124, 107-116.	1.8	3

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19	Ionic Ï€-Conjugated Polymer Networks by Catalyst-Free Polymerization, Photoluminescence and Gas Sorption Behavior. Macromolecular Chemistry and Physics, 2016, 217, 1886-1898.	1.1	2
20	Ï€-Conjugated Polyelectrolytes Derived from 2-Ethynylpyridine: The Effect of Quaternization Agent and Reaction Conditions on the Polymer Structure and SERS Characterization of Nanocomposites with Ag-Nanoparticles. Macromolecular Research, 2016, 24, 441-449.	1.0	11
21	Novel conjugated polyelectrolytes based on polythiophene bearing phosphonium side groups. European Polymer Journal, 2016, 83, 367-376.	2.6	12
22	Alcohol- and water-soluble bis(tpy)quaterthiophenes with phosphonium side groups: new conjugated units for metallo-supramolecular polymers. Dalton Transactions, 2016, 45, 1208-1224.	1.6	14
23	Ionic Ï€â€Conjugated Polyelectrolytes by Catalyst Free Polymerization of Bis(pyridyl)acetylenes and Bis[(pyridyl)ethynyl]benzenes. Macromolecular Chemistry and Physics, 2015, 216, 1540-1554.	1.1	4
24	Self-doping of polyaniline prepared with the FeCl₃/H₂O₂system and the origin of the Raman band of emeraldine salt at around 1375â€‰cm^{â^'1}. Polymer International, 2015, 64, 1801-1807.	1.6	19
25	Copolymerization of N -(prop-1-yne-3-yl)-4-(piperidine-1-yl)-1,8-naphthalimide with Arylacetylenes into Fluorescent Polyacetylene-Type Conjugated Polymers. Macromolecular Chemistry and Physics, 2015, 216, 2115-2128.	1.1	11
26	Aromatic Schiff Bases Multiply Substituted with Terminal Ethynyl Groups: Potential Building Blocks for Conjugated Polymers and Oligomers. Australian Journal of Chemistry, 2015, 68, 1237.	0.5	0
27	Chitosan grafted low molecular weight polylactic acid for protein encapsulation and burst effect reduction. International Journal of Pharmaceutics, 2015, 496, 912-921.	2.6	25
28	Poly(N-isopropyl acrylamide)-block-poly(n-butyl acrylate) thermoresponsive amphiphilic copolymers: Synthesis, characterization and self-assembly behavior in aqueous solutions. European Polymer Journal, 2014, 61, 124-132.	2.6	29
29	Synthesis and Photophysical Properties of New Î±,Î©-Bis(Tpy)Oligothiophenes and Their Metallo-Supramolecular Polymers With Zn²⁺Ion Couplers. Soft Materials, 2014, 12, 214-229.	0.8	17
30	Ring-opening metathesis polymerization of vinylnorbornene and following polymer modifications. Journal of Polymer Research, 2014, 21, 1.	1.2	9
31	Synthesis of poly(sebacic anhydride): effect of various catalysts on structure and thermal properties. Journal of Polymer Research, 2014, 21, 1.	1.2	4
32	Chain-Growth Insertion Polymerization of 1,3-Diethynylbenzene High Internal Phase Emulsions into Reactive Ï€-Conjugated Foams. Macromolecules, 2014, 47, 4864-4869.	2.2	39
33	Preparation and Separation of Telechelic Carboraneâ€Containing Poly(ethylene glycol)s. ChemPlusChem, 2013, 78, 528-535.	1.3	11
34	Degradation and cis-to-trans isomerization of poly[(2,4-difluorophenyl)acetylene]s of various initial molecular weight: SEC, NMR, DLS and EPR study. Polymer Degradation and Stability, 2013, 98, 1814-1826.	2.7	8
35	[Rh(cycloolefin)(acac)] complexes as catalysts of polymerization of aryl- and alkylacetylenes: Influence of cycloolefin ligand and reaction conditions. Journal of Molecular Catalysis A, 2013, 378, 57-66.	4.8	28
36	New Hyperâ€Crosslinked Partly Conjugated Networks with Tunable Composition by Spontaneous Polymerization of Ethynylpyridines with Bis(bromomethyl)arenes: Synthesis, Spectral Properties, and Activity in CO₂ Capture. Macromolecular Chemistry and Physics, 2013, 214, 2856-2866.	1.1	9

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37	Effect of Ethynyl and 2-Thienyl Substituents on the Complexation of 4â€²-Substituted 2,2â€²:6â€²,2â€³-Terpyridines with Zn2+ and Fe2+ Ions, and the Spectroscopic Properties of the Ligands and Formed Complex Species. European Journal of Inorganic Chemistry, 2012, 2012, 3866-3874.	1.0	25
38	Poly(disubstituted acetylene)s With Pendant Naphthalimideâ€Based Fluorophore Groups. Macromolecular Chemistry and Physics, 2012, 213, 411-424.	1.1	10
39	Polyacetyleneâ€Type Networks Prepared by Coordination Polymerization of Diethynylarenes: New Type of Microporous Organic Polymers. Macromolecular Rapid Communications, 2012, 33, 158-163.	2.0	33
40	Polyaniline synthesis with iron(III) chlorideâ€“hydrogen peroxide catalyst system: Reaction course and polymer structure study. Synthetic Metals, 2011, 161, 1217-1225.	2.1	48
41	Molecular weight and configurational stability of poly(phenylacetylene) prepared with Rh catalyst. Polymer Degradation and Stability, 2011, 96, 1310-1320.	2.7	13
42	Synthesis and Spectral Properties of Novel Poly(disubstituted acetylene)s. Macromolecular Chemistry and Physics, 2011, 212, 1802-1814.	1.1	19
43	SEC/DAD and‹sup›1‹/sup›H NMR Study of Molecular Weight and Configurational Stability of Poly(2,4-difluorophenylacetylene) and Polyphenylacetylene Prepared with Rh Catalyst. Macromolecular Chemistry and Physics, 2011, 212, 1987-1998.	1.1	8
44	Synthesis and photophysical properties of Î±,Ï‰-bis(terpyridine)oligothiophenes. Tetrahedron, 2011, 67, 75-79.	1.0	28
45	Synthesis and properties of cationic polyelectrolyte with regioregular polyalkylthiophene backbone and ionicâ€liquid like side groups. Journal of Polymer Science Part A, 2010, 48, 3073-3081.	2.5	42
46	Molecular weight and configurational stability of poly[(fluorophenyl)acetylene]s prepared with metathesis and insertion catalysts. Journal of Polymer Science Part A, 2010, 48, 4296-4309.	2.5	27
47	New fluoreneâ€based copolymers containing oxadiazole pendant groups: Synthesis, characterization, and polymer stability. Journal of Polymer Science Part A, 2009, 47, 4532-4546.	2.5	16
48	Stimuli-Responsive Nanoparticles Based on Interaction of Metallacarborane with Poly(ethylene oxide). Macromolecules, 2009, 42, 4829-4837.	2.2	40
49	Polymerization of aliphatic alkynes with heterogeneous Mo catalysts supported on mesoporous molecular sieves. Journal of Polymer Science Part A, 2008, 46, 2593-2599.	2.5	16
50	Polymerization of 3â€ethynylthiophene with homogeneous and heterogeneous Rh catalysts. Journal of Polymer Science Part A, 2008, 46, 2776-2787.	2.5	25
51	pH-responsive biodegradable amphiphilic networks. Polymer, 2008, 49, 697-702.	1.8	35
52	Bis(Î¼-carboxylato)dienerhodium(I) Complexes - Synthesis, Characterization and Catalytic Activity. Collection of Czechoslovak Chemical Communications, 2008, 73, 1205-1221.	1.0	6
53	Structure Dynamics and Isomerism of Bis[Î¼-(2-methylphenolato)]bis[(Î·2:Î·2-cycloocta-1,5-diene)rhodium(I)] Complex. Collection of Czechoslovak Chemical Communications, 2006, 71, 423-433.	1.0	3
54	A convenient access to thermodynamically nonstabilised spiroketal isomers: the first synthesis of (Z)-7-methyl-1,6-dioxaspiro[4.5]decane. Tetrahedron Letters, 2005, 46, 7923-7926.	0.7	5

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55	Alkynyltrifluoroborates as Versatile Tools in Organic Synthesis: A New Route to Spiroketals.. ChemInform, 2005, 36, no.	0.1	0
56	MCM-41 anchored Schrock catalyst Mo(CHCMe2Ph)(N-2,6-i-Pr2C6H3)[OCMe(CF3)2]2-activity in 1-heptene metathesis and cross-metathesis reactions. Journal of Molecular Catalysis A, 2005, 232, 53-58.	4.8	42
57	Polymerization of substituted acetylenes by various rhodium catalysts: Comparison of catalyst activity and effect of additives. Journal of Polymer Science Part A, 2005, 43, 4530-4536.	2.5	50
58	Hydroformylation of alkenes catalyzed by new dinuclear aryloxide- and carboxylate-bridged rhodium complexes. Inorganica Chimica Acta, 2004, 357, 3084-3088.	1.2	15
59	Alkynyltrifluoroborates as Versatile Tools in Organic Synthesis:â€‰ A New Route to Spiroketals. Organic Letters, 2004, 6, 4909-4911.	2.4	26
60	[Rh(cod)Cl]2 complex immobilized on mesoporous molecular sieves MCM-41-a new hybrid catalyst for polymerization of phenylacetylene. Journal of Molecular Catalysis A, 2003, 203, 287-298.	4.8	35
61	Atom Transfer Radical Polymerization of Styrene and Methyl Methacrylate Induced by RhI(cycloocta-1,5-diene) Complexes. Collection of Czechoslovak Chemical Communications, 2002, 67, 1858-1871.	1.0	19
62	Polymerization of isomeric N -(4-substituted benzylidene)-4-ethynylanilines and 4-substituted N -(4-ethynylbenzylidene)anilines by transition metal catalysts: preparation and characterization of new substituted polyacetylenes with aromatic Schiff base type pendant groups. Polymer, 2001, 42, 6709-6721.	1.8	29
63	New polyacetylenes with aromatic Schiff's base pendant groups by polymerization of benzylidene-ring-substitutedN-benzylidene-4-ethynylanilines with Rh-based catalysts. Macromolecular Chemistry and Physics, 1999, 200, 2591-2596.	1.1	26