Subject Index of Volume 478

Ab-initio calculations

The insertion of acetylene into the palladium carbon bond of square planar Pd(II) complexes: a theoretical investigation (P. De Vaal and A. Dedieu), 121

Ab initio (calculations)

An all-electron and effective core potential study of the effects of electron correlation on the Group 7 complexes $[(C_6H_6)-X(CO)_3]^+$, with X = Mn, Tc, Re (P.C. Conlon and N.J. Fitzpatrick), 173

Ab initio calculations

Theoretical studies of inorganic and organometallic reaction mechanisms. 8. Hydrogen exchange in the β-agostic ethylene complex of cyclopentadienyl rhodium (Z. Lin, M.B. Hall, M.F. Guest and P. Sherwood), 197

Adsorption

A theoretical study of CO adsorption on TiO₂ (A. Fahmi and C. Minot), 67

Agostic interactions

Theoretical studies of inorganic and organometallic reaction mechanisms. 8. Hydrogen exchange in the β -agostic ethylene complex of cyclopentadienyl rhodium (Z. Lin, M.B. Hall, M.F. Guest and P. Sherwood), 197

Alkylidyno

Bent vs. linear metal alkylidynes. An electronic reason for bending the W≡C-H angle in tungsten alkylidynes (K.A. Jørgensen), 9

Alkyne insertion

The insertion of acetylene into the palladium carbon bond of square planar Pd(II) complexes: a theoretical investigation (P. De Vaal and A. Dedieu), 121

Bismuth

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire), 1

Boron

Cluster isomerization. The case of M_4B_4 metallaboranes (T.P. Fehlner), 49

Electronic structure and bonding in triple-decker complexes of Mn and Co with borole ligand(s). Photoelectron spectra and molecular orbital calculations (R. Gleiter, I. Hyla-Kryspin and G.E. Herberich), 95

Bridging ligand

Through-ring bonding in edge-sharing dimers of square planar complexes (G. Aullón, P. Alemany and S. Alvarez), 75

Bridging ligands

Metal-metal bonds in a Au₅ chain and other species (M.J. Calhorda and L.F. Veiros), 37

Bürgi-Dunitz trajectory study

The rearrangement pathway in [Cp₂Mo₂(CO)₄(RC≡C-CR₂)]⁺ cations: an extended Hückel molecular orbital and Bürgi-

Dunitz trajectory study (L. Girard, P.E. Lock, H. El Amouri and M.J. McGlinchey), 189

Carbonyl

A theoretical study of CO adsorption on TiO₂ (A. Fahmi and C. Minot). 67

An analysis of the metal-metal bonding in organodirhenium complexes containing Re-Re double bonds (T.A. Barckholtz, B.E. Bursten, G.P. Niccolai and C.P. Casey), 153

Geometric features of d⁴ metal dicarbonyl monomers with *cis-m*-donor ligands (J.L. Templeton, J.L. Caldarelli, S. Feng, C.C. Philipp, M.B. Wells, B.E. Woodworth and P.S. White), 103

Solid-state studies into the possible rearrangement mechanisms for the fluxional behaviour of the tetranuclear carbonyls M₄(CO)₁₂ and their derivatives (B.F.G. Johnson, Y.V. Roberts, E. Parisini and R.E. Benfield), 21

The mathematical modelling of ligand arrangements in metal carbonyl clusters. I. Sixteen, seventeen, and eighteen coordination for octahedral metal clusters (B.W. Clare, M.C. Favas, D.L. Kepert, A.S. May and N.R. Taylor), 111

Chalcogens

Possibility of bond stretch isomerism in $[Cp(CO)_2M]_2(\mu-E)$ complexes (M = Mn, Re, Cr and W; E = S, Se and Te); a molecular orbital study (E.D. Jemmis, P.N.V.P. Kumar and G.N. Sastry), 29

Chromium

Possibility of bond stretch isomerism in [Cp(CO)₂M]₂(µ-E) complexes (M = Mn, Re, Cr and W; E = S, Se and Te); a molecular orbital study (E.D. Jemmis, P.N.V.P. Kumar and G.N. Sastry), 29

Cluster

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire), 1

Metal cluster topology. XV. Rafting from the triangle to the octahedron in osmium carbonyl cluster chemistry (R.B. King),

The mathematical modelling of ligand arrangements in metal carbonyl clusters. I. Sixteen, seventeen, and eighteen coordination for octahedral metal clusters (B.W. Clare, M.C. Favas, D.L. Kepert, A.S. May and N.R. Taylor), 111

Cobalt

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire) 1

Cluster isomerization. The case of M₄B₄ metallaboranes (T.P. Fehlner), 49

Electronic structure and bonding in triple-decker complexes of Mn and Co with borole ligand(s). Photoelectron spectra and molecular orbital calculations (R. Gleiter, I. Hyla-Kryspin and G.E. Herberich), 95

Cone angles

Solid angles I. The radial profile (D. White, B.C. Tavener, P.G.L. Leach and N.J. Coville), 205

Crystal structure

Solid-state studies into the possible rearrangement mechanisms for the fluxional behaviour of the tetranuclear carbonyls M₄(CO)₁₂ and their derivatives (B.F.G. Johnson, Y.V. Roberts, E. Parisini and R.E. Benfield), 21

Cyclopentadienyl

Molecular mechanics modelling of triarylphosphine and phenyl rotation in the compound η^5 -Cp*RhBr[P(p-tolyl)₃]Ph (Cp* = C₅Me₅) (J. Polowin and M.C. Baird), 45

Density fluctional theory

The effects of back-bonding to phosphines on the *trans* influence in $[Mo(NH)Cl_3(PR_3)_2]^{0.\pm 1}$ (R = H, Me and F) (P.D. Lyne and D.M.P. Mingos), 141

Density functional theory

A density functional study on σ -bond metathesis reactions of possible importance in dehydrogenative silane polymerization (T. Ziegler and E. Folga), 57

EHMO calculations

A pictorial MO description of Buckminsterfullerene and its interactions with transition metal fragments (J.A. López and C. Mealli), 161

Mono-, di- and tri-metallic complexes of trimethylenemethane: an EHMO study of the TMM rotational barrier (L. Girard, M.C. Baird, M.J. Chetcuti and M.J. McGlinchey), 179

Electron correlation

An all-electron and effective core potential study of the effects of electron correlation on the Group 7 complexes $[(C_6H_6)-X(CO)_3]^+$, with X = Mn, Tc, Re (P.C. Conlon and N.J. Fitzpatrick), 173

Electronic

Bent vs. linear metal alkylidynes. An electronic reason for bending the W≡C-H angle in tungsten alkylidynes (K.A. Jørgensen), 9

Electronic structure

Electronic structure of exohedral interactions between C_{60} and transition metals (D.L. Lichtenberger, L.L. Wright, N.E. Gruhn and M.E. Rempe), 213

Extended Huckel calculations

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire), 1

Extended Hückel calculations

Geometric features of d⁴ metal dicarbonyl monomers with cis-m-donor ligands (J.L. Templeton, J.L. Caldarelli, S. Feng, C.C. Philipp, M.B. Wells, B.E. Woodworth and P.S. White), 103

Metal-metal bonds in a Au₅ chain and other species (M.J. Calhorda and L.F. Veiros), 37

Through-ring bonding in edge-sharing dimers of square planar complexes (G. Aullón, P. Alemany and S. Alvarez), 75

Extended Hückel theory

The rearrangement pathway in [Cp₂Mo₂(CO)₄(RC≡C-CR₂)]⁺ cations: an extended Hückel molecular orbital and Bürgi-Dunitz trajectory study (L. Girard, P.E. Lock, H. El Amouri and M.J. McGlinchey), 189

Fluxionality

Solid-state studies into the possible rearrangement mechanisms for the fluxional behaviour of the tetranuclear carbonyls

M₄(CO)₁₂ and their derivatives (B.F.G. Johnson, Y.V. Roberts, E. Parisini and R.E. Benfield), 21

Fullerene

A pictorial MO description of Buckminsterfullerene and its interactions with transition metal fragments (J.A. López and C. Mealli), 161

Fullerenes

Electronic structure of exohedral interactions between C₆₀ and transition metals (D.L. Lichtenberger, L.L. Wright, N.E. Gruhn and M.E. Rempe), 213

Gold

Metal-metal bonds in a Au₅ chain and other species (M.J. Calhorda and L.F. Veiros), 37

Group 8

The mathematical modelling of ligand arrangements in metal carbonyl clusters. I. Sixteen, seventeen, and eighteen coordination for octahedral metal clusters (B.W. Clare, M.C. Favas, D.L. Kepert, A.S. May and N.R. Taylor), 111

Group 9

The mathematical modelling of ligand arrangements in metal carbonyl clusters. I. Sixteen, seventeen, and eighteen coordination for octahedral metal clusters (B.W. Clare, M.C. Favas, D.L. Kepert, A.S. May and N.R. Taylor), 111

Heterobimetallics

An analysis of the metal-metal bonding in organodirhenium complexes containing Re-Re double bonds (T.A. Barckholtz, B.E. Bursten, G.P. Niccolai and C.P. Casey), 153

Hydride

Halide ligand effects on olefin insertion into metal-hydrogen bonds for second row transition metal complexes (P.E.M. Siegbahn), 83

Hydrides

Theoretical studies of inorganic and organometallic reaction mechanisms. 8. Hydrogen exchange in the β -agostic ethylene complex of cyclopentadienyl rhodium (Z. Lin, M.B. Hall, M.F. Guest and P. Sherwood), 197

Hydroxide

An analysis of the metal-metal bonding in organodirhenium complexes containing Re-Re double bonds (T.A. Barckholtz, B.E. Bursten, G.P. Niccolai and C.P. Casey), 153

Hypercoordination

Valence bond studies of CLi₅ and CLi₆ (R.D. Harcourt), 131

Imido complexes

The effects of back-bonding to phosphines on the *trans* influence in [Mo(NH)Cl₃(PR₃)₂]^{0,±1} (R = H, Me and F) (P.D. Lyne and D.M.P. Mingos), 141

Increased-valence

Valence bond studies of CLi₅ and CLi₆ (R.D. Harcourt), 131 Iridium

Solid-state studies into the possible rearrangement mechanisms for the fluxional behaviour of the tetranuclear carbonyls M₄(CO)₁₂ and their derivatives (B.F.G. Johnson, Y.V. Roberts, E. Parisini and R.E. Benfield), 21

Iron

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire), 1

Cluster isomerization. The case of M_4B_4 metallaboranes (T.P. Fehlner), 49

Mono-, di- and tri-metallic complexes of trimethylenemethane: an EHMO study of the TMM rotational barrier (L. Girard, M.C. Baird, M.J. Chetcuti and M.J. McGlinchey). 179

Ligand size

Solid angles I. The radial profile (D. White, B.C. Tavener, P.G.L. Leach and N.J. Coville), 205

Lithium

Valence bond studies of CLi₅ and CLi₆ (R.D. Harcourt), 131

Manganese

An all-electron and effective core potential study of the effects of electron correlation on the Group 7 complexes $[(C_6H_6)-X(CO)_3]^+$, with X = Mn, Tc, Re (P.C. Conlon and N.J. Fitzpatrick), 173

Electronic structure and bonding in triple-decker complexes of Mn and Co with borole ligand(s). Photoelectron spectra and molecular orbital calculations (R. Gleiter, I. Hyla-Kryspin and G.E. Herberich), 95

Possibility of bond stretch isomerism in [Cp(CO)₂M]₂(μ -E) complexes (M = Mn, Re, Cr and W; E = S, Se and Te); a molecular orbital study (E.D. Jemmis, P.N.V.P. Kumar and G.N. Sastry), 29

Metal complex

A pictorial MO description of Buckminsterfullerene and its interactions with transition metal fragments (J.A. López and C. Mealli), 161

Metallaborane

Cluster isomerization. The case of M₄B₄ metallaboranes (T.P. Fehlner), 49

Metal-metal bonding

An analysis of the metal-metal bonding in organodirhenium complexes containing Re-Re double bonds (T.A. Barckholtz, B.E. Bursten, G.P. Niccolai and C.P. Casey), 153

Metal-metal bonds

Metal-metal bonds in a Au₅ chain and other species (M.J. Calhorda and L.F. Veiros), 37

Metal oxide

A theoretical study of CO adsorption on TiO₂ (A. Fahmi and C. Minot), 67

Metathesis reaction

A density functional study on σ -bond metathesis reactions of possible importance in dehydrogenative silane polymerization (T. Ziegler and E. Folga), 57

MMX

Molecular mechanics modelling of triarylphosphine and phenyl rotation in the compound η^5 -Cp*RhBr[P(p-tolyl)₃]Ph (Cp* = C₅Me₅) (J. Polowin and M.C. Baird), 45

Molecular mechanics

Molecular mechanics modelling of triarylphosphine and phenyl rotation in the compound η^5 -Cp*RhBr[P(p-tolyl)₃]Ph (Cp* = C₅Me₅) (J. Polowin and M.C. Baird), 45

The mathematical modelling of ligand arrangements in metal carbonyl clusters. I. Sixteen, seventeen, and eighteen coordination for octahedral metal clusters (B.W. Clare, M.C. Favas, D.L. Kepert, A.S. May and N.R. Taylor), 111

Molecular orbital

Electronic structure of exohedral interactions between C_{60} and transition metals (D.L. Lichtenberger, L.L. Wright, N.E. Gruhn and M.E. Rempe), 213

Molecular orbital calculations

A theoretical study of CO adsorption on TiO₂ (A. Fahmi and C. Minot), 67

- An all-electron and effective core potential study of the effects of electron correlation on the Group 7 complexes $[(C_6H_6)-X(CO)_3]^+$, with X = Mn, Tc, Re (P.C. Conlon and N.J. Fitzpatrick), 173
- An analysis of the metal-metal bonding in organodirhenium complexes containing Re-Re double bonds (T.A. Barckholtz, B.E. Bursten, G.P. Niccolai and C.P. Casev), 153
- Cluster isomerization. The case of M_4B_4 metallaboranes (T.P. Fehlner), 49
- Electronic structure and bonding in triple-decker complexes of Mn and Co with borole ligand(s). Photoelectron spectra and molecular orbital calculations (R. Gleiter, I. Hyla-Kryspin and G.E. Herberich), 95
- Geometric features of d⁴ metal dicarbonyl monomers with cis-radonor ligands (J.L. Templeton, J.L. Caldarelli, S. Feng, C.C. Philipp, M.B. Wells, B.E. Woodworth and P.S. White), 103
- Halide ligand effects on olefin insertion into metal-hydrogen bonds for second row transition metal complexes (P.E.M. Siegbahn), 83
- Possibility of bond stretch isomerism in [Cp(CO)₂M]₂(μ -E) complexes (M = Mn, Re, Cr and W; E = S, Se and Te); a molecular orbital study (E.D. Jemmis, P.N.V.P. Kumar and G.N. Sastry), 29
- The effects of back-bonding to phosphines on the *trans* influence in [Mo(NH)Cl₃(PR₃)₂]^{0,±1} (R = H, Me and F) (P.D. Lyne and D.M.P. Mingos), 141
- Through-ring bonding in edge-sharing dimers of square planar complexes (G. Aullón, P. Alemany and S. Alvarez), 75

Molybdenum

Solid-state studies into the possible rearrangement mechanisms for the fluxional behaviour of the tetranuclear carbonyls M₄(CO)₁₂ and their derivatives (B.F.G. Johnson, Y.V. Roberts, E. Parisini and R.E. Benfield), 21

The effects of back-bonding to phosphines on the *trans* influence in [Mo(NH)Cl₃(PR₃)₂]^{0,±1} (R = H, Me and F) (P.D. Lyne and D.M.P. Mingos), 141

The mathematical modelling of ligand arrangements in metal carbonyl clusters. I. Sixteen, seventeen, and eighteen coordination for octahedral metal clusters (B.W. Clare, M.C. Favas, D.L. Kepert, A.S. May and N.R. Taylor), 111

Molybdenum clusters

The rearrangement pathway in [Cp₂Mo₂(CO)₄(RC≡C-CR₂)]⁺ cations: an extended Hückel molecular orbital and Bürgi-Dunitz trajectory study (L. Girard, P.E. Lock, H. El Amouri and M.J. McGlinchey), 189

Nickel

Cluster isomerization. The case of M₄B₄ metallaboranes (T.P. Fehlner), 49

Mono-, di- and tri-metallic complexes of trimethylenemethane: an EHMO study of the TMM rotational barrier (L. Girard, M.C. Baird, M.J. Chetcuti and M.J. McGlinchey), 179

Olefin insertion

Halide ligand effects on olefin insertion into metal-hydrogen bonds for second row transition metal complexes (P.E.M. Siegbahn), 83

Osmium

Metal cluster topology. XV. Rafting from the triangle to the octahedron in osmium carbonyl cluster chemistry (R.B. King), 13

Palladium

Electronic structure of exohedral interactions between C_{60} and transition metals (D.L. Lichtenberger, L.L. Wright, N.E. Gruhn and M.E. Rempe), 213

The insertion of acetylene into the palladium carbon bond of square planar Pd(II) complexes: a theoretical investigation (P. De Vaal and A. Dedieu), 121

Phenyl rotation

Molecular mechanics modelling of triarylphosphine and phenyl rotation in the compound η^5 -Cp*RhBr[P(p-tolyl)₃]Ph (Cp* = C₅Me₅) (J. Polowin and M.C. Baird), 45

Phosphine

The effects of back-bonding to phosphines on the *trans* influence in [Mo(NH)Cl₃(PR₃)₂]^{0,±1} (R = H, Me and F) (P.D. Lyne and D.M.P. Mingos), 141

Phosphine rotation

Molecular mechanics modelling of triarylphosphine and phenyl rotation in the compound η^5 -Cp*RhBr[P(p-tolyl)₃]Ph (Cp* = C₅Me₅) (J. Polowin and M.C. Baird), 45

Photoelectron spectroscopy

Electronic structure and bonding in triple-decker complexes of Mn and Co with borole ligand(s). Photoelectron spectra and molecular orbital calculations (R. Gleiter, I. Hyla-Kryspin and G.E. Herberich), 95

Platinum

Metal cluster topology. XV. Rafting from the triangle to the octahedron in osmium carbonyl cluster chemistry (R.B. King), 13

Through-ring bonding in edge-sharing dimers of square planar complexes (G. Aullón, P. Alemany and S. Alvarez), 75

Polymerization

A density functional study on σ -bond metathesis reactions of possible importance in dehydrogenative silane polymerization (T. Ziegler and E. Folga), 57

Qualitative MO theory

A pictorial MO description of Buckminsterfullerene and its interactions with transition metal fragments (J.A. López and C. Mealli), 161

Radial profile

Solid angles I. The radial profile (D. White, B.C. Tavener, P.G.L. Leach and N.J. Coville), 205

Rearrangements

The rearrangement pathway in [Cp₂Mo₂(CO)₄(RC≡C-CR₂)]⁺ cations: an extended Hückel molecular orbital and Bürgi-Dunitz trajectory study (L. Girard, P.E. Lock, H. El Amouri and M.J. McGlinchey), 189

Rhenium

An all-electron and effective core potential study of the effects of electron correlation on the Group 7 complexes $[(C_6H_6)-X(CO)_3]^+$, with X = Mn, Tc, Re (P.C. Conlon and N.J. Fitzpatrick), 173

An analysis of the metal-metal bonding in organodirhenium complexes containing Re-Re double bonds (T.A. Barckholtz, B.E. Bursten, G.P. Niccolai and C.P. Casey), 153

Possibility of bond stretch isomerism in $[Cp(CO)_2M]_2(\mu-E)$ complexes (M = Mn, Re, Cr and W; E = S, Se and Te); a molecular orbital study (E.D. Jemmis, P.N.V.P. Kumar and G.N. Sastry), 29

Rhodium

Molecular mechanics modelling of triarylphosphine and phenyl rotation in the compound η^5 -Cp*RhBr[P(p-tolyl)₃]Ph (Cp* = C₅Me₅) (J. Polowin and M.C. Baird), 45

Solid-state studies into the possible rearrangement mechanisms for the fluxional behaviour of the tetranuclear carbonyls M₄(CO)₁₂ and their derivatives (B.F.G. Johnson, Y.V. Roberts, E. Parisini and R.E. Benfield), 21

Theoretical studies of inorganic and organometallic reaction mechanisms. 8. Hydrogen exchange in the β -agostic ethylene complex of cyclopentadienyl rhodium (Z. Lin, M.B. Hall, M.F. Guest and P. Sherwood), 197

Through-ring bonding in edge-sharing dimers of square planar complexes (G. Aullón, P. Alemany and S. Alvarez), 75

Ruthenium

Mono-, di- and tri-metallic complexes of trimethylenemethane: an EHMO study of the TMM rotational barrier (L. Girard, M.C. Baird, M.J. Chetcuti and M.J. McGlinchey), 179

Scandium

A density functional study on σ -bond metathesis reactions of possible importance in dehydrogenative silane polymerization (T. Ziegler and E. Folga), 57

Selenium

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire), 1

Silane

A density functional study on σ-bond metathesis reactions of possible importance in dehydrogenative silane polymerization (T. Ziegler and E. Folga), 57

Silver

Electronic structure of exohedral interactions between C₆₀ and transition metals (D.L. Lichtenberger, L.L. Wright, N.E. Gruhn and M.E. Rempe), 213

Solid angles

Solid angles I. The radial profile (D. White, B.C. Tavener, P.G.L. Leach and N.J. Coville), 205

Square planar

Through-ring bonding in edge-sharing dimers of square planar complexes (G. Aullón, P. Alemany and S. Alvarez), 75

Stereochemistry

The insertion of acetylene into the palladium carbon bond of square planar Pd(II) complexes: a theoretical investigation (P. De Vaal and A. Dedieu), 121

Steric measurement

Solid angles I. The radial profile (D. White, B.C. Tavener, P.G.L. Leach and N.J. Coville), 205

Surface

A theoretical study of CO adsorption on TiO₂ (A. Fahmi and C. Minot), 67

Technetium

An all-electron and effective core potential study of the effects of electron correlation on the Group 7 complexes $[(C_6H_6)-X(CO)_3]^+$, with X = Mn, Tc, Re (P.C. Conlon and N.J. Fitzpatrick), 173

Tellurium

Bonding analysis of electron-rich bridged mixed maingroup/transition metal tetrahedral M₂E₂ organometallic clusters (S. Kahlal, J.-F. Halet, J.-Y. Saillard and K.H. Whitmire). 1

Titanium

A theoretical study of CO adsorption on TiO₂ (A. Fahmi and C. Minot), 67

Topology

Metal cluster topology. XV. Rafting from the triangle to the octahedron in osmium carbonyl cluster chemistry (R.B. King), 13

Trans-influence

The effects of back-bonding to phosphines on the *trans* influence in [Mo(NH)Cl₃(PR₃)₂]^{0.±1} (R = H, Me and F) (P.D. Lyne and D.M.P. Mingos), 141

Transition metals

Electronic structure of exohedral interactions between C_{60} and transition metals (D.L. Lichtenberger, L.L. Wright, N.E. Gruhn and M.E. Rempe), 213

Transition metals general

Halide ligand effects on olefin insertion into metal-hydrogen bonds for second row transition metal complexes (P.E.M. Siegbahn), 83

Trimethylenemethane

Mono-, di- and tri-metallic complexes of trimethylenemethane: an EHMO study of the TMM rotational barrier (L. Girard, M.C. Baird, M.J. Chetcuti and M.J. McGlinchey), 179

Triple-decker complexes

Electronic structure and bonding in triple-decker complexes of Mn and Co with borole ligand(s). Photoelectron spectra and molecular orbital calculations (R. Gleiter, I. Hyla-Kryspin and G.E. Herberich), 95

Tungsten

Bent vs. linear metal alkylidynes. An electronic reason for bending the W≡C-H angle in tungsten alkylidynes (K.A. Jørgensen), 9

Geometric features of d⁴ metal dicarbonyl monomers with cis-m-donor ligands (J.L. Templeton, J.L. Caldarelli, S. Feng, C.C. Philipp, M.B. Wells, B.E. Woodworth and P.S. White), 103

Mono-, di- and tri-metallic complexes of trimethylenemethane: an EHMO study of the TMM rotational barrier (L. Girard, M.C. Baird, M.J. Chetcuti and M.J. McGlinchey), 179

Possibility of bond stretch isomerism in $[Cp(CO)_2M]_2(\mu-E)$ complexes (M = Mn, Re, Cr and W; E = S, Se and Te); a molecular orbital study (E.D. Jemmis, P.N.V.P. Kumar and G.N. Sastry), 29

Valence bond calculations

Valence bond studies of CLi₅ and CLi₆ (R.D. Harcourt), 131