Sylvain JugÃ©

List of Publications by Year
in descending order

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Version: 2024-02-01

55 papers	1,809 citations	257450 24 h-index	276875 41 g-index
61 all docs	61 docs citations	61 times ranked	1519 citing authors

#	Article	IF	Citations
1	Applications and stereoselective syntheses of P-chirogenic phosphorus compounds. Chemical Society Reviews, 2016, 45, 5771-5794.	38.1	333
2	Highly Enantiomerically Enriched Chlorophosphine Boranes:â€‰ Synthesis and Applications as P-Chirogenic Electrophilic Blocks. Journal of Organic Chemistry, 2003, 68, 4293-4301.	3.2	97
3	P-chirogenic organocatalysts: application to the aza-Moritaâ€“Baylisâ€“Hillman (aza-MBH) reaction of ketimines. Chemical Communications, 2013, 49, 8392.	4.1	80
4	Efficient Synthesis of Quaternary and P-Stereogenic Phosphonium Triflates. Organic Letters, 2010, 12, 1568-1571.	4.6	79
5	Asymmetric synthesis of P-stereogenic o-hydroxyaryl-phosphine (borane) and phosphine-phosphinite ligands. Tetrahedron: Asymmetry, 2000, 11, 3939-3956.	1.8	71
6	Stereoselective Synthesis of o-Bromo (or Iodo)aryl P-Chirogenic Phosphines Based on Aryne Chemistry. Journal of Organic Chemistry, 2012, 77, 5759-5769.	3.2	52
7	Versatile synthesis of P-chiral (ephedrine) AMPP ligands via their borane complexes. Structural consequences in Rh-catalyzed hydrogenation of methyl Î±-acetamidocinnamate. Tetrahedron: Asymmetry, 1999, 10, 4729-4743.	1.8	50
8	Enantiodivergent synthesis of P-chirogenic phosphines. Comptes Rendus Chimie, 2010, 13, 1213-1226.	0.5	48
9	Direct use of chiral or achiral organophosphorus boranes as pro-ligands for transition metal catalyzed reactions. Journal of Organometallic Chemistry, 2001, 624, 333-343.	1.8	47
10	Configurational Stability of Chlorophosphines. Inorganic Chemistry, 2003, 42, 420-427.	4.0	47
11	Mono and diphosphine borane complexes grafted on polypyrrole matrix: direct use as supported ligands for Rh and Pd catalysis. Journal of Organometallic Chemistry, 1998, 567, 219-233.	1.8	41
12	Chemo-, regio- and stereoselective conversion of P-chirogenic phosphorus borane complexes into their P˜...O or P˜...S derivatives. Tetrahedron: Asymmetry, 2001, 12, 1441-1449.	1.8	40
13	1H and 31P NMR determination of the enantiomeric purity of quaternary phosphonium cations using TRISPHAT as chiral shift agent. Tetrahedron Letters, 1998, 39, 7495-7498.	1.4	39
14	Modular P-Chirogenic Aminophosphane-Phosphinite Ligands for Rh-Catalyzed Asymmetric Hydrogenation: A New Model for Prediction of Enantioselectivity. European Journal of Organic Chemistry, 2007, 2007, 2078-2090.	2.4	39
15	A practical synthesis of chiral and achiral phosphonium salts from phosphine borane complexes. Tetrahedron Letters, 1997, 38, 3405-3408.	1.4	37
16	NMR enantiodifferentiation of triphenylphosphonium salts by chiral hexacoordinated phosphate anions. Tetrahedron Letters, 2003, 44, 2467-2471.	1.4	37
17	o-(Hydroxyalkyl)phenyl P-Chirogenic Phosphines as Functional Chiral Lewis Bases. Organic Letters, 2013, 15, 1870-1873.	4.6	37
18	Luminescent P-Chirogenic Copper Clusters. Inorganic Chemistry, 2013, 52, 7958-7967.	4.0	37

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19	Ferrocenyl glycopeptides as electrochemical probes to detect autoantibodies in multiple sclerosis patients' sera. Biopolymers, 2008, 90, 488-495.	2.4	32
20	Stereoselective Synthesis of P-Chirogenic Dibenzophospholeâ€“Boranes via Aryne Intermediates. Journal of Organic Chemistry, 2012, 77, 6117-6127.	3.2	30
21	First Dibenzophospholyl(diphenylphosphino)methaneâ^'Borane Hybrid Pâ^'(Î·²-BH₃) Ligand: Synthesis and Rhodium(I) Complex. Organometallics, 2009, 28, 6288-6292.	2.3	29
22	Efficient Synthesis of (P-Chirogenic) o-Boronated Phosphines from sec-Phosphine Boranes. Organic Letters, 2015, 17, 1216-1219.	4.6	26
23	Stereoselective Synthesis of Unsaturated and Functionalized <scp>l</scp>-NHBoc Amino Acids, Using Wittig Reaction under Mild Phase-Transfer Conditions. Journal of Organic Chemistry, 2012, 77, 7579-7587.	3.2	25
24	Pâ€“C Crossâ€Coupling Onto Enamides: Versatile Synthesis of Î±â€Enamido Phosphane Derivatives. European Journal of Organic Chemistry, 2012, 2012, 1101-1106.	2.4	25
25	Modular P-Chirogenic Phosphine-Sulfide Ligands: Clear Evidence for Both Electronic Effect and P-Chirality Driving Enantioselectivity in Palladium-Catalyzed Allylations. Organometallics, 2015, 34, 4340-4358.	2.3	25
26	Designing P-Chirogenic 1,2-Diphosphinobenzenes at Both P-Centers Using P(III)-Phosphinites. Organic Letters, 2016, 18, 2930-2933.	4.6	25
27	Phosphine Boranes in Coordination Chemistry:Â An Efficient Method for the Synthesis of Chiral and Achiral Organophosphorus Pentacarbonyltungsten Complexes. Inorganic Chemistry, 1998, 37, 2438-2442.	4.0	24
28	Electrophilic ring opening of oxazolines derived from serine and threonine: A practical entry to N(N)-protected Î²-halogeno Î±-aminoesters. Tetrahedron: Asymmetry, 1998, 9, 437-447.	1.8	22
29	Modular Phosphole-Methano-Bridged-Phosphine(Borane) Ligands. Application to Rhodium-Catalyzed Reactions. Organometallics, 2012, 31, 857-869.	2.3	22
30	Utilization of industrial waste materials, 5. Synthesis of new, chiral 1,3,2-oxazaphospholidine-borane complexes and attempts to apply them in the stereoselective synthesis. Liebigs Annalen, 1995, 1995, 2123-2131.	0.8	21
31	A novel phosphorusâ€“carbon bond formation by ring opening with diethyl phosphite of oxazolines derived from serine. Tetrahedron, 2004, 60, 3593-3597.	1.9	20
32	Asymmetric addition of a nitrogen nucleophile to an enoate in the presence of a chiral phaseâ€transfer catalyst: A novel approach toward enantiomerically enriched protected Î²â€amino acids. Heteroatom Chemistry, 2012, 23, 202-209.	0.7	20
33	P-Chirogenic Phosphines Supported by Calix[4]arene: New Insight into Palladium-Catalyzed Asymmetric Allylic Substitution. Organometallics, 2013, 32, 2827-2839.	2.3	20
34	A P-chirogenic Î²-aminophosphine synthesis by diastereoselective reaction of the Î±-metallated PAMPâ€“borane complex with benzaldimine. Tetrahedron: Asymmetry, 2004, 15, 2061-2065.	1.8	18
35	The First C 3-Symmetric P-Stereogenic Diphosphinomethane Trinuclear Palladium Clusters: Synthesis and Characterization. Journal of Cluster Science, 2009, 20, 267-280.	3.3	18
36	The first unpaired electron placed inside a C3-symmetry P-chirogenic cluster. Dalton Transactions, 2010, 39, 10068.	3.3	18

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37	The First Pâ€Stereogenic 1D Coordination Polymers with the Metal Centers in the Backbone. European Journal of Inorganic Chemistry, 2011, 2011, 2597-2609.	2.0	17
38	Organometallic Oligomers Based on Bis(arylacetylide)bis(P-chirogenic phosphine)platinum(II) Complexes: Synthesis and Photonic Properties. Inorganic Chemistry, 2013, 52, 2361-2371.	4.0	17
39	Supramolecular Hydrogenâ€Bonding Tautomeric Sulfonamidoâ€“Phosphinamides: A Perfect Pâ€Chirogenic Memory. European Journal of Inorganic Chemistry, 2012, 2012, 496-503.	2.0	15
40	Triphenylphosphonium salts bearing an l-alanyl substituent: short synthesis and enantiomeric analysis by NMR. Tetrahedron Letters, 2001, 42, 3981-3984.	1.4	14
41	Modular Hemisyntheses of Boronatoâ€•and Trifluoroboratoâ€Substituted <scp>L</scp>â€NHBoc Amino Acid and Peptide Derivatives. European Journal of Organic Chemistry, 2013, 2013, 7960-7972.	2.4	14
42	Efficient synthesis of Î²-halogeno protected l-alanines and their Î²-phosphonium derivatives. Tetrahedron: Asymmetry, 2003, 14, 2229-2238.	1.8	13
43	Chiral bicyclic spirophosphoranes in an arbuzov-type reaction. Tetrahedron, 1987, 43, 3721-3728.	1.9	12
44	Enantiodifferentiation of acyclic phosphonium salts in chiral liquid crystalline solutions. Tetrahedron: Asymmetry, 2006, 17, 1424-1429.	1.8	12
45	o-Boronato- and o-Trifluoroboratoâ€“Phosphonium Salts Supported by l-Î±-Amino Acid Side Chain. Journal of Organic Chemistry, 2015, 80, 4289-4298.	3.2	12
46	[60]Fullerene <scp>l</scp>-Amino Acids and Peptides: Synthesis under Phase-Transfer Catalysis Using a Phosphineâ€“Borane Linker. Electrochemical Behavior. Journal of Organic Chemistry, 2017, 82, 11358-11369.	3.2	11
47	Design of P-Chirogenic Aminophosphineâ€“Phosphinite Ligands at Both Phosphorus Centers: Origin of Enantioselectivities in Pd-Catalyzed Allylic Reactions. Journal of Organic Chemistry, 2020, 85, 14391-14410.	3.2	7
48	Designing P*-chirogenic Organophosphorus Compounds: from Ligands to Organocatalysts. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 600-611.	1.6	4
49	Designing Silylated <scp>l</scp>â€Amino Acids using a Wittig Strategy: Synthesis of Peptide Derivatives and ¹⁸Fâ€Labelling. European Journal of Organic Chemistry, 2017, 2017, 5399-5409.	2.4	4
50	P-Chirogenic Secondary Phosphine Oxides: New Stereoselective Synthesis and Applications. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 955-956.	1.6	3
51	Phospholylmethano P-chirogenic-phosphine-borane as P-(Î·2-BH3)-chelating ligands of rhodium (I): Synthesis, characterization and asymmetric hydrogenation. Journal of Organometallic Chemistry, 2021, 938, 121753.	1.8	3
52	Efficient Stereoselective Synthesis of Boron L-Amino Acid Derivatives Using Wittig and Borylation Reactions. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 953-954.	1.6	2
53	Efficient Stereoselective Synthesis of o-Functionalized P-Chirogenic Phosphines Applied to Asymmetric Catalysis. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 700-705.	1.6	2
54	Efficient Synthesis of Î²-Halogeno Protected L-Alanines and Their Î²-Phosphonium Derivatives.. ChemInform, 2003, 34, no.	0.0	0

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55	Phosphonium-Boronate Amino Acid Derivatives as Fluoride Pincers for ¹⁸F-Labelling. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 957-958.	1.6	0