

Contents of Volume 688

Short communication

- Unusual behavior in the 308 nm flash photolysis of Vaska's complex
R.H. Schultz 1

Regular Papers

- Organotransition metal modified sugars: Part 27. Stereoselective radical spiro-cycloaddition reactions of Fischer carbene complexes
K.H. Dötz, E.G. da Silva 5
- Bonding, motional anisotropy, and metal atom dynamics of iron in two ferrocene substituted boron ring compounds
I. Nowik, M. Wagner, R.H. Herber 11
- Synthesis, molecular structure, and photoluminescence properties of palladium and platinum complexes containing phosphine sulfide-based SCS pincer ligand
T. Kanbara, T. Yamamoto 15
- Hybrid (Te, N) and (N, Te, N) ligands having pyrrolidine ring and their palladium(II) and mercury(II) complexes: synthesis and crystal structures
G. Singh, A.K. Singh, P. Sharma, J.E. Drake, M.B. Hursthouse, M.E. Light 20
- Polymer derived Si–C–B–N ceramics via hydroboration from borazine derivatives and trivinylcyclotrisilazane
Q.D. Nghiem, J.-K. Jeon, L.-Y. Hong, D.-P. Kim 27
- Further studies on Ni(0)-catalyzed cyclization of a branched 1,3-diene and tethered aldehyde via oxa-nickelacycle intermediate
Y. Sato, T. Takanashi, M. Hoshiba, M. Mori 36
- Arene complexation of Sm, Eu, Tm and Yb atoms: a variable temperature spectroscopic investigation
P.L. Arnold, M.A. Petrukhina, V.E. Bochenkov, T.I. Shabatina, V.V. Zagorskii, G.B. Sergeev, F.G.N. Cloke 49
- Synthesis and structure of an ether-bridged double ladder compound: potential in host–guest chemistry
J. Beckmann, D. Dakternieks, A. Duthie, F.S. Kuan, E.R.T. Tiekkink 56
- Pentacarbonyl(η^2 -vinylferrocene)metal(0) complexes of Group 6 elements: synthesis and characterization
S. Özkar, C. Kayran, N. Demir 62
- Reaction of pentacarbonyl(η^2 -bis(trimethylsilyl)ethyne)tungsten(0) with tricyclohexylphosphine: X-ray structure of pentacarbonyltricyclohexylphosphinetungsten(0)
O. Demircan, S. Özkar, D. Ülkü, L.T. Yıldırım 68
- Chiral ruthenium complexes with sulfur ligands; X-ray structure of (*R*)_{Ru}-Ru(NmCp)(CO)(PPh₃)SCN (NmCp = neomenthylcyclopenta-diienyl)
K. Tabatabaeian, P. Downing, H. Adams, B.E. Mann, C. White 75
- Degradation and modification of metallaboranes: Part 3. Reactions of the hexaborane(10) analogue *nido*-(PPh₃)₂(CO)OsB₅H₉ with bidentate phosphines containing a rigid backbone: formation of linked cluster systems
P. McQuade, R.E.K. Winter, L. Barton 82
- C₂-Symmetric ytterbium(II) complexes with a novel, chiral *P,N*-donor ligand
S. Blair, K. Izod, W. Clegg 92
- Structural dynamics and ligand mobility in carboxylate and dithiocarbamate complexes of Ru(II) containing 1,1'-bis(diphenylphosphino)-ferrocene (dppf)
X.L. Lu, S.Y. Ng, J.J. Vittal, G.K. Tan, L.Y. Goh, T.S.A. Hor 100
- Cyclometallated nitrogen heterocycles
J.W. Slater, J.P. Rourke 112

Ethylene-linked bis(phenol) ligands: efficient synthesis, Ti(IV) coordination chemistry, and Lewis acid catalysis J.W. Anthis, A.O. Larsen, P.S. White, M.R. Gagné	121
Efficient curing of polymethylsilane by borazine and reaction mechanism study F. Cao, X.-d. Li, D.-p. Kim	125
Indenyl nickel complexes: synthesis, characterization and styrene polymerization catalysis H. Sun, W. Li, X. Han, Q. Shen, Y. Zhang	132
Synthesis and enantiomeric resolution of ferrocenyl(alkyl)azoles A.A. Simenel, Y.V. Kuzmenko, E.A. Morozova, M.M. Ilyin, I.F. Gun'ko, L.V. Snegur	138
Synthesis and antimalarial activity in vitro of new heterobimetallic complexes: Rh and Au derivatives of chloroquine and a series of ferrocenyl-4-amino-7-chloroquinolines M.A.L. Blackie, P. Beagley, K. Chibale, C. Clarkson, J.R. Moss, P.J. Smith	144
Novel C_1 symmetric zirconocenes containing substituted indenyl moieties for the stereoregular polymerization of propylene J.J. Esteb, J.C.W. Chien, M.D. Rausch	153
Preparations of cobalt-containing phosphines and reactions toward dicobalt octacarbonyl F.-E. Hong, Y.-C. Lai, Y.-J. Ho, Y.-C. Chang	161
Photochemical C–Cl bond activation of trichloroarenes by the rhenium complex (η^5 -C ₅ Me ₅)Re(CO) ₃ . X-ray structure of <i>trans</i> -(η^5 -C ₅ Me ₅)Re(CO) ₂ (2-methoxy-4,5-dichlorophenyl)chloride A. Aballay, F. Godoy, G.E. Buono-Core, A.H. Klahn, B. Oelckers, M.T. Garland, J.C. Muñoz	168
A crystallographic and spectroscopic investigation of the stereochemistry of [MBr(CO) ₃ L ₂] (M = Mn, Re) complexes: crystal and molecular structures of [MBr(CO) ₃ L ₂] {M = Mn, L = P(C ₆ H ₄ Cl-4) ₃ , 1/2dppe, 1/2dpff; M = Re, L = P(C ₆ H ₄ OMe-4) ₃ , 1/2dpff} M.A. Beckett, D.S. Brassington, S.J. Coles, T. Gelbrich, M.E. Light, M.B. Hursthouse	174
Synthesis, characterization and reactivity of iron–olefin complexes of the type [CpFe(CO) ₂ (η^2 -CH ₂ =CHR)] ⁺ X [−] (Cp = η^5 -C ₅ H ₅ ; R = CH ₃ to <i>n</i> -C ₁₄ H ₂₉ ; X = PF ₆ or BF ₄) H.S. Clayton, J.R. Moss, M.E. Dry	181
Spin–spin interaction between phenoxyl radicals through σ – π system T. Iida, J. Ohshita, N. Ohta, K. Komaguchi, Y. Itagaki, M. Shiotani, A. Kunai	192
Synthesis and reactivity of a tethered diene cyclopentadiene, (C ₅ Me ₄ H)SiMe ₂ (CH ₂ CH=CHCH=CH ₂), and its alkali metal salts W.J. Evans, D.G. Giarikos, J.W. Ziller	200
Synthesis and spectroscopy of binuclear phosphine bridged palladium hydrides: Pd ₂ HX ₃ [dppm] ₂ (X = Br, I; dppm = bis[diphenylphosphino]-methane) R.U. Kirss, D.A. Forsyth, M.A. Plante	206
Reactivity of rhodium- β -diketonato cyclooctadiene derivatives with mono- and di-phosphines. Synthesis, structural and spectroscopic characterization of Rh(I) and Rh(III) species containing unsymmetrical β -diketonate and P-donor ligands C. Pettinari, F. Marchetti, R. Pettinari, A. Pizzabiocca, A. Drozdov, S.I. Troyanov, V. Vertlib	216
Half-sandwich ruthenium(II) complexes of aminophosphines: synthesis, structures and catalytic applications in C–C coupling reactions between styrenes and diphenyldiazomethane S. Priya, M.S. Balakrishna, S.M. Mobin, R. McDonald	227
Electrochemical behavior of the Cp*(dithiolato)Co(III) complex [(η^5 -Cp*)Co(1,2-S ₂ C ₂ B ₁₀ H ₁₀ -S,S')] ⁺ and its derivatives: the effect of the ligand on half-sandwich cobalt(III) complexes B.Y. Kim, C. Lee, S.W. Chung, Y.-J. Lee, J.Y. Pak, J. Ko, S.O. Kang	236
Binuclear alkylmetallane diiodiates ¹ Bu ₄ M ₂ (diol-(H)) ₂ (M = Al, Ga) and their reactions with aluminium- and gallium trialkyls W. Ziemkowska, M. Buzniak, S. Kwasniewska, K.B. Starowieyski, R. Anulewicz-Ostrowska	246
CH-Aktivierungsreaktionen an unverbrückten und verbrückten Zirconocenkomplexen zur Darstellung von Metallacyclen und deren Verwendung in der katalytischen Ethylenpolymerisation A.I. Licht, K.J. Schneider, H.G. Alt	254
Synthesis of tricarbonyl η^6 - and η^5 -[(3-thiophenyl)organo]chromium and -manganese complexes D. Prim, J. Giner Planas, A. Auffrant, F. Rose-Munch, E. Rose, J. Vaissermann	273

Notes

- Catalytic air oxidation of tertiary arylphosphines in the presence of tin(IV) iodide
W. Levason, R. Patel, G. Reid 280

- An improved synthesis of cyanohydrins in the presence of solid LiClO₄ under solvent-free conditions
N. Azizi, M.R. Saidi 283

Book review

- Clathrochelates: synthesis, structure and properties
G.J. Leigh 286

- Author Index of Volume 688 287
Subject Index of Volume 688 289
Contents of Volume 688 295