

Da Silva, Mj

List of Publications by Year in descending order

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110
papers

2,807
citations

159585

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h-index

254184

43
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all docs

114
docs citations

114
times ranked

2166
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuel consumption and emissions from a diesel power generator fuelled with castor oil and soybean biodiesel. <i>Fuel</i> , 2010, 89, 3637-3642.	6.4	115
2	Synthesis of methanol from methane: Challenges and advances on the multi-step (syngas) and one-step routes (DMTM). <i>Fuel Processing Technology</i> , 2016, 145, 42-61.	7.2	114
3	Esterification of Oleic Acid for Biodiesel Production Catalyzed by SnCl ₂ : A Kinetic Investigation. <i>Energies</i> , 2008, 1, 79-92.	3.1	104
4	Lacunar Keggin Heteropolyacid Salts: Soluble, Solid and Solid-Supported Catalysts. <i>Journal of Cluster Science</i> , 2018, 29, 195-205.	3.3	79
5	Investigation on the Esterification of Fatty Acids Catalyzed by the H ₃ PW ₁₂ O ₄₀ heteropolyacid. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2008, 85, 555-560.	1.9	70
6	Cobalt catalyzed autoxidation of monoterpenes in acetic acid and acetonitrile solutions. <i>Journal of Molecular Catalysis A</i> , 2003, 201, 71-77.	4.8	66
7	Kinetic Study of Alcoholysis of the Fatty Acids Catalyzed by Tin Chloride(II): An Alternative Catalyst for Biodiesel Production. <i>Energy & Fuels</i> , 2009, 23, 1718-1722.	5.1	61
8	Bioadditive synthesis from H ₃ PW ₁₂ O ₄₀ -catalyzed glycerol esterification with HOAc under mild reaction conditions. <i>Fuel Processing Technology</i> , 2012, 102, 46-52.	7.2	58
9	Catalysis by Keggin Heteropolyacid Salts. <i>Current Catalysis</i> , 2018, 7, 26-34.	0.5	56
10	Highly Selective SnCl ₂ -Catalyzed Solketal Synthesis at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 16709-16713.	3.7	55
11	Soluble and Solid Supported Keggin Heteropolyacids as Catalysts in Reactions for Biodiesel Production: Challenges and Recent Advances. <i>Current Organic Chemistry</i> , 2016, 20, 1263-1283.	1.6	53
12	Solvent-free heteropolyacid-catalyzed glycerol ketalization at room temperature. <i>RSC Advances</i> , 2015, 5, 44499-44506.	3.6	51
13	Solvent-free liquid-phase autoxidation of monoterpenes catalyzed by sol-gel Co/SiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2004, 217, 139-144.	4.8	50
14	A novel kinetic study of H ₃ PW ₁₂ O ₄₀ - catalyzed oleic acid esterification with methanol via 1H NMR spectroscopy. <i>Fuel Processing Technology</i> , 2012, 96, 98-103.	7.2	50
15	p-Sulfonic acid calix[n]arenes as homogeneous and recyclable organocatalysts for esterification reactions. <i>Tetrahedron Letters</i> , 2012, 53, 1630-1633.	1.4	49
16	Palladium catalyzed transformations of monoterpenes: stereoselective deuteration and oxidative dimerization of camphene. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 302-308.	1.8	46
17	Fe ₄ (SiW ₁₂ O ₄₀) ₃ -catalyzed glycerol acetylation: Synthesis of bioadditives by using highly active Lewis acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2016, 422, 69-83.	4.8	46
18	SnF ₂ -catalyzed glycerol ketalization: A friendly environmentally process to synthesize solketal at room temperature over on solid and reusable Lewis acid. <i>Chemical Engineering Journal</i> , 2017, 307, 828-835.	12.7	43

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19	Novel Esterification of Glycerol Catalysed by Tin Chloride (II): A Recyclable and Less Corrosive Process for Production of Bio-Additives. <i>Catalysis Letters</i> , 2011, 141, 1111-1117.	2.6	41
20	Palladium-catalyzed oxidation of monoterpenes: novel tandem oxidative coupling oxidation of camphene by dioxygen. <i>Journal of Molecular Catalysis A</i> , 2001, 176, 23-27.	4.8	39
21	Solid acid catalysts based on sulfonated carbon nanostructures embedded in an amorphous matrix produced from bio-oil: esterification of oleic acid with methanol. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103674.	6.7	39
22	Solketal synthesis from glycerol and acetone in the presence of metal salts: A Lewis or Brønsted acid catalyzed reaction?. <i>Fuel</i> , 2020, 276, 118164.	6.4	38
23	Tin-Catalyzed Esterification and Transesterification Reactions: A Review. , 2012, 2012, 1-13.		37
24	Novel solvent free liquid-phase oxidation of β -pinene over heterogeneous catalysts based on $\text{Fe}_3\text{O}_4/\text{MxO}_4$ (M=Co and Mn). <i>Applied Catalysis A: General</i> , 2004, 269, 117-121.	4.3	36
25	Glycerol Esterification over Sn(II)-Exchanged Keggin Heteropoly Salt Catalysts: Effect of Thermal Treatment Temperature. <i>Energy & Fuels</i> , 2019, 33, 7705-7716.	5.1	36
26	Novel H ₃ PW ₁₂ O ₄₀ : Catalysed Esterification Reactions of Fatty Acids at Room Temperature for Biodiesel Production. <i>Catalysis Letters</i> , 2010, 135, 207-211.	2.6	35
27	p-Sulfonic acid calix[n]arenes: the most active and water tolerant organocatalysts in esterification reactions. <i>Catalysis Science and Technology</i> , 2014, 4, 1369-1375.	4.1	34
28	One-pot synthesis of alkyl levulinates from biomass derivative carbohydrates in tin(II) exchanged silicotungstates-catalyzed reactions. <i>Cellulose</i> , 2019, 26, 7953-7969.	4.9	34
29	Tin(II) phosphotungstate heteropoly salt: An efficient solid catalyst to synthesize bioadditives ethers from glycerol. <i>Fuel</i> , 2019, 254, 115607.	6.4	34
30	An efficient process to synthesize solketal from glycerol over tin (II) silicotungstate catalyst. <i>Fuel</i> , 2020, 281, 118724.	6.4	34
31	Catalysis of vegetable oil transesterification by Sn(II)-exchanged Keggin heteropolyacids: bifunctional solid acid catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 1011-1030.	1.7	34
32	Palladium catalyzed oxidation of monoterpenes: NMR study of palladium(II) monoterpene interactions. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2996-3003.	1.8	32
33	A Highly Regioselective and Solvent-Free Sn(II)-Catalyzed Glycerol Ketals Synthesis at Room Temperature. <i>Catalysis Letters</i> , 2015, 145, 769-776.	2.6	30
34	Monolacunary K ₈ SiW ₁₁ O ₃₉ -Catalyzed Terpenic Alcohols Oxidation with Hydrogen Peroxide. <i>Catalysis Letters</i> , 2018, 148, 2516-2527.	2.6	30
35	H ₄ SiW ₁₂ O ₄₀ -Catalyzed Levulinic Acid Esterification at Room Temperature for Production of Fuel Bioadditives. <i>Waste and Biomass Valorization</i> , 2020, 11, 1895-1904.	3.4	29
36	Sulfonated polystyrene: A catalyst with acid and superabsorbent properties for the esterification of fatty acids. <i>Fuel</i> , 2010, 89, 257-259.	6.4	28

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37	An Efficient Benzaldehyde Oxidation by Hydrogen Peroxide over Metal Substituted Lacunary Potassium Heteropolyacid Salts. <i>Catalysis Letters</i> , 2018, 148, 1202-1214.	2.6	28
38	A selective synthesis of glycerol carbonate from glycerol and urea over Sn(OH) ₂ : a solid and recyclable <i>in situ</i> generated catalyst. <i>New Journal of Chemistry</i> , 2019, 43, 3698-3706.	2.8	27
39	Vanadium-doped sodium phosphomolybdate salts as catalysts in the terpene alcohols oxidation with hydrogen peroxide. <i>RSC Advances</i> , 2021, 11, 24072-24085.	3.6	26
40	Sn(II)-Exchanged Keggin Silicotungstic Acid-Catalyzed Etherification of Glycerol and Ethylene Glycol with Alkyl Alcohols. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9858-9868.	3.7	25
41	Unraveling the role of the lacunar Na ₇ PW ₁₁ O ₃₉ catalyst in the oxidation of terpene alcohols with hydrogen peroxide at room temperature. <i>New Journal of Chemistry</i> , 2020, 44, 2813-2820.	2.8	25
42	Monoterpenes etherification reactions with alkyl alcohols over cesium partially exchanged Keggin heteropoly salts: effects of catalyst composition. <i>Chemical Papers</i> , 2021, 75, 153-168.	2.2	25
43	Palladium-Catalysed Oxidation of Bicycle Monoterpenes by Hydrogen Peroxide in Acetonitrile Solutions: A Metal Reoxidant-Free and Environmentally Benign Oxidative Process. <i>Catalysis Letters</i> , 2009, 130, 424-431.	2.6	24
44	Heterogeneous Tin Catalysts Applied to the Esterification and Transesterification Reactions. <i>Journal of Catalysts</i> , 2013, 2013, 1-11.	0.5	24
45	An unexpected behavior of H ₃ PMo ₁₂ O ₄₀ heteropolyacid catalyst on the biphasic hydrolysis of vegetable oils. <i>RSC Advances</i> , 2017, 7, 8192-8199.	3.6	23
46	Highly selective synthesis under benign reaction conditions of furfural dialkyl acetal using SnCl ₂ as a recyclable catalyst. <i>New Journal of Chemistry</i> , 2019, 43, 8606-8612.	2.8	23
47	A kinetic study of heteropolyacid-catalyzed furfural acetalization with methanol at room temperature via ultraviolet spectroscopy. <i>Catalysis Today</i> , 2020, 344, 143-149.	4.4	23
48	Amphiphilic acid carbon catalysts produced by bio-oil sulfonation for solvent-free glycerol ketalization. <i>Fuel</i> , 2020, 274, 117799.	6.4	23
49	A comparative investigation of palmitic acid esterification over p-sulfonic acid calix[4]arene and sulfuric acid catalysts via ¹ H NMR spectroscopy. <i>Catalysis Communications</i> , 2012, 26, 127-131.	3.3	22
50	Î ² -pinene oxidation by hydrogen peroxide catalyzed by modified niobium-MCM. <i>Applied Catalysis A: General</i> , 2012, 419-420, 215-220.	4.3	22
51	H ₃ PMo ₁₂ O ₄₀ /Agroindustry Waste Activated Carbon-Catalyzed Esterification of Lauric Acid with Methanol: A Renewable Catalytic Support. <i>Waste and Biomass Valorization</i> , 2018, 9, 669-679.	3.4	22
52	Experimental design and economic analysis of 5-hydroxymethylfurfural synthesis from fructose in acetone-water system using niobium phosphate as catalyst. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 635-646.	4.6	22
53	Metal silicotungstate salts as catalysts in furfural oxidation reactions with hydrogen peroxide. <i>Molecular Catalysis</i> , 2020, 493, 111104.	2.0	22
54	Assessment on the double role of the transition metal salts on the acetalization of furfural: Lewis and Brønsted acid catalysts. <i>Molecular Catalysis</i> , 2018, 461, 40-47.	2.0	21

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55	K5PW11NiO39 catalyzed oxidation of benzyl alcohol with hydrogen peroxide. <i>ChemistrySelect</i> , 2019, 4, 302-310.	1.5	21
56	One-pot synthesis at room temperature of epoxides and linalool derivative pyrans in monolacunary Na ₇ PW ₁₁ O ₃₉ -catalyzed oxidation reactions by hydrogen peroxide. <i>RSC Advances</i> , 2020, 10, 7691-7697.	3.6	21
57	Fe(NO ₃) ₃ -Catalyzed Monoterpene Oxidation by Hydrogen Peroxide: An Inexpensive and Environmentally Benign Oxidative Process. <i>Catalysis Letters</i> , 2014, 144, 615-622.	2.6	20
58	Unravelling transition metal-catalyzed terpenic alcohol esterification: a straightforward process for the synthesis of fragrances. <i>Catalysis Science and Technology</i> , 2016, 6, 3197-3207.	4.1	20
59	Fe ₂ (SO ₄) ₃ -Catalyzed Levulinic Acid Esterification: Production of Fuel Bioadditives. <i>Energies</i> , 2018, 11, 1263.	3.1	20
60	Cesium-Exchanged Lacunar Keggin Heteropolyacid Salts: Efficient Solid Catalysts for the Green Oxidation of Terpenic Alcohols with Hydrogen Peroxide. <i>ChemistrySelect</i> , 2020, 5, 1976-1986.	1.5	20
61	Impacts of Sn(II) doping on the Keggin heteropolyacid-catalyzed etherification of glycerol with tert-butyl alcohol. <i>Chemical Engineering Science</i> , 2022, 247, 116913.	3.8	20
62	Effect of Water on the Ethanolsis of Waste Cooking Soybean Oil Using a Tin(II) Chloride Catalyst. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 1431-1437.	1.9	19
63	Microwave-assisted multicomponent synthesis of julolidines using silica-supported calix[4]arene as heterogeneous catalyst. <i>Tetrahedron</i> , 2019, 75, 3740-3750.	1.9	19
64	Transition Metal-Substituted Potassium Silicotungstate Salts as Catalysts for Oxidation of Terpene Alcohols with Hydrogen Peroxide. <i>Catalysis Letters</i> , 2021, 151, 2094-2106.	2.6	18
65	Pd(OAc) ₂ /M(NO ₃) _n (M=Cu(II), Fe(III); n=2, 3): Kinetic investigations of an alternative Wacker system for the oxidation of natural olefins. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3254-3261.	1.8	17
66	A Highly Selective Na ₂ WO ₄ -Catalyzed Oxidation of Terpenic Alcohols by Hydrogen Peroxide. <i>Catalysis Letters</i> , 2018, 148, 374-382.	2.6	17
67	Iron (III) Silicotungstate: An Efficient and Recyclable Catalyst for Converting Glycerol to Solketal. <i>Energy & Fuels</i> , 2020, 34, 9664-9673.	5.1	16
68	Sn(II)-catalyzed Î ² -citronellol esterification: a Brønsted acid-free process for synthesis of fragrances at room temperature. <i>Catalysis Science and Technology</i> , 2015, 5, 1261-1266.	4.1	15
69	Novel effect of palladium catalysts on chemoselective oxidation of Î ² -pinene by hydrogen peroxide. <i>Monatshefte für Chemie</i> , 2013, 144, 321-326.	1.8	14
70	A rare oxidation of camphene to acid and aldehyde in the presence of Lacunar Keggin heteropoly salts. <i>Molecular Catalysis</i> , 2019, 478, 110589.	2.0	14
71	Lewis acid metal cations exchanged heteropoly salts as catalysts in Î ² -pinene etherification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 875-887.	1.7	14
72	Novel and Highly Efficient SnBr ₂ -Catalyzed Esterification Reactions of Fatty Acids: The Notable Anion Ligand Effect. <i>Catalysis Letters</i> , 2013, 143, 1240-1246.	2.6	13

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73	Fe(III)-catalyzed β -terpinyl derivatives synthesis from β -pinene via reactions with hydrogen peroxide in alcoholic solutions. <i>RSC Advances</i> , 2015, 5, 10529-10536.	3.6	13
74	Oxidation of terpenic alcohols with hydrogen peroxide promoted by Nb ₂ O ₅ obtained by microwave-assisted hydrothermal method. <i>Molecular Catalysis</i> , 2020, 489, 110941.	2.0	13
75	Novel Oxidative Desulfurization of a Model Fuel with H ₂ O ₂ Catalyzed by AlPMo ₁₂ O ₄₀ under Phase Transfer Catalyst-Free Conditions. <i>Hindawi Journal of Chemistry</i> , 2013, 2013, 1-7.	1.6	12
76	Esterification of levulinic acid over Sn(II) exchanged Keggin heteropolyacid salts: An efficient route to obtain bioadditives. <i>Molecular Catalysis</i> , 2021, 504, 111495.	2.0	12
77	Can Brønsted acids catalyze the epoxidation of allylic alcohols with H ₂ O ₂ ? With a little help from the proton, the H ₃ PMo ₁₂ O ₄₀ acid did it and well. <i>Molecular Catalysis</i> , 2021, 512, 111780.	2.0	12
78	Na ₄ PMo ₁₁ VO ₄₀ -catalyzed one-pot oxidative esterification of benzaldehyde with hydrogen peroxide. <i>RSC Advances</i> , 2021, 11, 34979-34987.	3.6	12
79	Bio-oil: a versatile precursor to produce carbon nanostructures in liquid phase under mild conditions. <i>New Journal of Chemistry</i> , 2019, 43, 2430-2433.	2.8	11
80	Enhancement of levoglucosan production via fast pyrolysis of sugarcane bagasse by pretreatment with Keggin heteropolyacids. <i>Industrial Crops and Products</i> , 2020, 154, 112680.	5.2	11
81	A Highly Selective Pd(OAc) ₂ /Pyridine/K ₂ CO ₃ System for Oxidation of Terpenic Alcohols by Dioxygen. <i>Catalysis Letters</i> , 2012, 142, 251-258.	2.6	10
82	A Rare Carbon Skeletal Oxidative Rearrangement of Camphene Catalyzed by Al ^{III} -Exchanged Keggin Heteropolyacid Salts. <i>ChemistrySelect</i> , 2019, 4, 7665-7672.	1.5	10
83	Furfural acetalization over Keggin heteropolyacid salts at room temperature: effect of cesium doping. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 913-931.	1.7	10
84	Vanadium-doped phosphomolybdic acids as catalysts for geraniol oxidation with hydrogen peroxide. <i>RSC Advances</i> , 2022, 12, 11796-11806.	3.6	10
85	Elucidation of the stereochemistry of diterpene derivatives obtained by palladium catalyzed oxidative coupling-oxidation of camphene. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, 83-89.	0.6	9
86	p-Sulfonic acid calix[n]arenes as organocatalysts for the transesterification reaction of Passiflora seed oil. <i>Monatshefte für Chemie</i> , 2015, 146, 1927-1934.	1.8	9
87	Tin-Catalyzed Urea Alcoholysis With β -Citronellol: A Simple and Selective Synthesis of Carbamates. <i>Catalysis Letters</i> , 2016, 146, 1517-1528.	2.6	9
88	Novel Palladium-Catalyzed Oxidative Intramolecular Cyclization of β -Citronellol with H ₂ O ₂ : A Green and Selective Process to Synthesize Oxocine. <i>Catalysis Letters</i> , 2017, 147, 1646-1653.	2.6	9
89	A novel Fe(III) salt-catalyzed monoterpene aerobic oxidation in methyl alcohol. <i>Catalysis Communications</i> , 2013, 42, 129-133.	3.3	8
90	Exploring the reaction pathways of Pd(II)-catalyzed cyclohexene oxidation with molecular oxygen: vinylic and allylic oxidation, disproportionation and oxidative dehydrogenation. <i>New Journal of Chemistry</i> , 2016, 40, 7996-8005.	2.8	8

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91	A Kinetic Investigation of Triacetin Methanolysis and Assessment of the Stability of a Sulfated Zirconium Oxide Catalyst. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 865-874.	1.9	8
92	Copper phosphotungstate-catalyzed microwave-assisted synthesis of 5-hydroxymethylfurfural in a biphasic system. <i>Cellulose</i> , 2022, 29, 5529-5545.	4.9	8
93	Leaf surface traits related to differential particle adsorption – A case study of two tropical legumes. <i>Science of the Total Environment</i> , 2022, 823, 153681.	8.0	7
94	Exploring the Keggin-Type Heteropolyacid-Catalyzed Reaction Pathways of the β -Pinene with Alkyl Alcohols. <i>Catalysis Letters</i> , 2019, 149, 2844-2853.	2.6	6
95	Analysis of processing methods for combustion pressure measurement in a diesel engine. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	6
96	Dysprosium-doped zinc tungstate nanospheres as highly efficient heterogeneous catalysts in green oxidation of terpenic alcohols with hydrogen peroxide. <i>New Journal of Chemistry</i> , 2021, 45, 6661-6670.	2.8	6
97	Influence of Nb ₂ O ₅ grown on SrTiO ₃ nanoseeds in the catalytic oxidation of thioanisole. <i>Materials Chemistry and Physics</i> , 2022, 278, 125591.	4.0	6
98	Fe(SO ₄) ₃ -Catalyzed Synthesis of Terpenic Alcohols Esters: A Simple and Bifunctional Reusable Solid Catalyst. <i>ChemistrySelect</i> , 2018, 3, 5742-5748.	1.5	5
99	Sulfated-Alumina-Catalyzed Triacetin Synthesis: An Optimization Study of Glycerol Esterification. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4235-4243.	3.7	5
100	Metal nitrate-catalyzed one-pot oxidative esterification of benzaldehyde with hydrogen peroxide in alcoholic solutions at room temperature. <i>New Journal of Chemistry</i> , 2021, 45, 3683-3691.	2.8	4
101	Biodiesel Production over Niobium-Containing Catalysts: A Review. <i>Energies</i> , 2021, 14, 5506.	3.1	4
102	SnCl ₂ -catalyzed synthesis of carbamates from renewable origin alcohols. <i>Chemical Papers</i> , 2018, 72, 1169-1180.	2.2	4
103	Bioenergy II: Tin Catalysed Esterification of Free Fatty Acids. <i>International Journal of Chemical Reactor Engineering</i> , 2010, 8, .	1.1	3
104	One-pot synthesis of benzaldehyde derivatives in PdCl ₂ -catalyzed reactions with H ₂ O ₂ in alcoholic solutions. <i>Chemical Papers</i> , 2021, 75, 1545-1554.	2.2	3
105	New Magnetic Fe Oxide-Carbon Based Acid Catalyst Prepared from Bio-Oil for Esterification Reactions. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	3
106	How the Cobalt Position in the Keggin Anion Impacts the Activity of Tungstate Catalysts in the Furfural Acetalization with Alkyl Alcohols. <i>ChemistrySelect</i> , 2022, 7, .	1.5	3
107	Heterogeneous Catalysts Based on H ₃ PW ₁₂ O ₄₀ Heteropolyacid for Free Fatty Acids Esterification. , 0, , .		1
108	Assessing the Activity of Solid-Suported SnCl ₂ Catalysts on the Oleic Acid Esterification for Biodiesel Production. <i>Journal of Thermodynamics & Catalysis</i> , 2016, 7, .	0.2	1

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109	H3PMo12O40 Heteropolyacid: A Versatile and Efficient Bifunctional Catalyst for the Oxidation and Esterification Reactions. , 2013, , 225-244.		1
110	SnBr ₂ -catalyzed highly selective synthesis of alkyl ethers from monoterpenes. Comptes Rendus Chimie, 2020, 23, 93-103.	0.5	0