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Azacymantrene, CO substitution in and reactions of ( $\eta^5$ -C<sub>4</sub>H<sub>4</sub>N)Mn(CO)<sub>2</sub>PPh<sub>3</sub> with electrophiles; X-ray crystal structure of  $[(\text{PPh}_3)(\text{CO})_2\text{Mn}(\eta^5\text{-C}_4\text{H}_4\text{N})]_2\text{-PdCl}_2$  (N.I. Pyshnograeva, A.S. Batsanov, Yu.T. Struchkov, A.G. Ginzburg, V.N. Setkina), 69

Organometallic solids, *J* coupling to tin observed in high resolution CPMAD <sup>13</sup>C NMR of (W.F. Manders, T.P. Lockhart), 143

## Titanium

(C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>TiCl(PMe<sub>3</sub>)(CO) (M = Ti, Zr, Hf), (C<sub>9</sub>H<sub>7</sub>)<sub>2</sub>Ti(PMe<sub>3</sub>)(CO) and (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>TiCl(PMe<sub>3</sub>), structural and spectroscopic comparison of; X-ray structures of (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>Ti(PMe<sub>3</sub>)(CO) and (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>TiCl(PMe<sub>3</sub>) (L.B. Kool, M.D. Rausch, H.G. Alt, M. Herberhold, B. Wolf, U. The-walt), 159

Cyclopentadienyldichlorotitanium radical photogenerated from (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>TiCl<sub>2</sub>, mechanism of oxidative addition of quinones to (A. Vlček, Jr.), 43

Heterometallic dinuclear complexes prepared from the tripledecker sandwich complex [Ni<sub>2</sub>(C<sub>5</sub>H<sub>4</sub>R)<sub>3</sub>]BF<sub>4</sub> and cyclopentadienylmetal bis(thiolates); crystal structure of [(C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>Mo(μ-SBu<sup>t</sup>)<sub>2</sub>Ni-(C<sub>5</sub>H<sub>4</sub>R)]BF<sub>4</sub> (R = H, Me) (H. Werner, B. Ulrich, U. Schubert, P. Hofmann, B. Zimmer-Gasser), 27

Oxo-titanium and -zirconium diphosphines, [(η-C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>M(CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]O (M = Ti, Zr), as building blocks for heterobimetallic complexes (F. Senocq, M. Basso-Bert, R. Choukroun, D. Gervais), 155

Pentamethylcyclopentadienyl-titanium, -zirconium and -hafnium cyclohepta-trienyl and cyclooctatetraenyl complexes, synthesis of (J. Blenkins, P. Bruin, J.H. Teuben), 61

Titanocene-tolane complex, reactions with carbonyl compounds of; synthesis of titanadihydrofuran metallacycles (V.B. Shur, V.V. Burlakov, A.I. Yanovsky, P.V. Petrovsky, Yu.T. Struchkov, M.E. Vol'pin), 51

## Vanadium

Heterometallic dinuclear complexes prepared from the tripledecker sandwich complex [Ni<sub>2</sub>(C<sub>5</sub>H<sub>4</sub>R)<sub>3</sub>]BF<sub>4</sub> and cyclopentadienylmetal bis(thiolates); crystal structure of [(C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>Mo(μ-SBu<sup>t</sup>)<sub>2</sub>Ni-(C<sub>5</sub>H<sub>4</sub>R)]BF<sub>4</sub> (R = H, Me) (H. Werner, B. Ulrich, U. Schubert, P. Hofmann, B. Zimmer-Gasser), 27

Oxovanadium complexes coordinated to *fac*-tridentate organometallic ligand; role in oxidative catalysis of; X-ray crystal structure of [η-C<sub>5</sub>H<sub>5</sub>Co {P(O)-(OC<sub>2</sub>H<sub>5</sub>)<sub>2</sub>]<sub>3</sub>VO(acac)] (E. Roman, F. Tapia, M. Barrera, M.-T. Garland, J.-Y. Le Marouille, C. Giannotti), C8

## Zinc

Azacymantrene, CO substitution in and reactions of (η<sup>5</sup>-C<sub>4</sub>H<sub>8</sub>N)Mn(CO)<sub>2</sub>PPh<sub>3</sub> with electrophiles; X-ray crystal structure of [(PPh<sub>3</sub>)(CO)<sub>2</sub>Mn(η<sup>5</sup>-C<sub>4</sub>H<sub>8</sub>N)]<sub>2</sub>-PdCl<sub>2</sub> (N.I. Pysnograeva, A.S. Batsanov, Yu.T. Struchkov, A.G. Ginzburg, V.N. Setkina), 69

## Zirconium

(C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>ZrCl(PMe<sub>3</sub>)(CO) (M = Ti, Zr, Hf), (C<sub>9</sub>H<sub>7</sub>)<sub>2</sub>Zr(PMe<sub>3</sub>)(CO) and (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>ZrCl(PMe<sub>3</sub>), structural and spectroscopic comparison of; X-ray structures of (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>Zr(PMe<sub>3</sub>)(CO) and (C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>ZrCl(PMe<sub>3</sub>) (L.B. Kool, M.D. Rausch, H.G. Alt, M. Herberhold, B. Wolf, U. The-walt), 159

Oxo-titanium and -zirconium diphosphines, [(η-C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>M(CH<sub>2</sub>PPh<sub>2</sub>)<sub>2</sub>]O (M = Ti, Zr), as building blocks for heterobimetallic complexes (F. Senocq, M. Basso-Bert, R. Choukroun, D. Gervais), 155

Pentamethylcyclopentadienyl-titanium, -zirconium and -hafnium cyclohepta-trienyl and cyclooctatetraenyl complexes, synthesis of (J. Blenkins, P. Bruin, J.H. Teuben), 61

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