

# George G Stanley

## List of Publications by Year in descending order

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31  
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567281

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#	ARTICLE	IF	CITATIONS
1	Bimetallic Hydroformylation Catalysis: In Situ Characterization of a Dinuclear Rhodium(II) Dihydrido Complex with the Largest $^1\text{H}$ NMR Coupling Constant. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 2253-2256.	4.4	107
2	Highly active cationic cobalt(II) hydroformylation catalysts. <i>Science</i> , 2020, 367, 542-548.	12.6	100
3	The First Crystallographically Characterized Transition Metal Buckybowl Compound: $\text{C}_{30}\text{H}_{12}$ Carbon $\alpha$ Carbon Bond Activation by $\text{Pt}(\text{PPh}_3)_2$ . <i>Journal of the American Chemical Society</i> , 1998, 120, 835-836.	13.7	69
4	A new class of binucleating tetratertiaryphosphine ligands. The synthesis and crystallographic characterization of the chiral diastereomer of a rhodium(I) dimer: $\text{Rh}_2\text{Cl}_2(\text{CO})_2(\text{eLTP})_2$ (eLTP =) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6}$ 5585-5586.	13.7	54
5	Polar Phase Hydroformylation: The Dramatic Effect of Water on Mono- and Dirhodium Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 11180-11181.	13.7	50
6	A new type of transition-metal dimer based on a hexaphosphine ligand system: $\text{Co}_2(\text{CO})_4(\text{eHTP})_2^+$ (eHTP) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6}$	13.7	44
7	In Situ FT-IR Study on the Effect of Cobalt Precursors on CO Adsorption Behavior. <i>Journal of Physical Chemistry C</i> , 2011, 115, 990-998.	3.1	42
8	Synthesis of binucleating tetratertiary phosphine ligand system and the structural characterization of both meso and racemic diastereomers of {bis[(diethylphosphinoethyl)phenylphosphino]methane}tetrachlorodinickel. <i>Inorganic Chemistry</i> , 1989, 28, 1872-1878.	4.0	39
9	Bimetallic hydroformylation: a zwitterionic Rh <sup>I</sup> Rh <sup>I</sup> tetraphosphine ligand-based bimetallic complex exhibiting facile CO addition and phosphine ligand rearrangement equilibrium. <i>Chemical Communications</i> , 1996, , 2607.	4.1	35
10	Efficient Catalytic Enantioselective Reaction of a Glycine Cation Equivalent with Malonate Anions via Palladium Catalysis. <i>Journal of Organic Chemistry</i> , 1997, 62, 3962-3975.	3.2	35
11	A Monometallic Rh(III) Tetraphosphine Complex: Reductive Activation of $\text{CH}_2\text{Cl}_2$ and Selective Meso to Racemic Tetraphosphine Ligand Isomerization. <i>Inorganic Chemistry</i> , 2001, 40, 5192-5198.	4.0	32
12	Organic Acid Promoted Controlled Ring-Opening Polymerization of $\alpha$ -Amino Acid-Derived $\alpha$ -thiocarboxyanhydrides (NTAs) toward Well-defined Polypeptides. <i>ACS Macro Letters</i> , 2018, 7, 1272-1277.	4.8	26
13	Separating the Racemic and Meso Diastereomers of a Binucleating Tetraphosphine Ligand System through the Use of Nickel Chloride. <i>Inorganic Chemistry</i> , 2001, 40, 5036-5041.	4.0	21
14	A ligand-imposed cradle geometry for a dicobalt tetracarbonyl tetratertiary phosphine complex. <i>Inorganic Chemistry</i> , 1989, 28, 1206-1207.	4.0	17
15	Homogeneous Bimetallic Hydroformylation Catalysis. <i>Advances in Chemistry Series</i> , 1992, , 349-366.	0.6	17
16	Group VI open-mode dimers based on a binucleating hexaphosphine ligand system. Synthesis and conformational studies of fac, fac- $\text{M}_2(\text{CO})_6(\text{eHTP})$ (M = Cr, Mo, W; eHTP =) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13 8 Td ((Et)_2\text{PCH}_2\text{CH}_2\text{P}(\text{Et})_2)$	3.3	12
17	STRUCTURAL CHARACTERIZATION OF 1,2,4,5-TETRAPHENYLCYCLO-3,6-DICARBA-1,2,4,5-TETRAPHOSPHINE: A HIGHLY FOLDED CHAIR CONFORMATION. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1989, 42, 97-102.	1.6	12
18	Conformational studies and reduction chemistry of a bimetallic cobalt(I) carbonyl complex based on a binucleating hexakis(tertiary phosphine) ligand system. <i>Inorganic Chemistry</i> , 1990, 29, 3363-3371.	4.0	10

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19	Pyrolysis of Lignin in Gas-Phase Isothermal and cw-CO <sub>2</sub> Laser Powered Non-Isothermal Reactors. <i>Energy &amp; Fuels</i> , 2018, 32, 12597-12606.	5.1	10
20	A chiral mononuclear complex of eHTP. Structure and paramagnetically decoupled phosphorus-31 NMR of FeCl(CO)(.eta.4-eHTP)+ [eHTP = (Et <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> PCH <sub>2</sub> P(CH <sub>2</sub> CH <sub>2</sub> PEt <sub>2</sub> ) <sub>2</sub> ]. <i>Organometallics</i> , 1987, 6, 1370-1372.	2.3	9
21	Thermal and photochemical reactivity of group VI open-mode bimetallic complexes based on a binucleating hexaphosphine ligand system. Crystallographic characterization of a novel ditungsten heptacarbonyl pentaphosphine compound. <i>Inorganic Chemistry</i> , 1989, 28, 1878-1884.	4.0	8
22	The synthesis of heterobimetallic systems based on a hexatertiaryphosphine ligand system: cobalt-nickel and nickel-platinum complexes. <i>Polyhedron</i> , 1990, 9, 1317-1321.	2.2	6
23	Bimetallic Homogeneous Hydroformylation. <i>Topics in Organometallic Chemistry</i> , 2016, , 1-29.	0.7	6
24	A binuclear rhodium(I) complex with two tetraphosphine ligands at 100â€¦K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 546-548.	0.4	5
25	Effect of H <sub>2</sub> Preadsorption on CO Interactions with a Co/Re/Zr/SiO <sub>2</sub> -Based Catalyst: In Situ DRIFTS Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5394-5400.	3.1	5
26	Asymmetric hydroformylation by monometallic and bimetallic rhodium complexes. <i>Advances in Catalytic Processes</i> , 1998, , 221-243.	0.6	5
27	The unusual inhibition of a dirhodium tetraphosphine-based bimetallic hydroformylation catalyst by PPh <sub>3</sub> . <i>Comptes Rendus Chimie</i> , 2002, 5, 473-480.	0.5	4
28	Synthesis and Characterization of a New Binucleating Tetraphosphine Ligand Based on 1,2-Phenylene Chelates and the Structures of Dinickel Tetrachloride Complexes of the Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 10036-10038.	4.0	4
29	Dirhodium Tetraphosphine Catalysts. , 2005, , 225-248.		3
30	Improved synthesis of a trisphosphine ligand and crystallographic characterization of the ligand and nickel thiocyanate complex. <i>Polyhedron</i> , 2013, 58, 171-178.	2.2	3
31	The facile reaction of water with a bimetallic nickel tetrachloride tetraphosphine: A tale of two chelates. <i>Polyhedron</i> , 2019, 163, 178-189.	2.2	0