



ELSEVIER

Journal of Organometallic Chemistry 637–639 (2001) 869–875

**Journal
of Organo-
metallic
Chemistry**

www.elsevier.com/locate/jorganchem

Contents of Volumes 637–639

Foreword

R.D. Adams	1
----------------------	---

Personal recollections

Ferrocene—how it all began P.L. Pauson	3
How metallocene chemistry and research began in Munich E.O. Fischer, R. Jira	7
The early ferrocene days—a personal recollection M. Rosenblum	13
Recollections of the arrival of ferrocene M.C. Whiting	16
Cyclopentadienyl–metal chemistry in the Wilkinson Group, Harvard, 1952–1955 F.A. Cotton	18

Reviews

Studies on the cyclometallation of ferrocenylimines Y. Wu, S. Huo, J. Gong, X. Cui, L. Ding, K. Ding, C. Du, Y. Liu, M. Song	27
Ferrocene polymers: current architectures, syntheses and utility R.D.A. Hudson	47

Communications

The reaction of ferrocenyl acetylene with $[\text{RuCp}(\text{PR}_3)(\text{CH}_3\text{CN})_2]\text{PF}_6$ ($\text{R} = \text{Me, Ph, Cy}$). Formation of the first allenyl carbene complexes E. Rüba, K. Mereiter, R. Schmid, K. Kirchner, H. Schottenberger	70
Structural characterization and complexation behavior of ferrocene bearing dipeptide chain (-L-Ala-L-Pro-NH ₂) T. Moriuchi, K. Yoshida, T. Hirao	75
Synthesis of a new bis(ferrocenyl)ruthenacyclopentatriene compound with a significant inter-metal electronic communication Y. Yamada, J. Mizutani, M. Kurihara, H. Nishihara	80
[2 + 2 + 2] Cyclotrimerisation of bisaryl acetylene bearing ferrocenyl units with planar chirality: synthesis of enantiopure conjugated polyferrocene complexes V. Mamane, A. Gref, F. Lefloch, O. Riant	84
Metal-directed assembly of polyferrocenyl transition metal dithiocarbamate macrocyclic molecular boxes S.-W. Lai, M.G.B. Drew, P.D. Beer	89

Regular papers

Synthesis, spectroscopy and biological activity of novel acylhydrazines containing ferrocenyl moiety H. Runqiu, W. Qingmin	94
<i>ortho</i> -Silylation of 2,2'-bis(oxazolinyl)-1,1'-bis(diphenylphosphino)ferrocenes and remarkable effect of the silyl groups on the enantioselectivity in Pd-catalyzed asymmetric allylic alkylation S. Lee, J.H. Koh, J. Park	99

Conformational control of intramolecular arene stacking in ferrocene complexes bearing <i>tert</i> -butyl and pentafluorophenyl substituents P.A. Deck, C.E. Kroll, W. Gary Hollis Jr., F.R. Fronczek	107
Chiral ferrocenylthiazolidines, new ligands for palladium complexes A. González, J.R. Granell, C. López	116
1,1',2,2'-Tetrakis(diphenylphosphino)-4,4'-di- <i>tert</i> -butylferrocene, a new <i>cisoid</i> arrangement of phosphino groups R. Broussier, E. Bentabet, R. Amardeil, P. Richard, P. Meunier, P. Kalck, B. Gautheron	126
Voltammetric metal cation sensors based on ferrocene derivatives with oxazoline and imine substituents O.B. Sutcliffe, A. Chesney, M.R. Bryce	134
Star-shaped polyferrocenes based on thiophene and triphenylamine: synthesis, spectroscopy and electrochemistry K.R. Justin Thomas, J.T. Lin	139
Ruthenium(II) complexes containing 4-ferrocenylphenylisocyanide ligands. Crystal structure of <i>trans</i> , <i>trans</i> , <i>trans</i> -[RuCl ₂ (POMe-P) ₂ (FcC ₆ H ₄ NCl) ₂] (POMe = PPh ₂ C ₆ H ₄ OCH ₃ ; Fc = ferrocenyl) O. Clot, M.O. Wolf, G.P.A. Yap	145
An electrochemical study in acetonitrile of macrocyclic or open-chain ferrocene-containing oxa-aza or polyaza receptors in the presence of protons, metal cations and anions J.M. Lloris, R. Martínez-Máñez, J. Soto, T. Pardo	151
Synthesis, structures and electrochemistry of bis(alkynylferrocene) complexes with fluorene spacers W.-Y. Wong, G.-L. Lu, K.-F. Ng, C.-K. Wong, K.-H. Choi	159
Iron(II) versus osmium(II) oxidation in 1,1'-bis(diorganophosphino)ferrocene–osmium(II) complexes W. Kaim, T. Sixt, M. Weber, J. Fiedler	167
Bonding in ‘closed,’ open, and half-open ferrocenes: new insight from structural and Mössbauer spectroscopic studies R. Basta, D.R. Wilson, H. Ma, A.M. Arif, R.H. Herber, R.D. Ernst	172
(Ferrocenylmethyl)trialkyl ammoniums as template cations in optically active two-dimensional oxalate bridged [Cr–Mn] and [Cr–Ni] molecule-based magnets: synthesis and magnetic properties B. Malézieux, R. Andrés, M. Brissard, M. Gruselle, C. Train, P. Herson, L.L. Troitskaya, V.I. Sokolov, S.T. Ovseenko, T.V. Demeschik, N.S. Ovanesyan, I.A. Mamed'yarova	182
Facile synthesis of bidimensional ferrocenyl-based branched oligomers by palladium-catalyzed coupling reactions A. Peruga, J.A. Mata, D. Sainz, E. Peris	191
4-Ethynyl-benzonitrile-ferrocenes bridged by a Pd(PPh ₃) ₂ unit; the solid-state structure of (η^5 -C ₅ H ₅)Fe(η^5 -C ₅ H ₄ C≡CC ₆ H ₄ C≡N-1,4) S. Köcher, H. Lang	198
Synthesis and molecular structure of a novel ferrocene-containing macrocyclic acyl thiourea derivative L.-y. Zhang, Y.-f. Yuan, A.-g. Hu, J.-t. Wang, J. Sun	204
Synthesis, structures and electrochemical properties of Group 6 metal carbonyl complexes containing ferrocenylpyrazole ligands L.-F. Tang, W.-L. Jia, Z.-H. Wang, J.-F. Chai, J.-T. Wang	209
Synthesis and characterisation of ferrocenyl-phosphonic and -arsionic acids S.R. Alley, W. Henderson	216
Synthesis of controlled π -extended conjugate nanostructures of 1,1'-ferrocene J.-G. Rodríguez, S. Pleite	230
Allylferrocenylselenide and the synthesis of the first seleno-substituted allenylidene complex: synthesis, spectroscopy, electrochemistry and the effect of electron transfer from the ferrocenylselenyl subunit S. Hartmann, R.F. Winter, T. Scheiring, M. Wanner	240
Ferrocene as a ferromagnetic coupler. Synthesis and characterization of a ferrocene bridged polychlorotriphenylmethyl diradical O. Elsner, D. Ruiz-Molina, I. Ratera, J. Vidal-Gancedo, C. Rovira, J. Veciana	251
Characterization and electrochemical study of bis(ferrocenes) with a furan spacer and ferrocenophanes prepared from α -bromoacetyl substituted ferrocenes P. Molina, A. Tárraga, D. Curiel, M.D. Velasco	258

An investigation of the chemistry of ferrocenoyl derivatives. The synthesis and reactions of ferrocenoyl imidazolide and its derivatives C. Imrie, L. Cook, D.C. Levendis	266
Synthesis, characterisation, crystal structures and electrochemistry of triosmium nitrite carbonyl clusters containing ferrocenyl phosphines E.N.-M. Ho, B.K.-M. Hui, W.-T. Wong	276
Synthesis and characterization of ferrocenylalcohol derivatives of hexachlorocyclotriphosphazene. X-ray crystal structure of $N_3P_3Cl_5OCH_2CH_2C_5H_4FeCp$ C. Nataro, C.N. Myer, W.M. Cleaver, C.W. Allen	284
Internal ferrocenylalkynes—a comparative electrochemical and mass spectrometric study P. Štěpnička, L. Trojan, J. Kubišta, J. Ludvík	291
Synthesis and structure of an alkylgallium bridged [1,1]ferrocenophane W. Uhl, I. Hahn, A. Jantschak, T. Spies	300
The effect of d-block metal complexation on the spectroscopic and redox properties of ferrocene derivatives containing pyridine ligands J.D. Carr, S.J. Coles, M.B. Hursthouse, J.H.R. Tucker	304
Electrostatic field effects manifested in ferrocenyl metal complexes and the crystal structure of $[Fe(\eta^5-C_5H_5)(\eta^5-C_5H_4CH=NNHC_5H_4N)]\cdot HCl$ J. Silver, G.R. Fern, J.R. Miller, E. Slade, M. Ahmet, A. Houlton, D.J. Evans, G.J. Leigh	311
Study on the synthesis of nonracemic C_2 -symmetric 1,1'-binaphthyl-2,2'-diyl bridged ferrocene. Stereochemical result of the cross-coupling reactions controlled by Pd(II) or Pd(IV) complex intermediacy P. Kasák, R. Mikláš, M. Putala	318
Properties of some ferrocene macrocyclic dioxotetraamines: the roles of aromatic side-arms P. Xue, Q. Yuan, E. Fu, C. Wu	327
1,1'-Ferrocenoyl–oligoprolines. A synthetic, structural and electrochemical study Y. Xu, P. Saweczko, H.-B. Kraatz	335
Synthesis and dihydrogen phosphate binding properties of pyrrole containing <i>ansa</i> -ferrocenes J.L. Sessler, R.S. Zimmerman, G.J. Kirkovits, A. Gebauer, M. Scherer	343
Solution phase peptide synthesis with ferrocenyl amino acid derivatives J. Sehnert, A. Hess, N. Metzler-Nolte	349
Complexation and electrochemical sensing of anions by amide-substituted ferrocenyl ligands O. Reynes, F. Maillard, J.-C. Moutet, G. Royal, E. Saint-Aman, G. Stanciu, J.-P. Dutasta, I. Gosse, J.-C. Mulatier	356
Highly efficient reduction of ferrocenyl derivatives by borane L. Routaboul, J. Chiffre, G.G.A. Balavoine, J.-C. Daran, E. Manoury	364
Ferrocenes derived from cyclopenta[<i>J</i>]phenanthrene: dibenzindene–metal complexes that resist haptotropic shifts S.S. Rigby, A. Decken, A.D. Bain, M.J. McGlinchey	372
Reactions of ferrocene-derived bis(hydroxymethyl) phosphine sulfides $FcCH(R)P(S)(CH_2OH)_2$ ($R = H, CH_3$) with cyclic thionylphosphazenes: crystal structures of $FcCH_2P(S)(CH_2O)_2PN(NPCl_2)[NS(O)Ph]$ and $FcCH_2P(S)(CH_2O)_2PN_2P[N(Me)CH_2]_2[NS(O)Ph]$ ($Fc =$ ferrocenyl) T.V.V. Ramakrishna, A.J. Elias	382
Multistep redox properties of 2,2'-bipyridylboronium substituted ferrocenes L. Ding, K. Ma, M. Bolte, F. Fabrizi de Biani, P. Zanello, M. Wagner	390
Synthesis and characterization of ferrocene-labeled oligodeoxynucleotides A.E. Beilstein, M.W. Grinstaff	398
Synthesis and reactivity of achiral and of a novel planar chiral thioferrocenoylsilanes B.F. Bonini, M. Comes-Franchini, M. Fochi, G. Mazzanti, A. Ricci, M. Tomasulo, G. Varchi	407
Synthesis and characterisation of novel multidentate ferrocene ligands and their Re(I) and Pt(II) complexes K. Bushell, C. Gialou, C.H. Goh, N.J. Long, J. Martin, A.J.P. White, C.K. Williams, D.J. Williams, M. Fontani, P. Zanello	418

Knoevenagel condensation of ferrocenyl substituted carboxaldehydes with methylene active compounds on inorganic supports and the NLO properties of the resulting push–pull alkenes E. Stankovic, S. Toma, R. Van Boxel, I. Asselberghs, A. Persoons	426
The linear and nonlinear optical properties of organometallic chromophores derived from ferrocene, $[\text{Fe}_2(\eta^5\text{-C}_5\text{H}_5)_2(\text{CO})_2(\mu\text{-CO})(\mu\text{-C}-\text{CH}_3)]^+[\text{BF}_4]^-$ and terthienyl spacers. Crystal structure of 2-[<i>(E</i>)-2-ferrocenylethenyl]-5-(2-thienyl)thiophene R.D.A. Hudson, I. Asselberghs, K. Clays, L.P. Cuffe, J.F. Gallagher, A.R. Manning, A. Persoons, K. Wostyn	435
Electron acceptors of the fluorene series: Part 12. 9-(Metalloceneylidene)nitrofluorene derivatives of Fc–NF, NF–Fc–NF, and NF–Rc–NF types, and the vinyllogues Fc–π–NF: synthesis, characterisation, intramolecular charge transfer, redox properties and X-ray structures for three fluorene–ferrocene derivatives D.F. Perepichka, I.F. Perepichka, A.F. Popov, M.R. Bryce, A.S. Batsanov, A. Chesney, J.A.K. Howard, N.I. Sokolov	445
Octahedral ruthenium(II) complexes containing the chiral ligand (4 <i>S</i>)-2-[<i>(S_p)</i> -2-(diphenylphosphino)ferrocenyl]-4-(isopropyl)oxazoline (FcPN). X-Ray crystal structures of <i>fac</i> -[RuCl ₂ (PMe ₃) ₂ (FcPN)] and <i>fac</i> -[RuCl ₂ (dppm)(FcPN)] (dppm = bis(diphenylphosphino)methane) J. Gimeno, E. Lastra, C. Madrigal, C. Graiff, A. Tiripicchio	463
Enzymatic chemistry of ferrocenes: micellar tuning of the glucose oxidase reactivity toward solubilized electrochemically generated <i>n</i> -alkylferricinium cations A.D. Ryabov, E.S. Ryabova, M.D. Reshetova	469
Ferrocenyl naphthalene diimide can bind to DNA·RNA hetero duplex: potential use in an electrochemical detection of mRNA expression S. Sato, S. Fujii, K. Yamashita, M. Takagi, H. Kondo, S. Takenaka	476
Syntheses and some reactions of complexes containing carbon chains capped by ferrocenyl and W(CO) ₃ Cp groups M.I. Bruce, M.E. Smith, B.W. Skelton, A.H. White	484
Studies on organometallic selective estrogen receptor modulators. (SERMs) Dual activity in the hydroxy-ferrocifen series S. Top, A. Vessières, C. Cabestaing, I. Laios, G. Leclercq, C. Provot, G. Jaouen	500
Ferrocene substituted nitronyl nitroxide and imino nitroxide radicals. Synthesis, X-ray structure and magnetic properties C. Sporer, D. Ruiz-Molina, K. Wurst, H. Kopacka, J. Veciana, P. Jaitner	507
A comparison of ferrocenyl carbenium/non-carbenium structures in isomeric osmium cluster complexes obtained from the reaction of bis-ferrocenylbutadiyne with Os ₃ (CO) ₁₀ (μ-py)(μ-H) R.D. Adams, B. Qu, M.D. Smith	514
Synthesis, reactivity, and crystal structures of ferrocene-substituted amidinate derivatives J.R. Hagadorn, J. Arnold	521
New chiral ferrocenyl-pyridinium salts for non-linear optics K. Roque, F. Barangé, G.G.A. Balavoine, J.-C. Daran, P.G. Lacroix, E. Manoury	531
Diferrocenyltriphosphines 2. Reversible phosphine deligation in the chemistry of diferrocenyltriphosphine Ru(II) dichloride complexes with nitriles and pyridines: towards a pH-switchable catalyst I.R. Butler, S.J. Coles, M. Fontani, M.B. Hursthouse, E. Lewis, K.L.M.A. Malik, M. Meunier, P. Zanello	538
($\eta^5\text{-C}_5\text{H}_5$)-Ring alkylation reaction with the C ₅ H ₅ anion: towards the construction of tri-Fe complex Fe{[μ,η ⁵ :η ⁴ -5- <i>exo</i> -(1'-C ₅ H ₄)C ₅ H ₅]Fe(CO) ₂ (PPh ₃) ₂ L.-S. Luh, L.-K. Liu	549
Semimasked 1,1'-diethynylferrocenes: synthetic concepts, preparations, and reactions H. Schottenberger, J. Lukassser, E. Reichel, A.G. Müller, G. Steiner, H. Kopacka, K. Wurst, K.H. Ongania, K. Kirchner	558
Novel cyclopalladated ferrocenyl Schiff base compounds with bridging and chelating diphosphines. Crystal and molecular structure of {Pd[($\eta^5\text{-C}_5\text{H}_5$)Fe($\eta^5\text{-C}_5\text{H}_3$)C(H)=N-2,4,6-Me ₃ C ₆ H ₂]}{Ph ₂ P(CH ₂) _n PPh ₂ -P,P][PF ₆]} (<i>n</i> = 1, 2) J.M. Vila, E. Gayoso, T. Pereira, M. Mariño, J. Martínez, J.J. Fernández, A. Fernández, M. López-Torres	577
A re-examination of the reaction between 1,1'-bis(diphenylphosphino)ferrocene (dppf) diselenide and [Ru ₃ (CO) ₁₂]. Electrochemical behaviour of the isomeric <i>nido</i> -clusters [Ru ₃ (μ ₃ -Se) ₂ (dppf)(CO) ₇] and [Ru ₃ (μ ₃ -Se) ₂ (μ-dppf)(CO) ₇] and crystal structure of [Ru ₃ Se{μ-P(Ph)C ₅ H ₄ FeC ₅ H ₄ PPh ₂ }]{μ-OCPh)(CO) ₆ } F.F. de Biani, C. Graiff, G. Opronolla, G. Predieri, A. Tiripicchio, P. Zanello	586

Water soluble ferrocenyl and polyferrocenyl compounds: synthesis and electrochemistry A. Salmon, P. Jutzi	595
Organometallic building blocks for crystal engineering. Synthesis, structure and hydrogen bonding interactions in $[Fe(\eta^5-C_5H_4-CH_2(CH_3OH)_2)]$, $[Fe(\eta^5-C_5H_3(CH_3)COOH)_2]$, $[Fe(\eta^5-C_5H_4CH(CH_3)NH(\eta^5-C_5H_4CH(CH_3))]$ and in the diaminecyclohexane salt $[Fe(\eta^5-C_5H_4COO)_2]^{2-} \cdot [(1S,2S)-NH_3)_2C_6H_{10}]^{2+} \cdot 2[H_2O]$ D. Braga, L. Maini, F. Paganelli, E. Tagliavini, S. Casolari, F. Grepioni	609
Ferrocenyl substituted chlorostilbenes and butadienes K. Senthil Kumar, K.C. Kumara Swamy	616
Formation and structural characterization of amino-substituted [3]ferrocenophanes derived from intramolecular Mannich-type coupling reactions at the metallocene framework P. Liptau, S. Knüppel, G. Kehr, O. Kataeva, R. Fröhlich, G. Erker	621
Preparation, characterization, electrochemical studies and crystal structure determination of salicylaldehyde–arylhdrazone, ferrocenyl–arylhdrazone and salicylaldehyde–ferrocenoylhdrazone complexes of indium Y. Yuan, Z. Cao, N. Fu, J. Wang, L. Weng, A. Bezerra de Carvalho, C. Peppe	631
Functionalization via hydrosilylation of linear and cyclic siloxanes with appendent first generation dendrons containing electronically communicated ferrocenyl units B. Alonso, B. González, B. García, E. Ramírez-Oliva, M. Zamora, C.M. Casado, I. Cuadrado	642
Bis(ferrocenyl)mercury as a source of ferrocenyl moiety in Pd-catalyzed reactions of carbon–carbon bond formation I.P. Beletskaya, A.V. Tsvetkov, G.V. Latyshev, V.A. Tafeenko, N.V. Lukashev	653
Synthesis and characterization of new germylferrocenyl, germylferrocenophane and polymeric germyleneferrocenylene systems M. Castruita, F. Cervantes-Lee, J.S. Mahmoud, Y. Zhang, K.H. Pannell	664
A rapid approach to ferrocenophanes via ring-closing metathesis A.J. Locke, C. Jones, C.J. Richards	669
Copper(I) complexes containing 1,1'-bis(diphenylphosphino) ferrocene (dppf) as a chelate ligand. X-ray crystal structures of $[Cu_2(\mu-Cl)_2(\kappa^2-P,P-dppf)_2]$ and $[Cu(CN'Bu)_2(\kappa^2-P,P-dppf)][BF_4]$ J. Díez, M.P. Gamasa, J. Gimeno, M. Lanfranchi, A. Tiripicchio	677
Synthetic, electrochemical, and structural studies on heterobimetallic crown thioether complexes with Group 10 metals: the crystal structures of $[Pt(9S3)(dppf)](PF_6)_2 \cdot CH_3NO_2$ and $[Pd(9S3)(dppf)](PF_6)_2 \cdot CH_3NO_2$ G.J. Grant, S.M. Carter, A. LeBron Russell, I.M. Poullaos, D.G. VanDerveer	683
Synthesis, X-ray, spectroscopic and a preliminary Suzuki coupling screening studies of a complete series of dppfMX ₂ (M = Pt, Pd; X = Cl, Br, I) T.J. Colacot, H. Qian, R. Cea-Olivares, S. Hernandez-Ortega	691
Asymmetric synthesis of planar chiral 2-mono- and 2,2'-disubstituted 1,1'-bisbenzoylferrocenes D. Enders, T. Klumpen	698
Synthesis and characterisation of rhodium(0) and rhodium(–1) complexes stabilised by 1,1'-bis(diphenylphosphino)ferrocene (dppf). Crystal structures of $[Rh(dppf)_2]$ and $[Na(THF)_5][Rh(dppf)_2] \cdot THF$ B. Longato, R. Coppo, G. Pilloni, C. Corvaja, A. Toffoletti, G. Bandoli	710
Notes	
Preparation of 1,5-diketone derivatives containing ferrocenyl by Michael reaction under solvent-free condition W.-y. Liu, Q.-h. Xu, Y.-m. Liang, B.-h. Chen, W.-m. Liu, Y.-x. Ma	719
Synthesis of 1',1'''-bis(heterocyclyl)biferrocene compounds C.-M. Liu, Y.-m. Liang, X.-l. Wu, W.-m. Liu, Y.-x. Ma	723
New ferrocenyl amine derivatives: <i>N</i> -silyl, <i>N</i> -stannylyl and <i>N</i> -boryl ferrocenyl amines B. Wrackmeyer, H.E. Maisel, M. Herberhold	727
Synthesis and crystal structure of 1,1'-bis[4-(2,2':6',2"-terpyridin-4'-yl)phenyl]octamethylferrocene U. Siemeling, U. Vorfeld, B. Neumann, H.-G. Stammler, M. Fontani, P. Zanello	733

Ferrocene derivatives (I). Synthesis and X-ray structure determination of <i>N</i> - <i>o</i> -methylphenylferrocenesulfonamide M. Li, Y. Bai, J. Lu, B. Yang, K. Zhu, H. Ma	738
Ferrocene derivatives (II). Synthesis and reactions of 4-ferrocenyl-2-thiazolamine H. Ma, Y. Hou, Y. Bai, J. Lu, B. Yang	742
Bis[bis(trimethylsilyl)cyclopentadienyl]selane as a ligand: selena-2,2',4,4'-tetrakis(trimethylsilyl)-[1]ferrocenophane and 1,2,3-triselena-2,2',4,4'-tetrakis(trimethylsilyl)-[3]ferrocenophane G. Thaler, B. Klotz, K. Wurst, F. Sladky	745
A new phthalocyanine–ferrocene conjugated dyad A. González-Cabello, P. Vázquez, T. Torres	751
Palladium(II) phosphine thiocarboxylates. Structures of <i>cis</i> -Pd(κ S-SOCMe) ₂ (dpff) [dpff = 1,1'-bis(diphenylphosphino)ferrocene] and <i>trans</i> -Pd(κ S-SOCMe) ₂ (PPh ₃) ₂ Y.C. Neo, J.J. Vittal, T.S.A. Hor	757
Novel ferrocene modified <i>P,N</i> -ligands for enantioselective palladium-catalyzed allylic substitution reactions S.-L. You, X.-L. Hou, L.-X. Dai	762
Reactivity of the bis(allyl)-ruthenium(IV) dimer [$\{\text{Ru}(\eta^3:\eta^3\text{-C}_{10}\text{H}_{16})(\mu\text{-Cl})\}_2$] ($\text{C}_{10}\text{H}_{16}$ = 2,7-dimethylocta-2,6-diene-1,8-diy) towards dpff (dpff = [Fe($\eta^5\text{-C}_5\text{H}_4\text{PPh}_2$) ₂]) and dpffO (dpffO = [Fe($\eta^5\text{-C}_5\text{H}_4\text{PPh}_2$) $(\eta^5\text{-C}_5\text{H}_4\text{P}(=\text{O})\text{Ph}_2$)] V. Cadierno, S.E. García-Garrido, J. Gimeno	767
Technetium and rhenium heterocomplexes containing the diphenylphosphinoferrocenyl fragment F. Tisato, F. Refosco, M. Porchia, G. Bandoli, G. Pilloni, L. Uccelli, A. Boschi, A. Duatti	772
Charge transfer spectra and photoreactivity of (<i>E</i>)-1-ferrocenyl-2-(1-methyl-4-pyridiniumyl)ethylene cation H. Kunkely, A. Vogler	777
Preparation of ferrocenyl mono- and dienone derivatives through aldol condensation of 1,1'-diacetylferrocene with aromatic aldehydes in dry conditions W.-y. Liu, Q.-h. Xu, B.-h. Chen, Y.-m. Liang, Y.-x. Ma, W.-m. Liu	782
Hindering the formation of ferrocenes: mono(cyclopentadienyl)halo iron complexes [Fe(C ₅ R ₅)X] containing a sterically bulky cyclopentadienyl ligand J. Okuda	786
Cyclopalladated ferrocenylimines: highly active catalysts for Heck reactions Y. Wu, J. Hou, H. Yun, X. Cui, R. Yuan	793
The reaction of ferrocene with mercuric chloride revisited: 'Cp ₂ Fe*2HgCl ₂ ' = [(C ₅ H ₅)Fe(C ₅ H ₄ HgCl)] ₂ [Hg ₂ Cl ₆], comparison of its molecular structure with that of chloromercuriferrocene K. Sünkel, T. Kießling	796
Redox behavior of boronato-functionalized 1,1'-bis(diphenylphosphino)ferrocenes P. Zanello, A. Cinquantini, M. Fontani, M. Giardiello, G. Giorgi, C.R. Landis, B.F.M. Kimmich	800
Palladium(II) complexes containing symmetrical diphosphine ligands based on ferrocene. Sterically enforced palladium–iron bonds M.A. Zuideveld, B.H.G. Swennenhuis, P.C.J. Kamer, P.W.N.M. van Leeuwen	805
Electrochemical determination of diffusion coefficient of π -conjugated polymers containing ferrocene unit T. Morikita, T. Yamamoto	809
Synthesis of ferrocenylketyl radicals by chromium(II) complexes Z.R. Ratkovic, L. Somsák, K. Micskei, C. Zucchi, G. Pályi	813
Control of the symmetry of binuclear ferrocene derivative by using chiral substituent and its mixed-valence state T. Oda, S. Nakashima, T. Okuda	820
Improved electrochemistry of multi-ferrocenyl compounds: investigation of biferrocene, terferrocene, bis(fulvalene)diiron and diferroacenylethane in dichloromethane using [NBu ₄][B(C ₆ F ₅) ₄] as supporting electrolyte N. Camire, U.T. Mueller-Westerhoff, W.E. Geiger	823
Second harmonic generation in ferrocene based hydrogen bonded assemblies S.K. Pal, A. Krishnan, P.K. Das, A.G. Samuelson	827

Short syntheses of 8'-[1-(1'-phenylthio)ferrocenyl]-1,1'-binaphthyls from Suzuki coupling reactions. A strategy for generating new chiral ligands and charge-transfer complexes D.H. Hua, J.W. McGill, M. Ueda, H.A. Stephany	832
Synthesis of new ferrocene containing diamines and their use in epoxy resins M.E. Wright, J. Laub, P.R. Stafford, W.P. Norris	837
Anion effect on the electrochemical characteristics of a gold electrode modified with a self-assembled monolayer of ferrocenylhexanethiol in aqueous and dichloromethane solutions T. Kondo, M. Okamura, K. Uosaki	841
Palladium-catalyzed asymmetric allylic alkylations of cycloalkenyl acetates with planar chiral phosphino-ferrocene carboxylic acids S.-L. You, Y.-M. Luo, W.-P. Deng, X.-L. Hou, L.-X. Dai	845
Author index of Vol. 637–639.	851
Subject index of Vol. 637–639.	855
Contents of Vol. 637–639	869