Xiaohui He

List of Publications by Year in descending order

66 papers	1,299 citations	361045 20 h-index	395343 33 g-index
66 all docs	66 docs citations	66 times ranked	1116 citing authors

#	Article	IF	Citations
1	Nickel(II) Complexes Bearing N,O-Chelate Ligands:Â Synthesis, Solid-Structure Characterization, and Reactivity toward the Polymerization of Polar Monomer. Organometallics, 2003, 22, 4952-4957.	1.1	146
2	Atom transfer radical polymerization directly from poly(vinylidene fluoride): Surface and antifouling properties. Journal of Polymer Science Part A, 2006, 44, 3434-3443.	2.5	113
3	Nickel(II) Complexes with Three-Dimensional Geometry Î±-Diimine Ligands: Synthesis and Catalytic Activity toward Copolymerization of Norbornene. Organometallics, 2013, 32, 2291-2299.	1.1	63
4	A bioinspired strategy for surface modification of silica nanoparticles. Applied Surface Science, 2015, 357, 1996-2003.	3.1	54
5	Controlled grafting of polymer brushes on poly(vinylidene fluoride) films by surface-initiated atom transfer radical polymerization. Journal of Applied Polymer Science, 2006, 101, 3704-3712.	1.3	48
6	Marrying mussel inspired chemistry with SETâ€LRP: A novel strategy for surface functionalization of carbon nanotubes. Journal of Polymer Science Part A, 2015, 53, 1872-1879.	2.5	39
7	Free Mesogen Assisted Assembly of the Star-shaped Liquid-crystalline Copolymer/Polyethylene Oxide Solid Electrolytes for Lithium Ion Batteries. Electrochimica Acta, 2014, 118, 33-40.	2.6	35
8	Novel self-cross-linked multi-imidazolium cations long flexible side chains triblock copolymer anion exchange membrane based on ROMP-type polybenzonorbornadiene. International Journal of Hydrogen Energy, 2020, 45, 19676-19690.	3.8	31
9	Copolymerization of norbornene and 5â€norborneneâ€2â€yl acetate using novel bis(Î²â€ketonaphthylamino)Ni(II)/B(C₆F₅)₃/AlEt₃ catalytic system. Journal of Polymer Science Part A, 2009, 47, 3990-4000.	2.5	30
10	Bis-imidazolium functionalized self-crosslinking block polynorbornene anion exchange membrane. International Journal of Hydrogen Energy, 2020, 45, 13090-13100.	3.8	30
11	Highly symmetric single nickel catalysts bearing bulky bis(Î±-diimine) ligand: Synthesis, characterization, and electron-effects on copolymerization of norbornene with 1-alkene at elevated temperarure. Journal of Polymer Science Part A, 2016, 54, 3495-3505.	2.5	29
12	Alkaline anion exchange membranes with imidazolium-terminated flexible side-chain cross-linked topological structure based on ROMP-type norbornene copolymers. Polymer, 2020, 195, 122412.	1.8	28
13	Addition polymerization of norbornene using bis(Î²â€ketoamino)nickel(II)/tris(pentafluorophenyl)borane catalytic systems. Journal of Polymer Science Part A, 2007, 45, 4733-4743.	2.5	27
14	Substituent effects and activation mechanism of norbornene polymerization catalyzed by three-dimensional geometry Î±-diimine palladium complexes. Polymer Chemistry, 2014, 5, 1210-1218.	1.9	27
15	Ni(II) and Pd(II) complexes bearing novel bis(Î²â€ketoamino) ligand and their catalytic activity toward copolymerization of norbornene and 5â€norborneneâ€2â€yl acetate combined with B(C₆F₅)₃. Journal of Polymer Science Part A, 2011, 49, 3304-3313.	2.5	26
16	Copolymerization of norbornene and butyl methacrylate at elevated temperatures by a single centre nickel catalyst bearing bulky bis(Î±-diimine) ligand with strong electron-withdrawing groups. Polymer Chemistry, 2017, 8, 2390-2396.	1.9	26
17	Facile self-crosslinking to improve mechanical and durability of polynorbornene for alkaline anion exchange membranes. International Journal of Hydrogen Energy, 2020, 45, 13068-13079.	3.8	25
18	Ni(II) and Pd(II) complexes bearing benzocyclohexaneâ€“ketoarylimine for copolymerization of norbornene with 5â€norborneneâ€2â€carboxylic ester. Journal of Polymer Science Part A, 2012, 50, 4695-4704.	2.5	24

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19	Enzyme-mediated in situ formation of pH-sensitive nanogels for proteins delivery. RSC Advances, 2016, 6, 8032-8042.	1.7	24
20	Luminescent mesogen jacketed poly(1â€alkyne) bearing lateral terphenyl with hexyloxy tail. Journal of Polymer Science Part A, 2010, 48, 5679-5692.	2.5	22
21	Palladium(<scp>ii</scp>) and copper(<scp>ii</scp>) chloride complexes bearing bulky Î±-diimine ligands as catalysts for norbornene vinyl-addition (co)polymerization. RSC Advances, 2016, 6, 22908-22916.	1.7	21
22	Novel quaternary ammonium functional addition-type norbornene copolymer as hydroxide-conductive and durable anion exchange membrane for direct methanol fuel cells. RSC Advances, 2015, 5, 63215-63225.	1.7	20
23	Novel Ni and Pd(benzocyclohexanâ€ketonaphthylimino)₂ complexes for copolymerization of norbornene with octene. Journal of Applied Polymer Science, 2013, 128, 216-223.	1.3	19
24	Copolymerization of norbornene and n-butyl methacrylate catalyzed by bis-(Î²-ketoamino)nickel(II)/B(C6F5)3 catalytic system. Polymer Bulletin, 2011, 66, 1149-1161.	1.7	18
25	Stable crosslinked vinylâ€additionâ€type polynorbornene graft copolymer protonâ€exchange membranes. Journal of Applied Polymer Science, 2011, 121, 1166-1175.	1.3	18
26	Vinylic copolymerization of norbornene and higher 1-alkene with three-dimensional geometry binickel catalyst. Journal of Polymer Research, 2015, 22, 1.	1.2	18
27	Copolymerization of norbornene with methoxycarbonylnorbornene catalyzed by Ni{CF₃C(O)CHC[N(naphthyl)]CH₃}₂/B(C₆F₅)₃ catalytic system and good processability for Dry/Wet phase inversion and electrospinning technique. Journal of Polymer Science Part A, 2011, 49, 4425-4432.	2.5	16
28	Mesogen-controlled ion channel of star-shaped hard-soft block copolymers for solid-state lithium-ion battery. Journal of Polymer Science Part A, 2013, 51, 4341-4350.	2.5	16
29	Pd(II) complexes bearing diâ€•and monochelate fluorinated Î²â€ketonaphthyliminato ligand and their catalytic properties towards vinylâ€addition polymerization and copolymerization of norbornene and esterâ€functionalized norbornene derivative. Applied Organometallic Chemistry, 2014, 28, 702-711.	1.7	16
30	Preparation of a ROMP-type imidazolium-functionalized norbornene ionic liquid block copolymer and the electrochemical property for lithium-ion batteries polyelectrolyte membranes. RSC Advances, 2015, 5, 43581-43588.	1.7	16
31	Crosslinked hydroxylâ€conductive copolymer/silica composite membranes based on additionâ€type polynorbornene for alkaline anion exchange membrane fuel cell applications. Polymer Engineering and Science, 2018, 58, 13-21.	1.5	16
32	N,O-chelating bidentate Ni (II) and Pd (II) complexes for copolymerization of norbornene and norbornene ester. Journal of Organometallic Chemistry, 2014, 752, 100-108.	0.8	14
33	The preparation and application of a ROMP-type epoxy-functionalized norbornene copolymer and its hybrid alkaline anion exchange membranes. RSC Advances, 2017, 7, 55977-55985.	1.7	14
34	Nickel(II) complexes bearing the bis(Î²â€ketoamino) ligand for the copolymerization of norbornene with a higher 1â€alkene. Journal of Applied Polymer Science, 2012, 124, 1323-1332.	1.3	13
35	Polymerization of styrene using bis(Î²-ketoamino)nickel(II)/methylaluminoxane catalytic systems. Journal of Applied Polymer Science, 2007, 105, 500-509.	1.3	12
36	Preparation of Nanosilica/Polynorbornene Nanocomposite by Covalently Immobilized Silicaâ€Supported Acetylacetonate Palladium(II) Dichloride Catalyst. Macromolecular Chemistry and Physics, 2011, 212, 2378-2388.	1.1	12

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37	Synthesis of well defined Câ€“C bridged Ni(<scp>ii</scp>) complexes bearing Î²-ketoiminato-fluorene ligands by bifluorenyl in situ coupling and application for norbornene (co)polymerization. RSC Advances, 2015, 5, 61851-61860.	1.7	12
38	Synthesis of halogenated benzonorbornadiene monomer and preparation of self-crosslinking bisimidazole cationic functionalized benzonorbornadiene triblock copolymer anion exchange membrane. Polymer, 2021, 218, 123535.	1.8	12
39	Bis-(salicylaldehyde-benzhydrylimino)nickel complexes with different electron groups: crystal structure and their catalytic properties toward (co)polymerization of norbornene and 1-hexene. RSC Advances, 2018, 8, 36298-36312.	1.7	11
40	Tuning the effects of N1 substituents on the 2-methylimidazolium functionalized polynorbornene alkaline anion exchange membranes. Polymer, 2020, 206, 122883.	1.8	11
41	Preparation and performance of bisimidazole cationic crosslinked addition-type polynorbornene-based anion exchange membrane. International Journal of Hydrogen Energy, 2022, 47, 69-80.	3.8	11
42	Vinylâ€addition copolymerization of norbornene and polar norbornene derivatives using novel bis(Î²â€ketoamino)Ni(II)/B(C₆F₅)₃/AlEt₃ catalytic systems. Journal of Applied Polymer Science, 2011, 120, 2008-2016.	1.3	10
43	Crosslinked electrolytes based on poly(butoxymethylenenorbornene) for proton exchange membrane. Journal of Applied Polymer Science, 2012, 123, 3225-3233.	1.3	10
44	A highly active and thermally stable 6,13-dihydro-6,13-ethanopentacene-15,16-diimine nickel(<scp>ii</scp>) complex as catalyst for norbornene polymerization. RSC Advances, 2017, 7, 51858-51863.	1.7	10
45	Preparing polymer brushes on poly(vinylidene fluoride) films by free radical polymerization. Journal of Applied Polymer Science, 2006, 101, 857-862.	1.3	9
46	Photoluminescent, liquidâ€crystalline, and electrochemical properties of paraâ€phenyleneâ€based alternating conjugated copolymers. Journal of Polymer Science Part A, 2010, 48, 434-442.	2.5	9
47	Sulfonated copoly(norbornene)s bearing sultone pendant groups and application as proton exchange membranes candidates. Journal of Polymer Research, 2012, 19, 1.	1.2	9
48	Hybrid polyelectrolytes based on stable sulfonated polynorbornene with higher proton conductivity and lower methanol permeability. Journal of Power Sources, 2013, 242, 725-731.	4.0	8
49	Nanoporous SiLKÂ® Dielectric Films Prepared from Free-Radical Graft Polymerization and Thermolysis. Macromolecular Chemistry and Physics, 2005, 206, 2483-2489.	1.1	7
50	Vinylâ€addition type norbornene copolymers containing flexible spacers and sulfonated pendant groups for proton exchange membranes. Journal of Applied Polymer Science, 2013, 128, 3540-3547.	1.3	7
51	Norbornene/n-Butyl methacrylate copolymerization over Î±-Diimine nickel and palladium catalysts supported on multiwalled carbon nanotubes. Journal of Polymer Science Part A, 2014, 52, 3213-3220.	2.5	7
52	Highly Efficient Palladium-catalyzed Suzukiâ€“Miyaura Cross-coupling with 9,10-Dihydro-9,10-ethanoanthracene-11,12-diimine Ligands under Mild Aerobic Conditions. Chemistry Letters, 2016, 45, 454-456.	0.7	7
53	Synthesis of bis-(benzocyclohexan-ketoimino) Ni(<scp>ii</scp>) with different electron groups and their catalytic copolymerization of norbornene and polar norbornene. RSC Advances, 2017, 7, 48745-48753.	1.7	6
54	Vinylâ€addition type norbornene copolymer containing sulfonated biphenyl pendant groups for proton exchange membranes. Journal of Applied Polymer Science, 2013, 127, 2280-2289.	1.3	5

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55	Imidazoliumâ€functionalized norbornene ionic liquid block copolymer and silica composite electrolyte membranes for lithiumâ€ion batteries. Journal of Applied Polymer Science, 2017, 134, .	1.3	5
56	Synthesis of MWNTs/SiO2 supported nickel and palladium complexes and their application as catalysts for cyclic olefins polymerization. Journal of Organometallic Chemistry, 2021, 949, 121953.	0.8	5
57	Silica-supported Ni(II) complex bearing [O^N] ligand and copolymerization to afford silica hybrid polynorbornenes nanocomposites. High Performance Polymers, 2013, 25, 287-300.	0.8	4
58	Novel Poly(<scp>B</scp>enzonorbornadiene) Derivatives Prepared by a Threeâ€<scp>D</scp>imensional Geometry Bimetallic Nickel Catalyst with Good Processability for Electrospinning. Macromolecular Materials and Engineering, 2014, 299, 470-477.	1.7	4
59	Copolymerization of norbornene with styrene catalyzed by Ni{CF3C(O)CHC[N(naphthyl)]CH3}2/B(C6F5)3 and transparent films. Journal of Polymer Engineering, 2012, 32, .	0.6	3
60	Câ€“C bridged Ni(II) complexes bearing Î²â€ketoâ€9â€fluorenyliminato ligands prepared by different in situ bonding mechanisms and their use in catalytic (co)polymerization of norbornene and styrene. Applied Organometallic Chemistry, 2019, 33, e4694.	1.7	3
61	Hexacoordinated nickel catalysts containing salicylaldbenzhydrylimine ligand and tetrahydrofuran heterocycle: High catalytic activity and high 1-hexene insert ratios for norbornene (Co)polymerization. Journal of Organometallic Chemistry, 2020, 915, 121241.	0.8	3
62	ELECTROLESS PLATING OF COPPER ON POLYTETRAFLUOROETHYLENE FILMS MODIFIED BY SURFACE-INITIATED FREE RADICAL POLYMERIZATION OF 4-VINYLPYRIDINE. Surface Review and Letters, 2007, 14, 241-253.	0.5	2
63	Efficient Benzocyclohexaneâ€“Ketoamine Ligands for Palladium-catalyzed Suzukiâ€“Miyaura Cross-coupling Reaction. Chemistry Letters, 2016, 45, 1232-1234.	0.7	2
64	Nickel complexes bearing different electron groups on substituted salicylaldnaphthylmethyleneimine ligands: Syntheses and their catalytic performance for (co)polymerization of norbornene. Applied Organometallic Chemistry, 2020, 34, e5625.	1.7	1
65	Polymerization of n-butyl methylacrylate using bis(Î²- ketoamino)nickel(II)/MAO catalytic systems. E-Polymers, 2008, 8, .	1.3	0
66	Copolymerization of 5-norbornene-2-metheneoxy-trimethylsilyl with methyl system. Journal of Polymer Engineering, 2012, 32, 415-423.	0.6	0