Hermanus C M Vosloo

List of Publications by Year
in descending order

37	508	687363 13	713466 21
papers	citations	h-index	g-index

37	37	37	649
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Separation of different metathesis Grubbs-type catalysts using organic solvent nanofiltration. Journal of Membrane Science, 2010, 353, 70-77.	8.2	59
2	Ruthenium Catalyst with a Chelating Pyridinyl-Alcoholato Ligand for Application in Linear Alkene Metathesis. Advanced Synthesis and Catalysis, 2007, 349, 184-192.	4.3	40
3	Metathesis access to monocyclic iminocyclitol-based therapeutic agents. Beilstein Journal of Organic Chemistry, 2011, 7, 699-716.	2.2	39
4	Metal carbenes in homogeneous alkene metathesis: Computational investigations. Journal of Organometallic Chemistry, 2013, 738, 76-91.	1.8	29
5	Ruthenium Carbene Mediated Metathesis of Oleate-Type Fatty Compounds. International Journal of Molecular Sciences, 2008, 9, 615-625.	4.1	28
6	Fast and Efficient Nickel(II)â€catalysed Transfer Hydrogenation of Quinolines with Ammonia Borane. Advanced Synthesis and Catalysis, 2020, 362, 5788-5793.	4.3	27
7	Chemical oxidative polymerization of m-phenylenediamine and its derivatives using aluminium triflate as a co-catalyst. European Polymer Journal, 2013, 49, 3251-3260.	5.4	25
8	Development of microporous drug-releasing films cast from artificial nanosized latexes of poly(styrene-co-methyl methacrylate) or poly(styrene-co-ethyl methacrylate). European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 1121-1134.	4.3	23
9	Experimental, DFT and kinetic study of 1-octene metathesis with Hoveydaâ€“Grubbs second generation precatalyst. Journal of Molecular Catalysis A, 2012, 355, 85-95.	4.8	21
10	Synthesis and study of superabsorbent properties of acryloylated starch ester grafted with acrylic acid. Starch/Staerke, 2014, 66, 393-399.	2.1	18
11	Polyol Preparation by Liquefaction of Technical Lignins in Crude Glycerol. Journal of Renewable Materials, 2017, 5, 67-80.	2.2	17
12	Technological evaluation of organic solvent nanofiltration for the recovery of homogeneous hydroformylation catalysts. Chemical Engineering Research and Design, 2017, 121, 219-232.	5.6	16
13	Improved Metathesis Lifetime: Chelating Pyridinyl-Alcoholato Ligands in the Second Generation Grubbs Precatalyst. Molecules, 2014, 19, 5522-5537.	3.8	14
14	Synthesis and characterization of sulfonated poly(p-phenylenediamine) prepared by different procedures. Polymer, 2015, 66, 230-239.	3.8	14
15	Towards a better understanding of alkene metathesis: elucidating the properties of the major metal carbene catalyst types. Monatshefte FÃ¼r Chemie, 2015, 146, 1115-1129.	1.8	13
16	Industrial viability of homogeneous olefin metathesis: Beneficiation of linear alpha olefins with the diphenyl-substituted pyridinyl alcoholato ruthenium carbene precatalyst. Catalysis Today, 2016, 275, 191-200.	4.4	12
17	A Molecular modeling study of the changes of some steric properties of the precatalysts during the olefin metathesis reaction. Journal of Computational Chemistry, 2014, 35, 1457-1463.	3.3	11
18	Oxidative copolymerization of p-phenylenediamine and 3-aminobenzenesulfonic acid. Tetrahedron Letters, 2016, 57, 426-430.	1.4	9

#	Article	IF	Citations
19	Functionalising lignin in crude glycerol to prepare polyols and polyurethane. Polymers From Renewable Resources, 2019, 10, 3-18.	1.3	9
20	DFT investigation of the 1-octene metathesis reaction mechanism with the Phobcat precatalyst. Journal of Molecular Modeling, 2009, 15, 1371-1381.	1.8	8
21	Using aluminium triflate as a coâ€catalyst for the polymerization of oâ€phenylenediamine and its derivatives. Polymer International, 2014, 63, 1229-1237.	3.1	8
22	Rigid polyurethane foams from unrefined crude glycerol and technical lignins. Polymers From Renewable Resources, 2018, 9, 111-132.	1.3	8
23	Application of Size Exclusion Chromatography in the Development and Characterization of Nanoparticulate Drug Delivery Systems. Journal of Liquid Chromatography and Related Technologies, 2007, 30, 2489-2514.	1.0	7
24	Effects of the cosurfactant 1â€butanol and feed composition on nanoparticle properties produced by microemulsion copolymerization of styrene and methyl methacrylate. Journal of Applied Polymer Science, 2008, 107, 3950-3962.	2.6	7
25	A DFT computational study of phosphine ligand dissociationversushemilability in a Grubbs-type precatalyst containing a bidentate ligand during alkene metathesis. Molecular Simulation, 2008, 34, 997-1012.	2.0	7
26	Synthesis of highly-confined CdS nanoparticles by copolymerization of acryloylated starch. Materials Letters, 2014, 114, 63-67.	2.6	7
27	Synthesis of high-performance superabsorbent glycerol acrylate-cross-linked poly (acrylic acid). Research on Chemical Intermediates, 2017, 43, 2187-2200.	2.7	6
28	Synthesis and Application of Novel Ruthenium Catalysts for High Temperature Alkene Metathesis. Catalysts, 2017, 7, 22.	3.5	6
29	A comparison of low and high activity precatalysts: Do the calculated energy barriers during the selfâ€metathesis reaction of 1â€Octene correlate with the precatalyst metathesis activity?. Journal of Computational Chemistry, 2014, 35, 1464-1471.	3.3	5
30	Synthesis and Application of the Transition Metal Complexes of Î±-Pyridinyl Alcohols, Î±-Bipyridinyl Alcohols, Î±,Î±â€™-Pyridinyl Diols and Î±,Î±â€™-Bipyridinyl Diols in Homogeneous Catalysis. Molecules, 2018, 23, 896.	3.8	5
31	Kinetic evaluation of the hydroformylation of the post-metathesis product 7-tetradecene using a bulky phosphite-modified rhodium catalyst. Reaction Chemistry and Engineering, 2019, 4, 695-704.	3.7	5
32	Chemoselective transfer hydrogenation of nitriles to secondary amines with nickel(II) catalysts. Molecular Catalysis, 2021, 511, 111738.	2.0	2
33	Experimental and reaction kinetic investigation of 1-octene metathesis reaction with Hoveyda-Grubbs first generation precatalyst. International Journal of Chemical Reactor Engineering, 2012, 10, .	1.1	1
34	Geographical information system software as in-house chemical indexing database for catalyst screening of alkene metathesis catalysts. Catalysis Today, 2020, 342, 187-196.	4.4	1
35	Î±-Pyridinyl Alcohols, Î±,Î±â€™-Pyridine Diols, Î±-Bipyridinyl Alcohols, and Î±,Î±â€™-Bipyridine Diols as Structure Motifs Towards Important Organic Molecules and Transition Metal Complexes. Current Organic Synthesis, 2020, 17, 344-366.	1.3	1
36	Catalysis of linear alkene metathesis by Grubbs-type ruthenium alkylidene complexes containing hemilabile Î±,Î±-diphenyl-(monosubstituted-pyridin-2-yl)methanolato ligands. Beilstein Journal of Organic Chemistry, 2019, 15, 194-209.	2.2	0

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37	Aluminum triflate-cocatalyzed radical copolymerization of styrene and ethyl acrylate. Polymer Bulletin, 2020, 77, 2227-2247.	3.3	0