Imre TÃ³th

List of Publications by Year
in descending order

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39 papers	1,699 citations	218677 26 h-index	302126 39 g-index
41 all docs	41 docs citations	41 times ranked	733 citing authors

#	Article	IF	Citations
1	Chiral Sulfonated Phosphines. Syntheses and Use as Ligands in Asymmetric Hydrogenation Using an Aqueous-Organic Two-Phse Solvent System. Organometallics, 1989, 8, 542-547.	2.3	164
2	A facile method for the preparation of 2,4-bis(diphenylphosphino)pentane (BDPP) enantiomers and their application in asymmetric hydrogenation. Journal of Organometallic Chemistry, 1985, 279, 23-29.	1.8	146
3	Temperature dependence of the asymmetric induction in the PtCl(SnCl3)[(â˜)-(2S,4S)-2,4-bis(diphenylphosphino)pentane]-catalyzed enantioselective hydroformylation reaction. Journal of Organometallic Chemistry, 1988, 350, 277-284.	1.8	95
4	Synthesis and identification by high-pressure NMR spectroscopy of the cationic square-planar cis-methyl(carbonyl)palladium diphosphine compound [Pd(CH3)(CO)[(S,S)-BDPP]]BF4, an intermediate in CO insertion into the Pd-Me bond. Journal of the American Chemical Society, 1993, 115, 10388-10389.	13.7	95
5	Novel chiral water soluble phosphines II. Applications in catalytic asymmetric hydrogenation. Tetrahedron: Asymmetry, 1990, 1, 913-930.	1.8	74
6	Influence of the reaction temperature on the enantioselection of styrene hydroformylation catalyzed by PtCl(SnCl3) complexes of p-aryl-substituted chiral ligands. Organometallics, 1993, 12, 848-852.	2.3	73
7	Asymmetric hydroformylation with Pt-phosphine-SnCl2 and Pt-bisphosphine-CuCl2 (or CuCl) catalytic systems. Journal of Organometallic Chemistry, 1989, 370, 257-261.	1.8	64
8	CO Insertion in Four-Coordinate cis-Methyl(carbonyl)platinum-Diphosphine Compounds. An Ionic Mechanism for Platinum-Diphosphine-Catalyzed Hydroformylation. Inorganic Chemistry, 1994, 33, 5708-5712.	4.0	64
9	Water-soluble electron-donating phosphines: sulfonation of tris(.omega.-phenylalkyl)phosphines. Organometallics, 1993, 12, 164-170.	2.3	59
10	Chiral sulphonated phosphines. Journal of Organometallic Chemistry, 1989, 370, 277-284.	1.8	58
11	Novel chiral water soluble phosphines I. Preparation and characterization of amine functionalized DIOP, Chiraphos, and BDPP derivatives and quaternization of their rhodium complexes. Tetrahedron: Asymmetry, 1990, 1, 895-912.	1.8	55
12	Bis[tris(m(sodium sulfonato)phenyl)phosphine] hexacarbonyl dicobalt, Co2(CO)6 (P(m-C6H4SO3Na)3)2, in a supported aqueous phase for the hydroformylation of 1-hexene. Journal of Organometallic Chemistry, 1991, 403, 221-227.	1.8	54
13	Alternative supported aqueous-phase catalyst systems. Journal of Molecular Catalysis A, 1997, 116, 217-229.	4.8	48
14	Use of heterogeneous asymmetric hydrogenation for the preparation of a chiral phosphinite and its application as a ligand in homogeneous asymmetric hydrogenation. Journal of Organic Chemistry, 1981, 46, 5427-5428.	3.2	47
15	Formation of Dinuclear Palladium(I) Hydride [Pd2(.mu.-H)(.mu.-CO){(S,S)-BDPP}2]Cl by Methanolysis or Hydrolysis of Pd(COMe)(Cl){(S,S)-BDPP} {(S,S)-BDPP = (2S,4S)-2,4-Bis(diphenylphosphino)pentane}. Organometallics, 1994, 13, 2118-2122.	2.3	44
16	Synthesis of Pt compounds containing chiral (2S,4S) -pentane-2,4-diyl-bis(5H-dibenzo[b]phosphindole) as ligand and their use in asymmetric hydroformylation of styrene derivatives. Journal of Organometallic Chemistry, 1997, 540, 15-25.	1.8	41
17	Enantioselective two-phase hydrogenation of ?-amino acid precursors with water soluble rhodium complexes of the cationic ligand (S,S)-2,4-bis[bis-(p-N,N,N-trimethylammoniumphenyl)phosphino]pentane,		

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19	Hydroformylation of 1-hexene with Pt(P(m-C6H4SO3Na)3)2Cl2 and its tin chloride analogue on a controlled-pore glass. Journal of Molecular Catalysis, 1991, 70, 363-368.	1.2	35
20	Immobilization of rhodium complexes in aqueous HBF4. The enantioselective hydrogenation of prochiral olefins with {[CH3CHP(p-C6H4NMe2H)2CH2CHP(p-C6H4NMe2H)2CH3]RhNBD}5+. Journal of Organometallic Chemistry, 1990, 396, 363-373.	1.8	34
21	Asymmetric hydroformylation of styrene using rhodium and platinum complexes of diphosphites containing chiral chelate backbones and chiral 1,3,2-dioxaphosphorinane moieties. Tetrahedron: Asymmetry, 1998, 9, 3135-3142.	1.8	34
22	Aspects of the cleavage of phosphines with potassium: synthesis and reactivity of lithium and potassium bis[p-(dimethylamino)phenyl]phosphide. Organometallics, 1990, 9, 675-680.	2.3	32
23	Immobilization of rhodium complexes of amine-functionalized BDPP and chiraphos on a soluble form of the strongly acidic Nafion-H cation exchange resin. Journal of Molecular Catalysis, 1992, 71, 365-371.	1.2	30
24	Mechanism of the Pyridine-Modified Cobalt-Catalyzed Hydromethoxycarbonylation of 1,3-Butadiene. Organometallics, 2003, 22, 1582-1584.	2.3	30
25	Towards Sustainable Catalysis â€“ Highly Efficient Olefin Metathesis in Protic Media Using Phase Labelled Cyclic Alkyl Amino Carbene (CAAC) Ruthenium Catalysts. ChemCatChem, 2020, 12, 1953-1957.	3.7	30
26	Synthesis and carbonylation of [Pd(Me)(OMe){(S,S)-bdpp}][(S,S)-bdpp =(2S,4S)-2,4-bis(diphenylphosphino)pentane]. Journal of the Chemical Society Chemical Communications, 1993, , 529-531.	2.0	28
27	Chiral sulfonated phosphines. Rhodium(I)-catalyzed asymmetric hydrogenolysis of epoxides. Journal of Molecular Catalysis A, 1997, 116, 85-97.	4.8	28
28	Immobilization of HRh(CO)(P(m-C6H4SO3Na)3)3 on an anion exchange resin for the hydroformylation of higher olefins. Catalysis Letters, 1991, 8, 209-214.	2.6	23
29	Asymmetric hydrogenation using chiral phosphinite rhodium complexes. Tetrahedron Letters, 1984, 25, 4965-4966.	1.4	22
30	NMR studies of the structures of p-aryl-substituted chiral ligands in rhodium(I) and platinum(II) complexes. Organometallics, 1993, 12, 1506-1513.	2.3	22
31	Palladium-catalyzed aryloxy- and alkoxycarbonylation of aromatic iodides in Î³-valerolactone as bio-based solvent. Journal of Organometallic Chemistry, 2020, 923, 121407.	1.8	18
32	Highly Selective Hydroformylation of the Cinchona Alkaloids. Journal of Organic Chemistry, 2002, 67, 5022-5024.	3.2	17
33	Synthesis of 1,6-Hexandiol, Polyurethane Monomer Derivatives via Isomerization Metathesis of Methyl Linolenate. ACS Sustainable Chemistry and Engineering, 2017, 5, 11215-11220.	6.7	15
34	Synthesis of hemilabile P,N-ligands with a pentane-2,4-diyl backbone. Tetrahedron Letters, 2014, 55, 4120-4122.	1.4	12
35	Efficient stereochemical communication in phosphine-amine palladium-complexes: Exploration of N-substituent effects in coordination chemistry and catalysis. Journal of Organometallic Chemistry, 2017, 846, 129-140.	1.8	12
36	Synthesis of new N-substituted chiral phosphineâ€“phosphoramidite ligands and their application in asymmetric hydrogenations and allylic alkylations. Tetrahedron: Asymmetry, 2015, 26, 666-673.	1.8	11

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37	Metathesis of renewable polyene feedstocks â€“ Indirect evidences of the formation of catalytically active ruthenium allylidene species. Journal of Organometallic Chemistry, 2017, 847, 213-217.	1.8	6
38	Additions and Corrections - Influence of the Reaction Temperature on the Enantioselection of Styrene Hydroformylation Catalyzed by PtCl(SnCl3) Complexes of p-Aryl-Substituted Chiral Ligands. Organometallics, 1994, 13, 1537-1537.	2.3	2
39	Oneâ€pot Synthesis of 1,3â€Butadiene and 1,6â€Hexanediol Derivatives from Cyclopentadiene (CPD) via Tandem Olefin Metathesis Reactions. ChemCatChem, 2018, 10, 4870-4877.	3.7	1