

Xiaohui He

List of Publications by Year in descending order

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66
papers

1,299
citations

361045

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Preparation and performance of bisimidazole cationic crosslinked addition-type polynorbornene-based anion exchange membrane. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 69-80.	3.8	11
2	Synthesis of halogenated benzonorbornadiene monomer and preparation of self-crosslinking bisimidazole cationic functionalized benzonorbornadiene triblock copolymer anion exchange membrane. <i>Polymer</i> , 2021, 218, 123535.	1.8	12
3	Synthesis of MWNTs/SiO ₂ supported nickel and palladium complexes and their application as catalysts for cyclic olefins polymerization. <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121953.	0.8	5
4	Tuning the effects of N1 substituents on the 2-methylimidazolium functionalized polynorbornene alkaline anion exchange membranes. <i>Polymer</i> , 2020, 206, 122883.	1.8	11
5	Novel self-cross-linked multi-imidazolium cations long flexible side chains triblock copolymer anion exchange membrane based on ROMP-type polybenzonorbornadiene. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19676-19690.	3.8	31
6	Nickel complexes bearing different electron groups on substituted salicylaldehydnaphtylmethyleneimine ligands: Syntheses and their catalytic performance for (co)polymerization of norbornene. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5625.	1.7	1
7	Hexacoordinated nickel catalysts containing salicylaldehydhydrylicimine ligand and tetrahydrofuran heterocycle: High catalytic activity and high 1-hexene insert ratios for norbornene (Co)polymerization. <i>Journal of Organometallic Chemistry</i> , 2020, 915, 121241.	0.8	3
8	Facile self-crosslinking to improve mechanical and durability of polynorbornene for alkaline anion exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13068-13079.	3.8	25
9	Bis-imidazolium functionalized self-crosslinking block polynorbornene anion exchange membrane. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13090-13100.	3.8	30
10	Alkaline anion exchange membranes with imidazolium-terminated flexible side-chain cross-linked topological structure based on ROMP-type norbornene copolymers. <i>Polymer</i> , 2020, 195, 122412.	1.8	28
11	Câ€C bridged Ni(II) complexes bearing Î²â€ketoâ€fluorenyliminato ligands prepared by different <i>in situ</i> bonding mechanisms and their use in catalytic (co)polymerization of norbornene and styrene. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4694.	1.7	3
12	Crosslinked hydroxylâ€conductive copolymer/silica composite membranes based on additionâ€type polynorbornene for alkaline anion exchange membrane fuel cell applications. <i>Polymer Engineering and Science</i> , 2018, 58, 13-21.	1.5	16
13	Bis-(salicylaldehyde-benzhydrylicimino)nickel complexes with different electron groups: crystal structure and their catalytic properties toward (co)polymerization of norbornene and 1-hexene. <i>RSC Advances</i> , 2018, 8, 36298-36312.	1.7	11
14	Imidazoliumâ€functionalized norbornene ionic liquid block copolymer and silica composite electrolyte membranes for lithiumâ€ion batteries. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	5
15	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. <i>Polymer Chemistry</i> , 2017, 8, 2390-2396.	1.9	26
16	Synthesis of bis-(benzocyclohexan-ketoimino) Ni(<sc>ii</sc>) with different electron groups and their catalytic copolymerization of norbornene and polar norbornene. <i>RSC Advances</i> , 2017, 7, 48745-48753.	1.7	6
17	A highly active and thermally stable 6,13-dihydro-6,13-ethanopentacene-15,16-diimine nickel(<sc>ii</sc>) complex as catalyst for norbornene polymerization. <i>RSC Advances</i> , 2017, 7, 51858-51863.	1.7	10
18	The preparation and application of a ROMP-type epoxy-functionalized norbornene copolymer and its hybrid alkaline anion exchange membranes. <i>RSC Advances</i> , 2017, 7, 55977-55985.	1.7	14

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19	Highly symmetric single nickel catalysts bearing bulky bis($\hat{\pm}$ -diimine) ligand: Synthesis, characterization, and electron-effects on copolymerization of norbornene with 1-alkene at elevated temperature. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3495-3505.	2.5	29
20	Highly Efficient Palladium-catalyzed Suzuki–Miyaura Cross-coupling with 9,10-Dihydro-9,10-ethanoanthracene-11,12-diimine Ligands under Mild Aerobic Conditions. <i>Chemistry Letters</i> , 2016, 45, 454-456.	0.7	7
21	Efficient Benzocyclohexane–Ketoamine Ligands for Palladium-catalyzed Suzuki–Miyaura Cross-coupling Reaction. <i>Chemistry Letters</i> , 2016, 45, 1232-1234.	0.7	2
22	Palladium($\langle\text{scpi}\rangle$) and copper($\langle\text{scpi}\rangle$) chloride complexes bearing bulky $\hat{\pm}$ -diimine ligands as catalysts for norbornene vinyl-addition (co)polymerization. <i>RSC Advances</i> , 2016, 6, 22908-22916.	1.7	21
23	Enzyme-mediated in situ formation of pH-sensitive nanogels for proteins delivery. <i>RSC Advances</i> , 2016, 6, 8032-8042.	1.7	24
24	Synthesis of well defined C–C bridged Ni($\langle\text{scpi}\rangle$) complexes bearing $\hat{\pm}$ -ketoiminato-fluorene ligands by bifluorenyl in situ coupling and application for norbornene (co)polymerization. <i>RSC Advances</i> , 2015, 5, 61851-61860.	1.7	12
25	Preparation of a ROMP-type imidazolium-functionalized norbornene ionic liquid block copolymer and the electrochemical property for lithium-ion batteries polyelectrolyte membranes. <i>RSC Advances</i> , 2015, 5, 43581-43588.	1.7	16
26	Marrying mussel inspired chemistry with SET–LRP: A novel strategy for surface functionalization of carbon nanotubes. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1872-1879.	2.5	39
27	Vinyl copolymerization of norbornene and higher 1-alkene with three-dimensional geometry binickel catalyst. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	18
28	A bioinspired strategy for surface modification of silica nanoparticles. <i>Applied Surface Science</i> , 2015, 357, 1996-2003.	3.1	54
29	Novel quaternary ammonium functional addition-type norbornene copolymer as hydroxide-conductive and durable anion exchange membrane for direct methanol fuel cells. <i>RSC Advances</i> , 2015, 5, 63215-63225.	1.7	20
30	Pd(II) complexes bearing di- and monochelate fluorinated $\hat{\pm}$ -ketonaphthyliminato ligand and their catalytic properties towards vinyl addition polymerization and copolymerization of norbornene and ester-functionalized norbornene derivative. <i>Applied Organometallic Chemistry</i> , 2014, 28, 702-711.	1.7	16
31	Novel Poly($\langle\text{scpi}\rangle$ enonorborene) Derivatives Prepared by a Three-dimensional Geometry Bimetallic Nickel Catalyst with Good Processability for Electrospinning. <i>Macromolecular Materials and Engineering</i> , 2014, 299, 470-477.	1.7	4
32	N,O-chelating bidentate Ni (II) and Pd (II) complexes for copolymerization of norbornene and norbornene ester. <i>Journal of Organometallic Chemistry</i> , 2014, 752, 100-108.	0.8	14
33	Substituent effects and activation mechanism of norbornene polymerization catalyzed by three-dimensional geometry $\hat{\pm}$ -diimine palladium complexes. <i>Polymer Chemistry</i> , 2014, 5, 1210-1218.	1.9	27
34	Norbornene/ $\langle\text{scpi}\rangle$ -Butyl methacrylate copolymerization over $\hat{\pm}$ -Diimine nickel and palladium catalysts supported on multiwalled carbon nanotubes. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3213-3220.	2.5	7
35	Free Mesogen Assisted Assembly of the Star-shaped Liquid-crystalline Copolymer/Polyethylene Oxide Solid Electrolytes for Lithium Ion Batteries. <i>Electrochimica Acta</i> , 2014, 118, 33-40.	2.6	35
36	Vinyl addition type norbornene copolymer containing sulfonated biphenyl pendant groups for proton exchange membranes. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2280-2289.	1.3	5

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37	Novel Ni and Pd(benzocyclohexane- β -ketonaphthylimino) complexes for copolymerization of norbornene with octene. <i>Journal of Applied Polymer Science</i> , 2013, 128, 216-223.	1.3	19
38	Silica-supported Ni(II) complex bearing [O ⁻ N] ligand and copolymerization to afford silica hybrid polynorbornenes nanocomposites. <i>High Performance Polymers</i> , 2013, 25, 287-300.	0.8	4
39	Hybrid polyelectrolytes based on stable sulfonated polynorbornene with higher proton conductivity and lower methanol permeability. <i>Journal of Power Sources</i> , 2013, 242, 725-731.	4.0	8
40	Nickel(II) Complexes with Three-Dimensional Geometry β -Diimine Ligands: Synthesis and Catalytic Activity toward Copolymerization of Norbornene. <i>Organometallics</i> , 2013, 32, 2291-2299.	1.1	63
41	Vinyl-addition type norbornene copolymers containing flexible spacers and sulfonated pendant groups for proton exchange membranes. <i>Journal of Applied Polymer Science</i> , 2013, 128, 3540-3547.	1.3	7
42	Mesogen-controlled ion channel of star-shaped hard-soft block copolymers for solid-state lithium-ion battery. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4341-4350.	2.5	16
43	Copolymerization of norbornene with styrene catalyzed by Ni{CF ₃ C(O)CHC[N(naphthyl)]CH ₃ } ₂ /B(C ₆ F ₅) ₃ and transparent films. <i>Journal of Polymer Engineering</i> , 2012, 32, .	0.6	3
44	Copolymerization of 5-norbornene-2-metheneoxy-trimethylsilyl with methyl system. <i>Journal of Polymer Engineering</i> , 2012, 32, 415-423.	0.6	0
45	Ni(II) and Pd(II) complexes bearing benzocyclohexane- β -ketoarylimine for copolymerization of norbornene with 5-norbornene-2-carboxylic ester. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4695-4704.	2.5	24
46	Sulfonated copoly(norbornene)s bearing sultone pendant groups and application as proton exchange membranes candidates. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	9
47	Nickel(II) complexes bearing the bis(β -ketoamino) ligand for the copolymerization of norbornene with a higher α -alkene. <i>Journal of Applied Polymer Science</i> , 2012, 124, 1323-1332.	1.3	13
48	Crosslinked electrolytes based on poly(butoxymethylenenorbornene) for proton exchange membrane. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3225-3233.	1.3	10
49	Copolymerization of norbornene and n-butyl methacrylate catalyzed by bis-(β -ketoamino)nickel(II)/B(C ₆ F ₅) ₃ catalytic system. <i>Polymer Bulletin</i> , 2011, 66, 1149-1161.	1.7	18
50	Ni(II) and Pd(II) complexes bearing novel bis(β -ketoamino) ligand and their catalytic activity toward copolymerization of norbornene and 5-norbornene-2-yl acetate combined with B(C ₆ F ₅) ₃ . <i>Journal of Polymer Science Part A</i> , 2011, 49, 3304-3313.	2.5	26
51	Copolymerization of norbornene with methoxycarbonylnorbornene catalyzed by Ni{CF ₃ C(O)CHC[N(naphthyl)]CH ₃ } ₂ /B(C ₆ F ₅) ₃ catalytic system and good processability for Dry/Wet phase inversion and electrospinning technique. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4425-4432.	2.5	16
52	Preparation of Nanosilica/Polynorbornene Nanocomposite by Covalently Immobilized Silica-Supported Acetylacetonate Palladium(II) Dichloride Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2378-2388.	1.1	12
53	Vinyl-addition copolymerization of norbornene and polar norbornene derivatives using novel bis(β -ketoamino)Ni(II)/B(C ₆ F ₅) ₃ /AlEt ₃ catalytic systems. <i>Journal of Applied Polymer Science</i> , 2011, 120, 2008-2016.	1.3	10
54	Stable crosslinked vinyl-addition type polynorbornene graft copolymer proton-exchange membranes. <i>Journal of Applied Polymer Science</i> , 2011, 121, 1166-1175.	1.3	18

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55	Photoluminescent, liquidâ€crystalline, and electrochemical properties of <i>para</i> -phenylene-based alternating conjugated copolymers. <i>Journal of Polymer Science Part A</i> , 2010, 48, 434-442.	2.5	9
56	Luminescent mesogen jacketed poly(1-alkyne) bearing lateral terphenyl with hexyloxy tail. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5679-5692.	2.5	22
57	Copolymerization of norbornene and 5-norbornene-2-yl acetate using novel bis(1-ketonaphthylamino)Ni(II)/B(C ₆ F ₅) ₃ catalytic system. <i>Journal of Polymer Science Part A</i> , 2009, 47, 3990-4000.	2.5	30
58	Polymerization of n-butyl methacrylate using bis(1-ketoamino)nickel(II)/MAO catalytic systems. <i>E-Polymers</i> , 2008, 8, .	1.3	0
59	ELECTROLESS PLATING OF COPPER ON POLYTETRAFLUOROETHYLENE FILMS MODIFIED BY SURFACE-INITIATED FREE RADICAL POLYMERIZATION OF 4-VINYLPYRIDINE. <i>Surface Review and Letters</i> , 2007, 14, 241-253.	0.5	2
60	Polymerization of styrene using bis(1-ketoamino)nickel(II)/methylaluminumoxane catalytic systems. <i>Journal of Applied Polymer Science</i> , 2007, 105, 500-509.	1.3	12
61	Addition polymerization of norbornene using bis(1-ketoamino)nickel(II)/tris(pentafluorophenyl)borane catalytic systems. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4733-4743.	2.5	27
62	Atom transfer radical polymerization directly from poly(vinylidene fluoride): Surface and antifouling properties. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3434-3443.	2.5	113
63	Controlled grafting of polymer brushes on poly(vinylidene fluoride) films by surface-initiated atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 101, 3704-3712.	1.3	48
64	Preparing polymer brushes on poly(vinylidene fluoride) films by free radical polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 101, 857-862.	1.3	9
65	Nanoporous SiLK [®] Dielectric Films Prepared from Free-Radical Graft Polymerization and Thermolysis. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 2483-2489.	1.1	7
66	Nickel(II) Complexes Bearing N,O-Chelate Ligands: Synthesis, Solid-Structure Characterization, and Reactivity toward the Polymerization of Polar Monomer. <i>Organometallics</i> , 2003, 22, 4952-4957.	1.1	146