

David S Glueck

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#	Paper	IF	Citations
96	Catalytic asymmetric synthesis of chiral phosphanes. <i>Chemistry - A European Journal</i> , 2008 , 14, 7108-17	4.8	195
95	Monomeric (pentamethylcyclopentadienyl)iridium imido compounds: synthesis, structure, and reactivity. <i>Journal of the American Chemical Society</i> , 1991 , 113, 2041-2054	16.4	182
94	Platinum-catalyzed asymmetric alkylation of secondary phosphines: enantioselective synthesis of p-stereogenic phosphines. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2788-9	16.4	146
93	Pt(Me-Duphos)-Catalyzed Asymmetric Hydrophosphination of Activated Olefins: Enantioselective Synthesis of Chiral Phosphines. <i>Organometallics</i> , 2000 , 19, 950-953	3.8	145
92	Recent Advances in Metal-Catalyzed C-B Bond Formation. <i>Topics in Organometallic Chemistry</i> , 2010 , 65-1006		137
91	Metal-Catalyzed Asymmetric Synthesis of P-Stereogenic Phosphines. <i>Synlett</i> , 2007 , 2007, 2627-2634	2.2	131
90	Palladium-catalyzed asymmetric phosphination. Scope, mechanism, and origin of enantioselectivity. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6847-58	16.4	117
89	Iridium alkoxide and amide hydride complexes. Synthesis, reactivity, and the mechanism of oxygen-hydrogen and nitrogen-hydrogen reductive elimination. <i>Organometallics</i> , 1991 , 10, 1462-1479	3.8	115
88	Palladium-catalyzed asymmetric phosphination: enantioselective synthesis of a p-chirogenic phosphine. <i>Journal of the American Chemical Society</i> , 2002 , 124, 13356-7	16.4	113
87	Platinum-Catalyzed Acrylonitrile Hydrophosphination via Olefin Insertion into a Pt-B Bond. <i>Journal of the American Chemical Society</i> , 1997 , 119, 5039-5040	16.4	108
86	A Protic Additive Suppresses Formation of Byproducts in Platinum-Catalyzed Hydrophosphination of Activated Olefins. Evidence for P-B and C-B Bond Formation by Michael Addition. <i>Organometallics</i> , 2005 , 24, 4871-4874	3.8	90
85	Synthesis, structure, and reactivity of a monomeric pentamethylcyclopentadienyliridium(III) imido complex. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2719-2721	16.4	89
84	Platinum-Catalyzed Acrylonitrile Hydrophosphination. P-B Bond Formation via Olefin Insertion into a Pt-B Bond. <i>Organometallics</i> , 1999 , 18, 5381-5394	3.8	86
83	Chiral Palladium(0) trans-Stilbene Complexes: Synthesis, Structure, and Oxidative Addition of Phenyl Iodide. <i>Organometallics</i> , 2005 , 24, 2730-2746	3.8	70
82	Enantioselective synthesis of P-stereogenic benzophospholanes via palladium-catalyzed intramolecular cyclization. <i>Organic Letters</i> , 2007 , 9, 1109-12	6.2	63
81	Palladium-Catalyzed Asymmetric Phosphination. Enantioselective Synthesis of PAMPBH ₃ , Ligand Effects on Catalysis, and Direct Observation of the Stereochemistry of Transmetalation and Reductive Elimination. <i>Organometallics</i> , 2003 , 22, 3205-3221	3.8	61
80	Phenylethynylstyrene-Cobalt Carbonyl Block Copolymer Composites. <i>Macromolecules</i> , 2004 , 37, 8967-8975	3.5	59

79	Platinum-catalyzed enantioselective tandem alkylation/arylation of primary phosphines. Asymmetric synthesis of P-stereogenic 1-phosphaacenaphthenes. <i>Organic Letters</i> , 2008 , 10, 4425-8	6.2	58
78	Platinum-Catalyzed Asymmetric Alkylation of a Secondary Phosphine: Mechanism and Origin of Enantioselectivity. <i>Organometallics</i> , 2007 , 26, 1788-1800	3.8	55
77	P=C and C=C Bond Formation by Michael Addition in Platinum-Catalyzed Hydrophosphination and in the Stoichiometric Reactions of Platinum Phosphido Complexes with Activated Alkenes. <i>Organometallics</i> , 2006 , 25, 5757-5767	3.8	55
76	The electrochromic properties of chemically deposited tungsten oxide films. <i>Solar Energy Materials and Solar Cells</i> , 1989 , 18, 127-141		54
75	Metal-catalyzed nucleophilic carbon-heteroatom (C-X) bond formation: the role of M-X intermediates. <i>Dalton Transactions</i> , 2008 , 5276-86	4.3	53
74	Stereochemistry of palladium-mediated synthesis of PAMP-BH3: retention of configuration at P in formation of Pd-P and P-C bonds. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1180-1	16.4	51
73	Synthesis and structure of intermediates in copper-catalyzed alkylation of diphenylphosphine. <i>Inorganic Chemistry</i> , 2010 , 49, 7650-62	5.1	50
72	Substrate and Catalyst Screening in Platinum-Catalyzed Asymmetric Alkylation of Bis(secondary) Phosphines. Synthesis of an Enantiomerically Pure C2-Symmetric Diphosphine. <i>Organometallics</i> , 2008 , 27, 4992-5001	3.8	50
71	Applications of 31P NMR spectroscopy in development of M(Duphos)-catalyzed asymmetric synthesis of P-stereogenic phosphines (M=Pt or Pd). <i>Coordination Chemistry Reviews</i> , 2008 , 252, 2171-2179	23.2	46
70	Study of metal-ligand multiple bonding in osmium and iridium imido complexes: evidence for the cyclopentadienyl-imido analogy. <i>Organometallics</i> , 1992 , 11, 4221-4225	3.8	44
69	Gold(I) phosphido complexes: synthesis, structure, and reactivity. <i>Inorganic Chemistry</i> , 2003 , 42, 8891-9011	5.1	43
68	Deprotonation of a Cp* methyl group by an iridium anilide: formation, structure, and solution dynamics of an η ⁵ -Cp*Me-4-tetramethylfulvene complex. <i>Organometallics</i> , 1990 , 9, 2862-2863	3.8	39
67	Terminal Platinum(II) Phosphido Complexes: Synthesis, Structure, and Thermochemistry. <i>Organometallics</i> , 1998 , 17, 652-660	3.8	38
66	Chirality Breeding via Asymmetric Phosphination. Palladium-Catalyzed Diastereoselective Synthesis of a P-Stereogenic Phosphine. <i>Organometallics</i> , 2006 , 25, 1742-1748	3.8	36
65	Chiral Terminal Platinum(II) Phosphido Complexes: Synthesis, Phosphorus Inversion, and Acrylonitrile Insertion. <i>Organometallics</i> , 1999 , 18, 5141-5151	3.8	35
64	Mechanism of ligand substitution in an iridium amide complex. <i>Organometallics</i> , 1991 , 10, 1479-1486	3.8	35
63	Synthesis and Reactivity of a Dimeric Platinum Phosphinidene Complex. <i>Inorganic Chemistry</i> , 1997 , 36, 5160-5164	5.1	34
62	Palladium(II) Terminal Phosphido Complexes Derived from Cyclometalated Dimesitylphosphine: Synthesis, Structure, and Low-Barrier Phosphorus Inversion. <i>Organometallics</i> , 2002 , 21, 3208-3214	3.8	33

61	Platinum-Catalyzed Asymmetric Alkylation of Bis(isitylphosphino)ethane: Stereoselectivity Reversal in Successive Formation of Two P-C bonds. <i>Organometallics</i> , 2010 , 29, 378-388	3.8	32
60	Alkyne-Functional Homopolymers and Block Copolymers through Nitroxide-Mediated Free Radical Polymerization of 4-(Phenylethynyl)styrene. <i>Macromolecules</i> , 2005 , 38, 2116-2121	5.5	32
59	Synthesis and Ligand Substitution Reactions of a Mesitylphosphido-Bridged Platinum(II) Dimer. <i>Inorganic Chemistry</i> , 1996 , 35, 1478-1485	5.1	32
58	Synthesis and structure of cyclic gold(I) phosphanyl complexes $[[Au(PR_2)]_n]$. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1046-8	16.4	31
57	Metal Complexes of Mesitylphosphine: Synthesis, Structure, and Spectroscopy. <i>Inorganic Chemistry</i> , 1996 , 35, 6708-6716	5.1	30
56	Regiochemistry of Platinum-Catalyzed Hydrophosphination of a Diene. Formation of the Chiral Diphosphine $Et_2PCH(CN)CH(CH_2CH_2CN)PEt_2$ via Monophosphine Intermediates. <i>Organometallics</i> , 2006 , 25, 536-539	3.8	29
55	Platinum(0) Complexes of Chiral Diphosphines: Enantioface-Selective Binding of trans-Stilbene. <i>Organometallics</i> , 1998 , 17, 1412-1419	3.8	29
54	Platinum(II) Phosphido Complexes as Metalloligands. Structural and Spectroscopic Consequences of Conversion from Terminal to Bridging Coordination. <i>Organometallics</i> , 2006 , 25, 3370-3378	3.8	27
53	Chiral Platinum Duphos Terminal Phosphido Complexes: Synthesis, Structure, Phosphido Transfer, and Ligand Behavior. <i>Organometallics</i> , 2006 , 25, 5435-5448	3.8	26
52	Synthesis, Structure, and Luminescence of Copper(I) Halide Complexes of Chiral Bis(phosphines). <i>Inorganic Chemistry</i> , 2017 , 56, 12809-12820	5.1	25
51	Synthesis and structure of ferrocenylmethylphosphines, their borane adducts, and some related derivatives. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2279-2289	2.3	23
50	Oxidative Addition of Dimesitylphosphine to Platinum(0): P-C vs P-C Activation. <i>Organometallics</i> , 1998 , 17, 125-127	3.8	23
49	Synthesis and properties of crown ether-alkali metal cation intercalation compounds of transition metal phosphorus sulfides, MPS_3 (M = manganese, cadmium, zinc). <i>Inorganic Chemistry</i> , 1993 , 32, 1893-1902	5.1	23
48	Palladium-Catalyzed Phosphaketene Decarbonylation: Diphosphaureylene Intermediates in Diphosphene Formation. <i>Organometallics</i> , 1997 , 16, 4768-4770	3.8	22
47	Synthesis and Structure of Dinuclear Palladium(II) Complexes with Bridging Hydrido and Phosphido Ligands. <i>Organometallics</i> , 2000 , 19, 3447-3454	3.8	22
46	Synthesis of gold phosphido complexes derived from bis(secondary) phosphines. structure of tetrameric $[Au(MesP(CH_2)_3PMes)Au]_4$. <i>Inorganic Chemistry</i> , 2010 , 49, 3950-7	5.1	21
45	Diastereoselective Palladium-Mediated Phosphetane Ring Opening and Pd-to-P Phenyl Migration. Synthesis of a New P-Stereogenic C2-Symmetric Diphosphine Ligand. <i>Organometallics</i> , 2004 , 23, 2228-2230	3.8	21
44	Hydrophosphination and Related Reactions 2001 , 143-170		21

43	Asymmetric Synthesis and Metal Complexes of a C3-Symmetric P-Stereogenic Triphosphine, (R)-MeSi(CH ₂ PMe(t-Bu)) ₃ (MT-Siliphos). <i>Organometallics</i> , 2012 , 31, 775-778	3.8	20
42	Synthesis, reactivity, and resolution of a C2-symmetric, P-stereogenic benzodiphosphetane, a building block for chiral bis(phosphines). <i>Organic Letters</i> , 2012 , 14, 4238-41	6.2	20
41	Effects of Linker Length on the Rate and Selectivity of Platinum-Catalyzed Asymmetric Alkylation of the Bis(isitylphosphino)alkanes IsHP(CH ₂) _n PHIs (Is = 2,4,6-(i-Pr) ₃ C ₆ H ₂ , n = 1B). <i>Organometallics</i> , 2010 , 29, 2465-2473	3.8	19
40	Synthesis and characterization of phosphido-monolayer-protected gold nanoclusters. <i>Langmuir</i> , 2004 , 20, 10379-81	4	19
39	Synthesis and structure of platinum and palladium complexes of dimesitylphosphine. <i>Polyhedron</i> , 2002 , 21, 2409-2419	2.7	19
38	Synthesis and Structure of a Cationic Diplatinum η -Alkylidene η -Hydride Complex. <i>Organometallics</i> , 1998 , 17, 574-578	3.8	19
37	Synthesis, structure and spectroscopic properties of 2,3-bis(diphenylphosphino)quinoxaline (dppQx) and its copper(I) complexes. <i>Inorganica Chimica Acta</i> , 2011 , 369, 55-61	2.7	18
36	Phosphaazaallene Dimerization and Phosphaallene Isomerization: Catalysis by Zerovalent Palladium and Platinum Complexes. <i>Organometallics</i> , 1997 , 16, 378-383	3.8	18
35	Cyclometalation of Dimesitylphosphine in Cationic Palladium(II) and Platinum(II) Complexes: P η vs C η Activation. <i>Organometallics</i> , 2000 , 19, 2882-2890	3.8	17
34	Terminal Platinum(II) Perfluoroacyl Phosphido Complexes: Synthesis and Dynamic Processes. <i>Organometallics</i> , 1999 , 18, 5130-5140	3.8	17
33	Metal-Catalyzed P-C Bond Formation via P-H Oxidative Addition: Fundamentals and Recent Advances. <i>Journal of Organic Chemistry</i> , 2020 , 85, 14276-14285	4.2	16
32	Chiral Bis(Phospholane) PCP Pincer Complexes: Synthesis, Structure, and Nickel-Catalyzed Asymmetric Phosphine Alkylation. <i>Organometallics</i> , 2018 , 37, 2159-2166	3.8	16
31	Rhodium-Mediated Stoichiometric P:C Bond Cleavage and Catalytic Isomerization in Phosphacumulenes. <i>Organometallics</i> , 1995 , 14, 17-19	3.8	16
30	Platinum-Mediated P:C Bond Cleavage in a Phosphaketene: Formation and Structure of the First Mononuclear Diphosphaureylene Complex. <i>Organometallics</i> , 1995 , 14, 4040-4042	3.8	16
29	Synthesis and Structure of Platinum Bis(phospholane) Complexes Pt(diphos*)(R)(X), Catalyst Precursors for Asymmetric Phosphine Alkylation. <i>Organometallics</i> , 2012 , 31, 6900-6910	3.8	15
28	Selectivity viacatalyst or substrate control in catalytic asymmetric transformations of bifunctional symmetrical substrates. <i>Catalysis Science and Technology</i> , 2011 , 1, 1099	5.5	15
27	Synthesis, Structure, and Deprotonation of a Mesitylphosphido-Bridged Cyclopentadienylnickel(II) Dimer. <i>Organometallics</i> , 1996 , 15, 2483-2488	3.8	15
26	Synthesis and Structure of Cyclic Gold(I) Phosphanyl Complexes [Au(PR ₂) _n]. <i>Angewandte Chemie</i> , 2003 , 115, 1076-1078	3.6	14

25	Photochemical Reactivity of Group 9 Metal Pinacolate Complexes. <i>Organometallics</i> , 2001 , 20, 2250-2261	3.8	14
24	Inversion of Configuration at the Phosphorus Nucleophile in the Diastereoselective and Enantioselective Synthesis of P-Stereogenic syn-Phosphiranes from Chiral Epoxides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5047-5051	16.4	13
23	Effect of Linker Length on Selectivity and Cooperative Reactivity in Platinum-Catalyzed Asymmetric Alkylation of Bis(phenylphosphino)alkanes. <i>ACS Catalysis</i> , 2016 , 6, 8106-8114	13.1	13
22	A versatile route to diastereomeric tungstenocene complexes containing chiral metal centers. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4838-4840	16.4	13
21	Rhodium-Catalyzed Isomerization of a Bis(secondary phosphine) to an Unsymmetrical Diphosphine via P-Cleavage and P-P and C-H Bond Formation. <i>Organometallics</i> , 2017 , 36, 3387-3397	3.8	12
20	Synthesis and Structure of Gold and Platinum Menthyl Complexes. <i>Organometallics</i> , 2011 , 30, 1812-1817	3.8	11
19	Synthesis and Structure of Dinuclear Diphosphine-Bridged Palladium(II) Complexes. <i>Organometallics</i> , 1999 , 18, 4673-4676	3.8	11
18	Catalytic Asymmetric Synthesis of P-Stereogenic Phosphines: Beyond Precious Metals. <i>Synlett</i> , 2021 , 32, 875-884	2.2	10
17	Synthesis, Structure, Dynamics, and Selective Methylation of Platinum and Palladium Diphosphametallacyclobutane Complexes. <i>Organometallics</i> , 2012 , 31, 5573-5585	3.8	9
16	Synthesis, Structure, and Reactivity of the First Phosphaazaallene-Metal Complex. <i>Organometallics</i> , 1995 , 14, 3603-3606	3.8	9
15	Synthesis, structure, and luminescence of the octahedral cluster $\text{Cu}_4\text{I}_4(\text{rac-IsMePCH}_2\text{PMels})_2(\text{Is}=\text{2,4,6-(i-Pr)}_3\text{C}_6\text{H}_2)$. <i>Inorganica Chimica Acta</i> , 2015 , 427, 168-172	2.7	8
14	Electrochemistry of $\text{P}(\text{CH}_2\text{Fc})_3$ and derivatives. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2259-2262	3.8	7
13	Synthesis, Structure, and Electrochemistry of an Electron-Rich Chiral Diaminoferrocene, (S,S)-Bis(2,5-dimethylpyrrolidinyl)ferrocene. <i>Organometallics</i> , 2005 , 24, 5184-5187	3.8	7
12	CopperPhosphido Intermediates in Cu(IPr)-Catalyzed Synthesis of 1-Phosphapyracenes via Tandem Alkylation/Arylation of Primary Phosphines. <i>Organometallics</i> , 2018 , 37, 1760-1772	3.8	7
11	Synthesis and Characterization of Gold Nanoparticles with Surface Ligands Derived from a Primary Phosphine. <i>Journal of Cluster Science</i> , 2008 , 19, 445-458	3	6
10	Oxidative addition of methylene chloride to Me-DuPhos complexes of palladium and rhodium. <i>Inorganica Chimica Acta</i> , 2018 , 483, 111-115	2.7	5
9	Selective formation of a C ₃ -symmetric P-stereogenic tris(phosphine) via platinum-catalyzed asymmetric alkylation of a tris(secondary phosphine). <i>Tetrahedron: Asymmetry</i> , 2015 , 26, 1459-1468		5
8	Diastereoselective Coordination of P-Stereogenic Secondary Phosphines in Copper(I) Chiral Bis(phosphine) Complexes: Structure, Dynamics, and Generation of Phosphido Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 8854-8865	5.1	4

- 7 Synthesis and Structure of Metal Complexes of P-Stereogenic Chiral Phosphiranes: An EDA-NOCV Analysis of the Donor/Acceptor Properties of Phosphirane Ligands. *Organometallics*, **2018**, 37, 1473-1482^{3.8} 4
- 6 Asymmetric Synthesis of P-Stereogenic Secondary Phosphine Oxides (SPOs). *Synthesis*, 2.9 4
- 5 Synthesis of a phosphapyracene via metal-mediated cyclization: structural and reactivity effects of acenaphthene precursors. *Dalton Transactions*, **2015**, 44, 9943-54 4.3 3
- 4 Diastereoselective Synthesis of P-Stereogenic Secondary Phosphine Oxides (SPOs) Bearing a Chiral Substituent by Ring Opening of (+)-Limonene Oxide with Primary Phosphido Nucleophiles. *Journal of Organic Chemistry*, **2020**, 85, 14516-14526 4.2 2
- 3 Inversion of Configuration at the Phosphorus Nucleophile in the Diastereoselective and Enantioselective Synthesis of P-Stereogenic syn-Phosphiranes from Chiral Epoxides. *Angewandte Chemie*, **2018**, 130, 5141-5145 3.6 0
- 2 Intramolecular attack on coordinated nitriles: metallacycle intermediates in catalytic hydration and beyond. *Dalton Transactions*, **2021**, 50, 15953-15960 4.3 0
- 1 Synthesis, Structure, Dynamics, and Enantioface-Selective β -Benzyl Coordination in the Chiral Rhodium Complexes Rh(diphos*)(β -CH₂Ph). *Organometallics*, **2020**, 39, 3802-3816 3.8