

Author Index

- Adam, W., Corma, A., Martínez, A., Mitchell, C.M., Reddy, T.I., Renz, M. and Smerz, A.K.
Diastereoselective epoxidation of allylic alcohols with hydrogen peroxide catalyzed by titanium-containing zeolites or methyltrioxorhenium versus stoichiometric oxidation with dimethyldioxirane: Clues on the active species in the zeolite lattice (117) 357
- Adam, W., see Hoch, U. (117) 321
- Agrifoglio, G., see Arzoumanian, H. (117) 471
- Arzoumanian, H., Maurino, L. and Agrifoglio, G.
Thiocyanatodioxomolybdenum(VI) complexes as efficient oxidizing agents (117) 471
- Assis, M.D., see Iamamoto, Y. (117) 259
- Aubry, J.-M., see Nardello, V. (117) 439
- Auty, K., Gilbert, B.C., Thomas, C.B., Brown, S.W., Jones, C.W. and Sanderson, W.R.
The selective oxidation of toluenes to benzaldehydes by cerium(III), hydrogen peroxide and bromide ion (117) 279
- Baffa, O., see Iamamoto, Y. (117) 259
- Baiker, A., see Mallat, T. (117) 425
- Barton, D.H.R.
Oxygen and I (117) 3
- Berkessel, A., Frauenkron, M., Schwenkreis, T. and Steinmetz, A.
Pentacoordinated manganese complexes as biomimetic catalysts for asymmetric epoxidations with hydrogen peroxide (117) 339
- Bienewald, F., see Bolm, C. (117) 347
- Birnbaum, E.R., see Böttcher, A. (117) 229
- Bolm, C., Schlingloff, G. and Bienewald, F.
Copper- and vanadium-catalyzed asymmetric oxidations (117) 347
- Böttcher, A., Birnbaum, E.R., Day, M.W., Gray, H.B., Grinstaff, M.W. and Labinger, J.A.
How do electronegative substituents make metal complexes better catalysts for the oxidation of hydrocarbons by dioxygen? (117) 229
- Bouttemy, S., see Nardello, V. (117) 439
- Brégaault, J.-M., see Salles, L. (117) 375
- Brönnimann, C., see Mallat, T. (117) 425
- Brown, S.W., see Auty, K. (117) 279
- Casella, L., see Monzani, E. (117) 199
- Cesana, A., Mantegazza, M.A. and Pastori, M.
A study of the organic by-products in the cyclohexanone ammoxidation (117) 367
- Cheng, S.Y.S. and James, B.R.
Mechanistic aspects of the oxidation of phosphines and related substrates by *trans*-Ru^{VI}(TMP)(O)₂; TMP = dianion of 5,10,15,20-tetramesitylporphyrin (117) 91
- Ciuffi, K.J., see Iamamoto, Y. (117) 259
- Collins, F.M., Lucy, A.R. and Sharp, C.
Oxidative desulphurisation of oils via hydrogen peroxide and heteropolyanion catalysis (117) 397
- Collman, J.P., Eberspacher, T., Fu, L. and Herrmann, P.C.
Functional models for the oxygen binding/activating heme-proteins, myoglobin and cytochrome *c* oxidase (117) 9
- Conte, V., Di Furia, F. and Moro, S.
Peroxovanadium complexes as radical oxidants in organic solvents and in aqueous solutions (117) 139
- Corma, A., see Adam, W. (117) 357
- Day, M.W., see Böttcher, A. (117) 229
- Detusheva, L.G., see Kuznetsova, L.I. (117) 389
- De Vos, D.E., see Knops-Gerrits, P.-P. (117) 57
- Di Furia, F., see Conte, V. (117) 139
- Eberspacher, T., see Collman, J.P. (117) 9
- Fedotov, M.A., see Kuznetsova, L.I. (117) 389
- Fell, R., see Hoch, U. (117) 321
- Feringa, B.L., see Roelfes, G. (117) 223
- Fraisse, L., see Sorokin, A. (117) 103
- Franceschi, F., see Monzani, E. (117) 199
- Frauenkron, M., see Berkessel, A. (117) 339
- Fu, L., see Collman, J.P. (117) 9
- Gara, M., see Neumann, R. (117) 169
- Gekhman, A.E., see Moiseeva, N.I. (117) 39
- Gilbert, B.C., Hodges, G.R., Lindsay Smith, J.R., MacFaul, P. and Taylor, P.
The photoreactions of the carboxylate complexes of 5,10,15,20-tetra(2-*N*-methylpyridyl)porphyrin (117) 249
- Gilbert, B.C., see Auty, K. (117) 279
- Gray, H.B., see Böttcher, A. (117) 229
- Gresley, N.M., Griffith, W.P., Laemmel, A.C., Nogueira, H.I.S. and Parkin, B.C.
Studies on polyoxo and polyperoxo-metalates part 5: Peroxide-catalysed oxidations with heteropolyperoxo-tungstates and -molybdates (117) 185
- Griffith, W.P., see Gresley, N.M. (117) 185
- Grinstaff, M.W., see Böttcher, A. (117) 229
- Gross, Z. and Simkhovich, L.
Ozone as primary oxidant in iron(III) porphyrin catalyzed hydroxylation of hydrocarbons (117) 243
- Gullotti, M., see Monzani, E. (117) 199

- Hage, R., see Roelfes, G. (117) 223
- Harrison, R.G., see Kim, J. (117) 83
- Hermant, R.M., see Roelfes, G. (117) 223
- Herrmann, P.C., see Collman, J.P. (117) 9
- Herrmann, W.A., Lobmaier, G.M., Priermeier, T., Mattner, M.R. and Scharbert, B.
New dioxomolybdenum(VI) catalysts for the selective oxidation of terminal *n*-alkenes with molecular oxygen (117) 455
- Hirose, T.-o., see Mizuno, N. (117) 159
- Ho, R.Y.N., see Selke, M. (117) 71
- Hoch, U., Adam, W., Fell, R., Saha-Möllner, C.R. and Schreier, P.
Horseradish peroxidase – a biocatalyst for the one-pot synthesis of enantiomerically pure hydroperoxides and alcohols (117) 321
- Hodges, G.R., see Gilbert, B.C. (117) 249
- Iamamoto, Y., Prado, C.M.C., Sacco, H.C., Ciuffi, K.J., Assis, M.D., Maestrin, A.P.J., Melo, A.J.B., Baffa, O. and Nascimento, O.R.
Study of the catalytical intermediates of metalloporphyrins supported on imidazole propyl gel (117) 259
- Ichihara, K., see Naruta, Y. (117) 115
- Ishii, Y.
A novel catalysis of *N*-hydroxyphthalimide (NHPI) combined with $\text{Co}(\text{acac})_n$ ($n = 2$ or 3) in the oxidation of organic substrates with molecular oxygen (117) 123
- Iwamoto, M., see Mizuno, N. (117) 159
- Jacobs, P.A., see Knops-Gerrits, P.-P. (117) 57
- James, B.R., see Cheng, S.Y.S. (117) 91
- Jones, C.W., see Auty, K. (117) 279
- Juwiler, D., see Neumann, R. (117) 169
- Kaderli, S., see Karlin, K.D. (117) 215
- Karlin, K.D., Tolman, W.B., Kaderli, S. and Zuberbühler, A.D.
Kinetic and thermodynamic parameters of copper–dioxygen interaction with different oxygen binding modes (117) 215
- Khenkin, A.M., see Neumann, R. (117) 169
- Kim, C., see Kim, J. (117) 83
- Kim, J., Kim, C., Harrison, R.G., Wilkinson, E.C. and Que Jr., L.
Fe(TPA)-catalyzed alkane hydroxylation can be a metal-based oxidation (117) 83
- Knops-Gerrits, P.-P., De Vos, D.E. and Jacobs, P.A.
Oxidation catalysis with semi-inorganic zeolite-based Mn catalysts (117) 57
- Komiya, N., Naota, T., Oda, Y. and Murahashi, S.-I.
Aerobic oxidation of alkanes and alkenes in the presence of aldehydes catalyzed by copper salts and copper–crown ether (117) 21
- Kozhevnikov, I.V.
 $\text{PMO}_{12-n}\text{V}_n\text{O}_{40}^{(3+n)-}$ heteropolyanions as catalysts for aerobic oxidation (117) 151
- Kuznetsova, L.I., Detusheva, L.G., Kuznetsova, N.I., Fedotov, M.A. and Likhoholov, V.A.
Relation between structure and catalytic properties of transition metal complexes with heteropolyanion $\text{PW}_{11}\text{O}_{39}^{7-}$ in oxidative reactions (117) 389
- Kuznetsova, N.I., see Kuznetsova, L.I. (117) 389
- Labinger, J.A., see Böttcher, A. (117) 229
- Laemmel, A.C., see Gresley, N.M. (117) 185
- Leppard, S.W., see Roelfes, G. (117) 223
- Likhoholov, V.A., see Kuznetsova, L.I. (117) 389
- Lindsay Smith, J.R., see Gilbert, B.C. (117) 249
- Llobet, A., see Martell, A.E. (117) 205
- Lobmaier, G.M., see Herrmann, W.A. (117) 455
- Lubben, M., see Roelfes, G. (117) 223
- Lucy, A.R., see Collins, F.M. (117) 397
- Luna, F.J., Ukawa, S.E., Wallau, M. and Schuchardt, U.
Cyclohexane oxidation using transition metal-containing aluminophosphates (MAPO-VFI) (117) 405
- MacFaul, P., see Gilbert, B.C. (117) 249
- Maestrin, A.P.J., see Iamamoto, Y. (117) 259
- Mallat, T., Brönnimann, C. and Baiker, A.
Oxidation of *L*-sorbitol with molecular oxygen on platinum modified by metals, amines and phosphines (117) 425
- Mantegazza, M.A., see Cesana, A. (117) 367
- Markley, T.J., see Ramprasad, D. (117) 273
- Martell, A.E., Motekaitis, R.J., Menif, R., Rockcliffe, D.A. and Llobet, A.
Catalytic oxidation with dinuclear Cu(I) macrocyclic dioxygen complexes as intermediates (117) 205
- Martell, A.E., see McManus, D. (117) 289
- Martínez, A., see Adam, W. (117) 357
- Mattner, M.R., see Herrmann, W.A. (117) 455
- Maurino, L., see Arzoumanian, H. (117) 471
- McManus, D. and Martell, A.E.
The evolution, chemistry and applications of chelated iron hydrogen sulfide removal and oxidation processes (117) 289
- Melo, A.J.B., see Iamamoto, Y. (117) 259
- Menif, R., see Martell, A.E. (117) 205
- Meunier, B., see Sorokin, A. (117) 103
- Miller, H., see Neumann, R. (117) 169
- Minot, C., see Salles, L. (117) 375
- Mitchell, C.M., see Adam, W. (117) 357
- Mizuno, N., Nozaki, C., Hirose, T.-o., Tateishi, M. and Iwamoto, M.
Liquid-phase oxygenation of hydrocarbons with molecular oxygen catalyzed by Fe_2Ni -substituted Keggin-type heteropolyanion (117) 159
- Moiseev, I.I., see Moiseeva, N.I. (117) 39
- Moiseeva, N.I., Gekhman, A.E. and Moiseev, I.I.
Metal complex catalyzed oxidations with hydroperoxides: Inner-sphere electron transfer (117) 39
- Monzani, E., Casella, L., Gullotti, M., Panigada, N., Franceschi, F. and Papaefthymiou, V.
Cytochrome *c* oxidase models. Dinuclear iron/copper complexes derived from covalently modified deuteroporphyrins (117) 199
- Moro, S., see Conte, V. (117) 139
- Motekaitis, R.J., see Martell, A.E. (117) 205
- Murahashi, S.-I., see Komiya, N. (117) 21
- Naota, T., see Komiya, N. (117) 21
- Nardello, V., Bouttemy, S. and Aubry, J.-M.
Olefin oxidation by the system $\text{H}_2\text{O}_2/\text{MoO}_4^{2-}$: competition between epoxidation and peroxidation (117) 439

- Naruta, Y., Sasayama, M.-a. and Ichihara, K.
Functional modeling of manganese-containing O₂ evolution enzymes with manganese porphyrin dimers (117) 115
- Nascimento, O.R., see Iamamoto, Y. (117) 259
- Neumann, R., Khenkin, A.M., Juwiler, D., Miller, H. and Gara, M.
Catalytic oxidation with hydrogen peroxide catalyzed by 'sandwich' type transition metal substituted polyoxometalates (117) 169
- Nogueira, H.I.S., see Gresley, N.M. (117) 185
- Nozaki, C., see Mizuno, N. (117) 159
- Oda, Y., see Komiyama, N. (117) 21
- Panigada, N., see Monzani, E. (117) 199
- Papaefthymiou, V., see Monzani, E. (117) 199
- Parkin, B.C., see Gresley, N.M. (117) 185
- Pastori, M., see Cesana, A. (117) 367
- Pez, G.P., see Ramprasad, D. (117) 273
- Pinna, F., see Strukul, G. (117) 413
- Piquemal, J.-Y., see Salles, L. (117) 375
- Prado, C.M.C., see Iamamoto, Y. (117) 259
- Priermeier, T., see Herrmann, W.A. (117) 455
- Que Jr., L., see Kim, J. (117) 83
- Que Jr., L., see Roelfes, G. (117) 223
- Rabion, A., see Sorokin, A. (117) 103
- Ramprasad, D., Markley, T.J. and Pez, G.P.
Solid state cyanocobaltates that reversibly bind dioxygen: synthesis, structure and reactivity relationships (117) 273
- Reddy, T.I., see Adam, W. (117) 357
- Remkes, I.J., see Van Deurzen, M.P.J. (117) 329
- Renz, M., see Adam, W. (117) 357
- Rockcliffe, D.A., see Martell, A.E. (117) 205
- Roelfes, G., Lubben, M., Leppard, S.W., Schudde, E.P., Hermant, R.M., Hage, R., Wilkinson, E.C., Que Jr., L. and Feringa, B.L.
Functional models for iron-bleomycin (117) 223
- Roland, E., see Thiele, G.F. (117) 351
- Rüsch gen. Klaas, M. and Warwel, S.
Lipase-catalyzed preparation of peroxy acids and their use for epoxidation (117) 311
- Sacco, H.C., see Iamamoto, Y. (117) 259
- Saha-Möller, C.R., see Hoch, U. (117) 321
- Salles, L., Piquemal, J.-Y., Thouvenot, R., Minot, C. and Brégeault, J.-M.
Catalytic epoxidation by heteropolyoxoperoxo complexes: from novel precursors or catalysts to a mechanistic approach (117) 375
- Sanderson, W.R., see Auty, K. (117) 279
- Sasayama, M.-a., see Naruta, Y. (117) 115
- Scharbert, B., see Herrmann, W.A. (117) 455
- Schlingloff, G., see Bolm, C. (117) 347
- Schreier, P., see Hoch, U. (117) 321
- Schuchardt, U., see Luna, F.J. (117) 405
- Schudde, E.P., see Roelfes, G. (117) 223
- Schwenkreis, T., see Berkessel, A. (117) 339
- Selke, M., Sisemore, M.F., Ho, R.Y.N., Wertz, D.L. and Valentine, J.S.
Dioxygen activation by iron complexes. The search for reactive intermediates (117) 71
- Sharp, C., see Collins, F.M. (117) 397
- Sheldon, R.A., see Van Deurzen, M.P.J. (117) 329
- Simándi, L.I. and Simándi, T.L.
Kinetics and mechanism of the cobaloxime(II) catalyzed oxidative dehydrogenation and double bond cleavage of 3,3',5,5'-tetra-*tert*-butyl-4,4'-dihydroxystilbene by O₂ (117) 299
- Simándi, T.L., see Simándi, L.I. (117) 299
- Simkhovich, L., see Gross, Z. (117) 243
- Sisemore, M.F., see Selke, M. (117) 71
- Smerz, A.K., see Adam, W. (117) 357
- Sorokin, A., Fraisse, L., Rabion, A. and Meunier, B.
Metallophthalocyanine-catalyzed oxidation of catechols by H₂O₂ and its surrogates (117) 103
- Steinmetz, A., see Berkessel, A. (117) 339
- Strukul, G., Varagnolo, A. and Pinna, F.
New (old) hydroxo complexes of platinum(II) as catalysts for the Baeyer-Villiger oxidation of ketones with hydrogen peroxide (117) 413
- Tateishi, M., see Mizuno, N. (117) 159
- Taylor, P., see Gilbert, B.C. (117) 249
- Thiel, W.R.
Metal catalyzed oxidations. Part 5. Catalytic olefin epoxidation with seven-coordinate oxobisperoxo molybdenum complexes: a mechanistic study (117) 449
- Thiele, G.F. and Roland, E.
Propylene epoxidation with hydrogen peroxide and titanium silicalite catalyst: Activity, deactivation and regeneration of the catalyst (117) 351
- Thomas, C.B., see Auty, K. (117) 279
- Thouvenot, R., see Salles, L. (117) 375
- Tolman, W.B., see Karlin, K.D. (117) 215
- Ukawa, S.E., see Luna, F.J. (117) 405
- Valentine, J.S., see Selke, M. (117) 71
- Van Deurzen, M.P.J., Remkes, I.J., Van Rantwijk, F. and Sheldon, R.A.
Chloroperoxidase catalyzed oxidations in *t*-butyl alcohol/water mixtures (117) 329
- Van Rantwijk, F., see Van Deurzen, M.P.J. (117) 329
- Varagnolo, A., see Strukul, G. (117) 413
- Wallau, M., see Luna, F.J. (117) 405
- Warwel, S., see Rüsch gen. Klaas, M. (117) 311
- Wertz, D.L., see Selke, M. (117) 71
- Wilkinson, E.C., see Kim, J. (117) 83
- Wilkinson, E.C., see Roelfes, G. (117) 223
- Zuberbühler, A.D., see Karlin, K.D. (117) 215