Eric Monflier

List of Publications by Year
in descending order

295 papers	8,409 citations	50170 46 h-index	98622 67 g-index
326 all docs	326 docs citations	326 times ranked	6346 citing authors

#	Article	IF	Citations
1	Cyclodextrins as Supramolecular Hosts for Organometallic Complexes. Chemical Reviews, 2006, 106, 767-781.	23.0	394
2	Polyoxometalate, Cationic Cluster, and Î³-Cyclodextrin: From Primary Interactions to Supramolecular Hybrid Materials. Journal of the American Chemical Society, 2017, 139, 12793-12803.	6.6	137
3	Molecular Recognition between Chemically ModifiedÎ²-Cyclodextrin and Dec-1-ene: New Prospects for Biphasic Hydroformylation of Water-Insoluble Olefins. Angewandte Chemie International Edition in English, 1995, 34, 2269-2271.	4.4	123
4	Remediation technologies using cyclodextrins: an overview. Environmental Chemistry Letters, 2012, 10, 225-237.	8.3	116
5	Recent breakthroughs in aqueous cyclodextrin-assisted supramolecular catalysis. Catalysis Science and Technology, 2014, 4, 1899.	2.1	100
6	Wacker Oxidation of 1-Decene to 2-Decanone in the Presence of a Chemically Modified Cyclodextrin System: A Happy Union of Hostâ€"Guest Chemistry and Homogeneous Catalysis. Angewandte Chemie International Edition in English, 1994, 33, 2100-2102.	4.4	97
7	A further breakthrough in biphasic, rhodium-catalyzed hydroformylation: the use of Per(2,6-di-O-methyl)-Î²-cyclodextrin as inverse phase transfer catalyst. Tetrahedron Letters, 1995, 36, 9481-9484.	0.7	97
8	Cyclodextrins as Emerging Therapeutic Tools in the Treatment of Cholesterol-Associated Vascular and Neurodegenerative Diseases. Molecules, 2016, 21, 1748.	1.7	94
9	Behavior of Î±-, Î²-, and Î³-Cyclodextrins and Their Derivatives on an in Vitro Model of Blood-Brain Barrier. Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 745-751.	1.3	93
10	Cyclodextrins and their applications in aqueous-phase metal-catalyzed reactions. Comptes Rendus Chimie, 2011, 14, 149-166.	0.2	92
11	Thermoresponsive Hydrogels in Catalysis. ACS Catalysis, 2013, 3, 1006-1010.	5.5	87
12	Supramolecular shuttle and protective agent: a multiple role of methylated cyclodextrins in the chemoselective hydrogenation of benzene derivatives with ruthenium nanoparticles. Chemical Communications, 2006, , 296-298.	2.2	84
13	Eggplant-Derived Biochar-Halloysite Nanocomposite as Supports of Pd Nanoparticles for the Catalytic Hydrogenation of Nitroarenes in the Presence of Cyclodextrin. ACS Sustainable Chemistry and Engineering, 2019, 7, 6720-6731.	3.2	84
14	Cyclodextrin-based systems for the stabilization of metallic(0) nanoparticles and their versatile applications in catalysis. Catalysis Today, 2014, 235, 20-32.	2.2	83
15	Effects of Î²-cyclodextrin introduction to zirconia supported-cobalt oxide catalysts: From molecule-ion associations to complete oxidation of formaldehyde. Applied Catalysis B: Environmental, 2013, 138-139, 381-390.	10.8	82
16	Nonconventional Three-Component Hierarchical Hostâ€"Guest Assembly Based on Mo-Blue Ring-Shaped Giant Anion, Î³-Cyclodextrin, and Dawson-type Polyoxometalate. Journal of the American Chemical Society, 2017, 139, 14376-14379.	6.6	81
17	Enhancement of Catalytic Activity for Hydroformylation of Methyl Acrylate by Using Biphasic andâ€œSupported Aqueous Phaseâ€•Systems. Angewandte Chemie International Edition in English, 1995, 34, 1474-1476.	4.4	79
18	Biphasic aqueous organometallic catalysis promoted by cyclodextrins: Can surface tension measurements explain the efficiency of chemically modified cyclodextrins?. Journal of Colloid and Interface Science, 2007, 307, 481-487.	5.0	77

#	Article	IF	Citations
19	Unconventional media and technologies for starch etherification and esterification. Green Chemistry, 2018, 20, 1152-1168.	4.6	75
20	Rhodium catalyzed hydroformylation of water insoluble olefins in the presence of chemically modified Î²-cyclodextrins: evidence for ligand-cyclodextrin interactions and effect of various parameters on the activity and the aldehydes selectivity. Journal of Molecular Catalysis A, 2001, 176, 105-116.	4.8	70
21	Hydrogen Production by Selective Dehydrogenation of HCOOH Catalyzed by Ru-Biaryl Sulfonated Phosphines in Aqueous Solution. ACS Catalysis, 2014, 4, 3002-3012.	5.5	68
22	Sulfonated Xantphos Ligand and Methylated Cyclodextrin:Â A Winning Combination for Rhodium-Catalyzed Hydroformylation of Higher Olefins in Aqueous Medium. Organometallics, 2005, 24, 2070-2075.	1.1	66
23	Deep eutectic solvents as green absorbents of volatile organic pollutants. Environmental Chemistry Letters, 2017, 15, 747-753.	8.3	66
24	Methylated cyclodextrins: an efficient protective agent in water for zerovalent ruthenium nanoparticles and a supramolecular shuttle in alkene and arene hydrogenation reactions. Dalton Transactions, 2007, , 5714.	1.6	65
25	Evaluation of surface properties and pore structure of carbon on the activity of supported Ru catalysts in the aqueous-phase aerobic oxidation of HMF to FDCA. Applied Catalysis A: General, 2015, 506, 206-219.	2.2	65
26	Pickering Emulsions Based on Supramolecular Hydrogels: Application to Higher Olefinsâ€™ Hydroformylation. ACS Catalysis, 2013, 3, 1618-1621.	5.5	64
27	A new, highly selective, water-soluble rhodium catalyst for methyl acrylate hydroformylation. Journal of Organometallic Chemistry, 1995, 505, 11-16.	0.8	61
28	High-Pressure31P{1H}â€...NMR Studies of RhH(CO)(TPPTS)3 in the Presence of Methylated Cyclodextrins: New Light on Rhodium-Catalyzed Hydroformylation Reaction Assisted by Cyclodextrins. Advanced Synthesis and Catalysis, 2004, 346, 425-431.	2.1	59
29	Catalytically active nanoparticles stabilized by hostâ€“guest inclusion complexes in water. Chemical Communications, 2009, , 1228.	2.2	59
30	Wacker oxidation of various olefins in the presence of per(2,6-di-O-methyl)-Î²-cyclodextrin: mechanistic investigations of a multistep catalysis in a solvent-free two-phase system. Journal of Molecular Catalysis A, 1996, 109, 27-35.	4.8	58
31	Unexpected Multifunctional Effects of Methylated Cyclodextrins in a Palladium Charcoal-Catalyzed SuzukiâMiyaura Reaction. Organic Letters, 2006, 8, 4823-4826.	2.4	58
32	Cyclodextrins as effective additives in AuNP-catalyzed reduction of nitrobenzene derivatives in a ball-mill. Green Chemistry, 2016, 18, 5500-5509.	4.6	58
33	Chemically Modified Cyclodextrins: An Attractive Class of Supramolecular Hosts for the Development of Aqueous Biphasic Catalytic Processes. Sustainability, 2009, 1, 924-945.	1.6	55
34	Chemically modified Î²-cyclodextrins in biphasic catalysis: a fruitful contribution of the hostâ€“guest chemistry to the transition-metal catalyzed reactions. Catalysis Today, 1999, 48, 245-253.	2.2	54
35	An ambient-temperature aqueous synthesis of zirconium-based metalâ€“organic frameworks. Green Chemistry, 2018, 20, 5292-5298.	4.6	54
36	Cyclodextrins as inverse phase transfer catalysts for the biphasic catalytic hydrogenation of aldehydes: a green and easy alternative to conventional mass transfer promoters. Green Chemistry, 2002, 4, 188-193.	4.6	53

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37	Cyclodextrins or Calixarenes: What is the Best Mass Transfer Promoter for Suzuki Cross-Coupling Reactions in Water?. Advanced Synthesis and Catalysis, 2004, 346, 83-89.	2.1	53
38	Self-Assembled Supramolecular Bidentate Ligands for Aqueous Organometallic Catalysis. Angewandte Chemie - International Edition, 2007, 46, 3040-3042.	7.2	53
39	An N-heterocyclic carbene ligand based on a Î²-cyclodextrinâ€"imidazolium salt: synthesis, characterization of organometallic complexes and Suzuki coupling. New Journal of Chemistry, 2011, 35, 2061.	1.4	53
40	Facile preparation of Ni/Al2O3 catalytic formulations with the aid of cyclodextrin complexes: Towards highly active and robust catalysts for the direct amination of alcohols. Journal of Catalysis, 2017, 356, 111-124.	3.1	52
41	Rhodium-Catalyzed Hydroformylation Promoted by Modified Cyclodextrins:Current Scope and Future Developments. Current Organic Synthesis, 2008, 5, 162-172.	0.7	50
42	Low melting mixtures based on Î²-cyclodextrin derivatives and N,Nâ€²-dimethylurea as solvents for sustainable catalytic processes. Green Chemistry, 2014, 16, 3876-3880.	4.6	50
43	Palladium catalyzed telomerization of butadiene with water in a two phase system: drastic effect of the amine structure on the rate and selectivity. Journal of Molecular Catalysis A, 1995, 97, 29-33.	4.8	49
44	Expanded Scope of Supported Aqueous Phase Catalysis: Efficient Rhodium-Catalyzed Hydroformylation of Î±,Î²-Unsaturated Esters. Journal of Catalysis, 1996, 162, 339-348.	3.1	49
45	Effects of Î³- and Hydroxypropyl-Î³-cyclodextrins on the Transport of Doxorubicin across an in Vitro Model of Blood-Brain Barrier. Journal of Pharmacology and Experimental Therapeutics, 2004, 311, 1115-1120.	1.3	48
46	Methylated Î²-cyclodextrin as P-gp modulators for deliverance of doxorubicin across an in vitro model of bloodâ€"brain barrier. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2154-2157.	1.0	48
47	Pd nanoparticles immobilized on halloysite decorated with a cyclodextrin modified melamine-based polymer: a promising heterogeneous catalyst for hydrogenation of nitroarenes. New Journal of Chemistry, 2018, 42, 15733-15742.	1.4	48
48	First evidence of molecular recognition between cyclodextrins and a water-soluble ligand used in aqueous phase organometallic catalysis. New Journal of Chemistry, 1999, 23, 469-472.	1.4	47
49	Cyclodextrinâ€"phosphane possessing a guest-tunable conformation for aqueous rhodium-catalyzed hydroformylation. Chemical Communications, 2012, 48, 753-755.	2.2	47
50	About the Use of Rhodium Nanoparticles in Hydrogenation and Hydroformylation Reactions. Current Organic Chemistry, 2013, 17, 364-399.	0.9	47
51	Chemically modified cyclodextrins adsorbed on Pd/C particles: New opportunities to generate highly chemo- and stereoselective catalysts for Heck reaction. Catalysis Communications, 2008, 9, 1346-1351.	1.6	46
52	Cyclodextrin-cobalt (II) molecule-ion pairs as precursors to active Co3O4/ZrO2 catalysts for the complete oxidation of formaldehyde: Influence of the cobalt source. Journal of Catalysis, 2016, 341, 191-204.	3.1	46
53	Catalysis in Cyclodextrin-Based Unconventional Reaction Media: Recent Developments and Future Opportunities. ACS Sustainable Chemistry and Engineering, 2017, 5, 3598-3606.	3.2	46
54	Advances in transition-metal catalyzed hydroxycarbonylation reactions in aqueous-organic two-phase system. Journal of Molecular Catalysis A, 1999, 143, 11-22.	4.8	45

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55	Palladium catalyzed hydroxycarbonylation of olefins in biphasic system: beneficial effect of alkali metal salt and protective-colloid agents on the stability of the catalytic system. Journal of Molecular Catalysis A, 1999, 143, 23-30.	4.8	45
56	Click chemistry as an efficient tool to access Î²-cyclodextrin dimers. Tetrahedron, 2008, 64, 7159-7163.	1.0	44
57	Aqueous rhodium-catalyzed hydroformylation of 1-decene in the presence of randomly methylated Î²-cyclodextrin and 1,3,5-triaza-7-phosphaadamantane derivatives. Applied Catalysis A: General, 2009, 362, 62-66.	2.2	44
58	Functionalized Cyclodextrins as First and Second Coordination Sphere Ligands for Aqueous Organometallic Catalysis. European Journal of Inorganic Chemistry, 2012, 2012, 1571-1578.	1.0	44
59	Cyclodextrin-Directed Synthesis of Gold-Modified TiO₂ Materials and Evaluation of Their Photocatalytic Activity in the Removal of a Pesticide from Water: Effect of Porosity and Particle Size. ACS Sustainable Chemistry and Engineering, 2017, 5, 3623-3630.	3.2	43
60	A very useful and efficient Wacker oxidation of higher Î±-olefins in the presence of per(2,6-di-O-methyl)-Î²-cyclodextrin. Tetrahedron Letters, 1995, 36, 387-388.	0.7	42
61	Cyclodextrin silica-based materials: advanced characterizations and study of their complexing behavior by diffuse reflectance UVâ€“Vis spectroscopy. Microporous and Mesoporous Materials, 2004, 75, 261-272.	2.2	42
62	Solubilisation of chlorinated solvents by cyclodextrin derivativesA study by static headspace gas chromatography and molecular modelling. Journal of Hazardous Materials, 2007, 141, 92-97.	6.5	42
63	Cooperativity in Aqueous Organometallic Catalysis: Contribution of Cyclodextrin-Substituted Polymers. ACS Catalysis, 2012, 2, 1417-1420.	5.5	42
64	Chemically modified Î²-cyclodextrins: Efficient supramolecular carriers for the biphasic hydrogenation of water-insoluble aldehydes. Tetrahedron Letters, 1998, 39, 2959-2960.	0.7	41
65	Two-Phase Hydroformylation of Higher Olefins Using Randomly Methylated ?-Cyclodextrin as Mass Transfer Promoter: A Smart Solution for Preserving the Intrinsic Properties of the Rhodium/Trisulfonated Triphenylphosphine Catalytic System. Advanced Synthesis and Catalysis, 2005, 347, 55-59.	2.1	41
66	Cyclodextrins as Mass Transfer Additives in Aqueous Organometallic Catalysis. Current Organic Chemistry, 2010, 14, 1296-1307.	0.9	41
67	An ordered hydrophobic P6mm mesoporous carbon with graphitic pore walls and its application in aqueous catalysis. Carbon, 2011, 49, 1290-1298.	5.4	41
68	Greener Paalâ€“Knorr Pyrrole Synthesis by Mechanical Activation. European Journal of Organic Chemistry, 2016, 2016, 31-35.	1.2	41
69	First Evidence of Cyclodextrin Inclusion Complexes in a Deep Eutectic Solvent. ACS Sustainable Chemistry and Engineering, 2019, 7, 6345-6351.	3.2	41
70	Hydroformylation of higher olefins by rhodium/tris-((1H,1H,2H,2H-perfluorodecyl)phenyl)phosphites complexes in a fluorocarbon/hydrocarbon biphasic medium: effects of fluorinated groups on the activity and stability of the catalytic system. Tetrahedron, 2002, 58, 3877-3888.	1.0	40
71	Nanoparticleâ€Based Catalysis using Supramolecular Hydrogels. Advanced Synthesis and Catalysis, 2012, 354, 1269-1272.	2.1	40
72	Diametrically Opposed Carbenes on an Î±â€Cyclodextrin: Synthesis, Characterization of Organometallic Complexes and Suzukiâ€“Miyaura Coupling in Ethanol and in Water. European Journal of Organic Chemistry, 2013, 2013, 3691-3699.	1.2	40

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73	Thermodynamic insight into the origin of the inclusion of monosulfonated isomers of triphenylphosphine into the Î²-cyclodextrin cavity. Carbohydrate Research, 2002, 337, 281-287.	1.1	39
74	Substrate-selective aqueous organometallic catalysis. How size and chemical modification of cyclodextrin influence the substrate selectivity. Tetrahedron, 2004, 60, 6487-6493.	1.0	39
75	Selective Secondary Face Modification of Cyclodextrins by Mechanosynthesis. Journal of Organic Chemistry, 2015, 80, 6259-6266.	1.7	39
76	Highly efficient telomerization of butadiene into octadienol in a micellar system: a judicious choice of the phosphine/surfactant combination. Applied Catalysis A: General, 1995, 131, 167-178.	2.2	38
77	Heptakis(2,3-di-O-methyl-6-O-sulfopropyl)-Î²-cyclodextrin: A Genuine Supramolecular Carrier for Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2006, 348, 379-386.	2.1	38
78	Alkyl sulfonated diphosphines-stabilized ruthenium nanoparticles as efficient nanocatalysts in hydrogenation reactions in biphasic media. Catalysis Today, 2012, 183, 34-41.	2.2	38
79	Hydroformylation of vegetable oils: More than 50 years of technical innovation, successful research, and development. European Journal of Lipid Science and Technology, 2016, 118, 26-35.	1.0	38
80	Molekulare Erkennung zwischen chemisch modifiziertem <i>Î²</i>â€Cyclodextrin und 1â€Decen: Zweiphasenâ€Hydroformylierung von wasserunlÃ¶slichen Olefinen. Angewandte Chemie, 1995, 107, 2450-2452.	1.6	37
81	Hydroformylation of 1-decene in aqueous medium catalysed by rhodiumâ€“alkyl sulfonated diphosphines system in the presence of methylated cyclodextrins. How the flexibility of the diphosphine backbone influences the regioselectivity. New Journal of Chemistry, 2006, 30, 377.	1.4	37
82	Aqueous hydroformylation reaction mediated by randomly methylated Î²-cyclodextrin: How substitution degree influences catalytic activity and selectivity. Journal of Molecular Catalysis A, 2009, 303, 72-77.	4.8	37
83	Unusual Inversion Phenomenon of Î²â€Cyclodextrin Dimers in Water. Chemistry - A European Journal, 2011, 17, 3949-3955.	1.7	37
84	Rhodium catalyzed hydroformylation of 1-decene in low melting mixtures based on various cyclodextrins and N,Nâ€²-dimethylurea. Catalysis Communications, 2015, 63, 62-65.	1.6	37
85	Ruthenium-containing Î²-cyclodextrin polymer globules for the catalytic hydrogenation of biomass-derived furanic compounds. Green Chemistry, 2015, 17, 2444-2454.	4.6	37
86	Unconventional Approaches Involving Cyclodextrin-Based, Self-Assembly-Driven Processes for the Conversion of Organic Substrates in Aqueous Biphasic Catalysis. Catalysts, 2017, 7, 173.	1.6	37
87	Biphasic Aqueous Organometallic Catalysis Promoted by Cyclodextrins: How to Design the Waterâ€Soluble Phenylphosphane to Avoid Interaction with Cyclodextrin. Advanced Synthesis and Catalysis, 2008, 350, 609-618.	2.1	36
88	Î²-Cyclodextrin for design of alumina supported cobalt catalysts efficient in Fischerâ€“Tropsch synthesis. Chemical Communications, 2011, 47, 10767.	2.2	36
89	Methylated Î²â€Cyclodextrinâ€Capped Ruthenium Nanoparticles: Synthesis Strategies, Characterization, and Application in Hydrogenation Reactions. ChemCatChem, 2013, 5, 1497-1503.	1.8	36
90	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2000, 38, 361-379.	1.6	35

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91	Cleavage of water-insoluble alkylallylcarbonates catalysed by a palladium/TPPTS/cyclodextrin system: effect of phosphine/cyclodextrin interactions on the reaction rate. Journal of Molecular Catalysis A, 2004, 215, 23-32.	4.8	35
92	Sulfobutyl Ether-Î²-Cyclodextrins: Promising Supramolecular Carriers for Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2005, 347, 1301-1307.	2.1	35
93	Easily Accessible Monoâ€•and Polytopic Âî²â€Cyclodextrin Hosts by Click Chemistry. European Journal of Organic Chemistry, 2008, 2008, 5723-5730.	1.2	35
94	Cyclodextrins as growth controlling agents for enhancing the catalytic activity of PVP-stabilized Ru(0) nanoparticles. Chemical Communications, 2012, 48, 3451.	2.2	35
95	Carbonâ€Supported Ruthenium Nanoparticles Stabilized by Methylated Cyclodextrins: A New Family of Heterogeneous Catalysts for the Gasâ€Phase Hydrogenation of Arenes. Chemistry - A European Journal, 2008, 14, 8090-8093.	1.7	34
96	An unusual enhancement of catalytic activity in biphasic catalysis: The rhodium catalyzed hydroformylation of acrylic esters. Journal of Molecular Catalysis A, 1998, 129, 35-40.	4.8	33
97	A convenient synthesis of phenylpropanoic acids: the palladium catalyzed hydrocarboxylation of styrene derivatives in a two-phase system. Journal of Molecular Catalysis A, 1999, 138, 53-57.	4.8	33
98	One and Two-dimensional NMR Investigations of the Inclusion of the Monosulfonated Triphenylphosphine in the Î²-cyclodextrin. Supramolecular Chemistry, 2002, 14, 11-20.	1.5	33
99	Molecular Recognition Between a Water-Soluble Organometallic Complex and a ?-Cyclodextrin: First Example of Second-Sphere Coordination Adducts Possessing a Catalytic Activity. Advanced Synthesis and Catalysis, 2004, 346, 1449-1456.	2.1	33
100	Easy two-step synthesis of new tris(perfluoroalkylphenyl)phosphites. Tetrahedron Letters, 1998, 39, 9411-9414.	0.7	32
101	Synthesis, Rhodium Complexes and Catalytic Applications of a New Waterâ€Soluble Triphenylphosphaneâ€Modified Î²â€Cyclodextrin. Advanced Synthesis and Catalysis, 2011, 353, 1325-1334.	2.1	32
102	Synergetic Effect of Randomly Methylated Î²-Cyclodextrin and a Supramolecular Hydrogel in Rh-Catalyzed Hydroformylation of Higher Olefins. ACS Catalysis, 2014, 4, 2342-2346.	5.5	32
103	Rhodium-catalyzed one pot synthesis of hydroxymethylated triglycerides. Green Chemistry, 2016, 18, 6687-6694.	4.6	32
104	Chemically ModifiedÎ²-Cyclodextrins as Supramolecular Carriers in the Biphasic Palladium-Catalyzed Cleavage of Allylic Carbonates: Activity Enhancement and Substrate-Selective Catalysis. European Journal of Organic Chemistry, 1999, 1999, 3127-3129.	1.2	31
105	Rhodium Complexes Non-Covalently Bound to Cyclodextrins: Novel Water-Soluble Supramolecular Catalysts for the Biphasic Hydroformylation of Higher Olefins. Chemistry - A European Journal, 2005, 11, 6228-6236.	1.7	31
106	Supramolecularly controlled surface activity of an amphiphilic ligand. Application to aqueous biphasic hydroformylation of higher olefins. Catalysis Science and Technology, 2011, 1, 1347.	2.1	31
107	Substrate-selective catalysis in an aqueous biphasic system with per(2,6-di-O-methyl)-Î²-cyclodextrin. Catalysis Today, 2001, 66, 355-361.	2.2	30
108	Water-Soluble Triphenylphosphane-3,3â€²,3â€²â€²-tricarboxylate (m-TPPTC) Ligand and Methylated Cyclodextrins: A New Combination for Biphasic Rhodium-Catalyzed Hydroformylation of Higher Olefins. Advanced Synthesis and Catalysis, 2006, 348, 1547-1552.	2.1	30

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109	Cyclodextrin/Amphiphilic Phosphane Mixed Systems and their Applications in Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2012, 354, 1337-1346.	2.1	30
110	Unexpected synthesis of a new highly fluorocarbon soluble phosphite for biphasic catalysis. Tetrahedron Letters, 1999, 40, 3885-3888.	0.7	29
111	New Phosphane Based on a Î²â€Cyclodextrin, Exhibiting a Solventâ€Tunable Conformation, and its Catalytic Properties. Chemistry - A European Journal, 2010, 16, 10195-10201.	1.7	29
112	Rhodiumâ€catalyzed hydroformylation of unsaturated fatty esters in aqueous media assisted by activated carbon. European Journal of Lipid Science and Technology, 2012, 114, 1439-1446.	1.0	29
113	Efficient Ruthenium Nanocatalysts in Liquidâ€"Liquid Biphasic Hydrogenation Catalysis: Towards a Supramolecular Control through a Sulfonated Diphosphineâ€"Cyclodextrin Smart Combination. ChemCatChem, 2013, 5, 3802-3811.	1.8	29
114	Photocatalysis of Volatile Organic Compounds in water: Towards a deeper understanding of the role of cyclodextrins in the photodegradation of toluene over titanium dioxide. Journal of Colloid and Interface Science, 2016, 461, 317-325.	5.0	29
115	Complexation of Phosphine Ligands with Peracetylated Î²-Cyclodextrin in Supercritical Carbon Dioxide:Â Spectroscopic Determination of Equilibrium Constants. Journal of Physical Chemistry B, 2007, 111, 2573-2578.	1.2	28
116	A cyclodextrin dimer as a supramolecular reaction platform for aqueous organometallic catalysis. Chemical Communications, 2013, 49, 6989.	2.2	28
117	Î²-Cyclodextrins Decrease Cholesterol Release and ABC-Associated Transporter Expression in Smooth Muscle Cells and Aortic Endothelial Cells. Frontiers in Physiology, 2016, 7, 185.	1.3	28
118	Solvent free telomerization of butadiene with water into octadienols in the presence of nonionic surfactant: efficient micellar catalysis. Catalysis Letters, 1995, 34, 201-212.	1.4	27
119	Unexpected Effect of Cyclodextrins on Water-Soluble Rhodium Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 595-599.	1.0	27
120	Hostâ€"guest inclusion complexes between peracetylated Î²-cyclodextrin and diphenyl(4-phenylphenyl)phosphine: Computational studies. Computational and Theoretical Chemistry, 2006, 777, 99-106.	1.5	27
121	Properties and Catalytic Activities of New Easilyâ€Made Amphiphilic Phosphanes for Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2010, 352, 1193-1203.	2.1	27
122	Fine tuning of sulfoalkylated cyclodextrin structures to improve their mass-transfer properties in an aqueous biphasic hydroformylation reaction. Journal of Molecular Catalysis A, 2008, 286, 11-20.	4.8	26
123	Coassembly of Block Copolymer and Randomly Methylated Î²-Cyclodextrin: From Swollen Micelles to Mesoporous Alumina with Tunable Pore Size. Macromolecules, 2013, 46, 5672-5683.	2.2	26
124	Recent developments in cyclodextrinâ€mediated aqueous biphasic hydroformylation and tsujiâ€"trost reactions. Applied Organometallic Chemistry, 2015, 29, 580-587.	1.7	26
125	Cobalt catalyzed hydroformylation of higher olefins in the presence of chemically modified cyclodextrins. Catalysis Communications, 2009, 10, 1808-1812.	1.6	25
126	Catalytic Decarbonylation of Biosourced Substrates. ChemSusChem, 2015, 8, 1585-1592.	3.6	25

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127	Hydroformylation of Alkenes in a Planetary Ball Mill: From Additiveâ€Controlled Reactivity to Supramolecular Control of Regioselectivity. Angewandte Chemie - International Edition, 2017, 56, 10564-10568.	7.2	25
128	Convenient synthesis of new amphiphilic triphenylphosphine analogues for aqueous biphasic catalysis. Tetrahedron Letters, 2001, 42, 8837-8840.	0.7	24
129	Chemically modified cyclodextrins as supramolecular tools to generate carbon-supported ruthenium nanoparticles: An application towards gas phase hydrogenation. Applied Catalysis A: General, 2011, 391, 334-341.	2.2	24
130	Aqueous biphasic hydroformylation in the presence of cyclodextrins mixtures: evidence of a positive synergistic effect. Dalton Transactions, 2012, 41, 8643.	1.6	24
131	Isomerization of olefins in a two-phase system by homogeneous water-soluble nickel complexes. Journal of Organometallic Chemistry, 1998, 553, 469-471.	0.8	23
132	Peracetylated Î²-cyclodextrin as solubilizer of arylphosphines in supercritical carbon dioxide. Journal of Supercritical Fluids, 2006, 36, 173-181.	1.6	23
133	Î²-Cyclodextrins modified by alkyl and poly(ethylene oxide) chains: A novel class of mass transfer additives for aqueous organometallic catalysis. Journal of Molecular Catalysis A, 2010, 318, 8-14.	4.8	23
134	Amphiphilic photo-isomerisable phosphanes for aqueous organometallic catalysis. Chemical Communications, 2010, 46, 7813.	2.2	23
135	Lower- and upper-rim-modified derivatives of 1,3,5-triaza-7-phosphaadamantane: Coordination chemistry and applications in catalytic reactions in water. Pure and Applied Chemistry, 2012, 85, 385-396.	0.9	23
136	Carboxylated polymers functionalized by cyclodextrins for the stabilization of highly efficient rhodium(0) nanoparticles in aqueous phase catalytic hydrogenation. Dalton Transactions, 2012, 41, 13359.	1.6	23
137	Cyclodextrin-assisted low-metal Ni-Pd/Al2O3 bimetallic catalysts for the direct amination of aliphatic alcohols. Journal of Catalysis, 2018, 368, 172-189.	3.1	23
138	Cyclodextrin-Based SupramolecularP,NBidentate Ligands and their Platinum and Rhodium Complexes. Organometallics, 2010, 29, 6668-6674.	1.1	22
139	The Role of Metals and Ligands in Organic Hydroformylation. Topics in Current Chemistry, 2013, 342, 1-47.	4.0	22
140	Understanding the Role of Cyclodextrins in the Self-Assembly, Crystallinity, and Porosity of Titania Nanostructures. Langmuir, 2014, 30, 11812-11822.	1.6	22
141	Evidence for the existence of crosslinked crystalline domains within cyclodextrin-based supramolecular hydrogels through solâ€“gel replication. RSC Advances, 2014, 4, 8200.	1.7	22
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