

Author Index

- Altomare, A., see Braca, G. (107) 113
Anpo, M., see Matsuoka, M. (107) 399
Arribas, G., see Braca, G. (107) 113
Asakura, K., see Chun, W.-J. (107) 55
Avnir, D., see Blum, J. (107) 217
Balulescu, M., see Herdan, J.-M. (107) 409
Basset, J.-M., see Santini, C.C. (107) 263
Baudoul, F., Borcy, A., Mommerency, S., Vanderwegen, P. and Jannes, G.
The influence of water on cyanide displacement of 1-halobutanes using 18-crown-6 ether as phase transfer catalyst (107) 351
Beena, B., Shivaneekar, A. and Chudasama, U.
Catalytic activity of Pd(II) sorbed on an inorganic ion exchanger — zirconium molybdate (107) 347
Beregszászi, T., see Török, B. (107) 305
Bernaerts, D., see Fonseca, A. (107) 159
Bethell, D., see Feast, S. (107) 291
Bhattacharyya, N.K., see King, R.B. (107) 145
Bischoff, S., Weigt, A., Mießner, H. and Lücke, B.
Soluble and supported carbonylation catalysts derived from rhodium–phosphonate–phosphane complexes (107) 339
Blaser, H.-U., Jalett, H.-P. and Spindler, F.
Enantioselective hydrogenation of α -ketoesters: comparison of homogeneous and heterogeneous catalysts (107) 85
Block, J.H., see Smirnov, M.Y. (107) 359
Blum, J., Rosenfeld, A., Polak, N., Israelson, O., Schumann, H. and Avnir, D.
Comparison between homogeneous and sol–gel-encapsulated rhodium-quaternary ammonium ion pair catalysts (107) 217
B.Nagy, J., see Fonseca, A. (107) 159
Borcy, A., see Baudoul, F. (107) 351
Borsari, M., see Zucchi, C. (107) 313
Braca, G., Sbrana, G., Raspolli-Galletti, A.M., Altomare, A., Arribas, G., Michelotti, M. and Ciardelli, F.
Supported transition metal complexes for ethylene polymerization (107) 113
Brody, J.F., see Johnson, J.W. (107) 67
Bucsi, I., see Török, B. (107) 305
Chandwadkar, A.J., see Das, T.Kr. (107) 199
Chateau, L., Hindermann, J.P., Kiennemann, A. and Tempesti, E.
On the mechanism of carbonylation in acetic acid and higher acid synthesis from methanol and syngas mixtures on supported rhodium catalysts (107) 367
Che, M., see Garrot, J.-M. (107) 137
Chesnokov, N.V., see Kovalchuk, V.I. (107) 329
Chudasama, U., see Beena, B. (107) 347
Chun, W.-J., Shirai, M., Tomishige, K., Asakura, K. and Iwasawa, Y.
PTRF X-ray absorption fine structure as a new technique for catalyst characterization (107) 55
Ciardelli, F., see Braca, G. (107) 113
Cira, O., see Herdan, J.-M. (107) 409
Corma, A., Fuente, A., Iglesias, M. and Sánchez, F.
Preparation of new chiral dioxomolybdenum complexes heterogenised on modified USY-zeolites. Efficient catalysts for selective epoxidation of allylic alcohols (107) 225
Cornia, A., see Zucchi, C. (107) 313
Coucovanis, D., Demadis, K.D., Malinak, S.M., Mosier, P.E., Tyson, M.A. and Laughlin, L.J.
Catalytic and stoichiometric multielectron reduction of hydrazine to ammonia and acetylene to ethylene with clusters that contain the MFe_3S_4 cores ($M = Mo, V$). Relevance to the function of nitrogenase (107) 123
Court, J., see Gil, A. (107) 185
Cozzi, F., see Fusi, A. (107) 255
Cunningham, R.H., Mangnus, A.V.G., Van Grondelle, J. and Van Santen, R.A.
Production of ^{11}C -labelled n-hexane for use in positron emission imaging (107) 153
Das, T.Kr., Chandwadkar, A.J. and Sivasanker, S.
Studies on the synthesis, characterization and catalytic properties of the large pore titanosilicate, ETS-10 (107) 199
De Goldwasser, M.R., see Pérez Zurita, M.J. (107) 175
Del Castillo, H.L., see Gil, A. (107) 185
Demadis, K.D., see Coucovanis, D. (107) 123
Dossi, C., see Fusi, A. (107) 255
Dossi, C., see Ugo, R. (107) 13
Emde, S., see Schmid, G. (107) 95
Fabretti, A.C., see Zucchi, C. (107) 313
Feast, S., Bethell, D., Page, P.C.B., King, F., Rochester, C.H., Siddiqui, M.R.H., Willock, D.J. and Hutchings, G.J.
Enantioselection using modified zeolite catalysts (107) 291
Finiels, A., Geneste, P. and Moreau, C.
Transfer of concepts from homogeneous to heterogeneous catalysis: use of Hammett relationships to assess reaction mechanisms and nature of active sites in reactions catalyzed by sulfides, metals, clays and zeolites (107) 385
Fonseca, A., Hernadi, K., B.Nagy, J., Bernaerts, D. and Lucas, A.A.
Optimization of catalytic production and purification of bucky-tubes (107) 159

- Forni, A., Moretti, I., Prati, F. and Torre, G.
Microbial synthesis of (+) and (-) methyl 4-chloro-4,4-difluoro-3-hydroxybutanoate (107) 405
- Fuerte, A., see Corma, A. (107) 225
- Fukuoka, A., Minami, Y., Nakajima, N., Hirano, M. and Komiyama, S.
Synthesis and reactivity of organoplatinum-rhenium heterobimetallic complexes having sulfur ligands (107) 323
- Fusi, A., Psaro, R., Dossi, C., Garlaschelli, L. and Cozzi, F.
A molecular approach to heterogeneous catalysis. Ethylene hydroformylation catalysed by silica-supported $[\text{Rh}_{12}(\text{CO})_{30}]^{2-}$ cluster anion: influence of the counterions Li^+ , Na^+ , K^+ , Zn (107) 255
- García, J.J., see Pérez Zurita, M.J. (107) 175
- Garlaschelli, L., see Fusi, A. (107) 255
- Garrot, J.-M., Lepetit, C. and Che, M.
Comparison of extended-Hückel and ab initio calculations in predicting the hapticity of benzene in silica-supported Ni^I complexes (107) 137
- Gates, W.E., see Johnson, J.W. (107) 67
- Gatteschi, D., see Zucchi, C. (107) 313
- Gavioli, G., see Zucchi, C. (107) 313
- Geneste, P., see Finiels, A. (107) 385
- Gil, A., Del Castillo, H.L., Masson, J., Court, J. and Grange, P.
Selective dehydration of 1-phenylethanol to 3-oxa-2,4-dihydropentane on titanium pillared montmorillonite (107) 185
- Göbölös, S., see Guzzi, L. (107) 1
- Gorodetskii, V.V., see Smimov, M.Y. (107) 359
- Grange, P., see Gil, A. (107) 185
- Guzzi, L., Göbölös, S. and Pályi, G.
A Special Volume containing papers presented at the 8th International Symposium on Relations between Homogeneous and Heterogeneous Catalysis, held in Balatonfüred, Hungary, September 10–14, 1995 (107) 1
- Hegedu, M., see Margitfalvi, J.L. (107) 281
- Herdan, J.-M., Balulescu, M. and Cira, O.
Enantioselective hydrolysis of racemic esters using pig liver esterase (107) 409
- Hernadi, K., see Fonseca, A. (107) 159
- Hidai, M. and Ishii, Y.
Toward direct synthesis of organo-nitrogen compounds from molecular nitrogen (107) 105
- Hindermann, J.P., see Chateau, L. (107) 367
- Hirano, M., see Fukuoka, A. (107) 323
- Hutchings, G.J., see Feast, S. (107) 291
- Ichikawa, M., Pan, W., Imada, Y., Yamaguchi, M., Isobe, K. and Shido, T.
Surface-grafted metal oxide clusters and metal carbonyl clusters in zeolite micropores; XAFS/FTIR/TPD characterization and catalytic behavior (107) 23
- Ichikuni, N., see Shimazu, S. (107) 297
- Iglesias, M., see Corma, A. (107) 225
- Imada, Y., see Ichikawa, M. (107) 23
- Ishii, Y., see Hidai, M. (107) 105
- Isobe, K., see Ichikawa, M. (107) 23
- Israelson, O., see Blum, J. (107) 217
- Iwasawa, Y., see Chun, W.-J. (107) 55
- Jalett, H.-P., see Blaser, H.-U. (107) 85
- Jannes, G., see Baudouin, F. (107) 351
- Jansen, R.J.J., Van Veldhuizen, H.M. and Van Bekkum, H.
Heteropoly anion on carbon: characterization and use in 2,3,6-trimethylphenol oxidation (107) 241
- Johnson, J.W., Brody, J.F., Soled, S.L., Gates, W.E., Robbins, J.L. and Marucchi-Soos, E.
Controlling the chemistry of the micropore volume in pillared clays and micas (107) 67
- Kapocsi, I., see Török, B. (107) 305
- Karakhanov, E.A., Kardasheva, Yu.S., Maksimov, A.L., Predeina, V.V., Runova, E.A. and Utukin, A.M.
Macrocomplexes on the basis of functionalized polyethylene glycols and copolymers of ethylene oxide and propylene oxide: synthesis and catalysis (107) 235
- Kardasheva, Yu.S., see Karakhanov, E.A. (107) 235
- Kienemann, A., see Chateau, L. (107) 367
- King, F., see Feast, S. (107) 291
- King, R.B., Bhattacharyya, N.K., Smith, H.D. and Wiemers, K.D.
Noble metal-catalyzed homogeneous and heterogeneous processes in treating simulated nuclear waste media with formic acid (107) 145
- Komiyama, S., see Fukuoka, A. (107) 323
- Kovalchuk, V.I., Mikova, N.M., Chesnokov, N.V., Naimushina, L.V. and Kuznetsov, B.N.
Mixed iron-rhodium carbidocarbonyl clusters on oxide supports: chemistry and catalysis of syn-gas reactions (107) 329
- Kuznetsov, B.N., see Kovalchuk, V.I. (107) 329
- Laughlin, L.J., see Coucouvanis, D. (107) 123
- Lepetit, C., see Garrot, J.-M. (107) 137
- Lindeman, S.V., see Zucchi, C. (107) 313
- Lucas, A.A., see Fonseca, A. (107) 159
- Lücke, B., see Bischoff, S. (107) 339
- Maihack, V., see Schmid, G. (107) 95
- Makkee, M., see Stobbe-Kreemers, A.W. (107) 247
- Maksimov, A.L., see Karakhanov, E.A. (107) 235
- Malinak, S.M., see Coucouvanis, D. (107) 123
- Mangnus, A.V.G., see Cunningham, R.H. (107) 153
- Margitfalvi, J.L. and Hegedu, M.
Enantioselective hydrogenation of α -keto esters over cinchona-Pt/Al₂O₃ catalysts: New interpretation of the rate acceleration and the induction of enantio-differentiation (107) 281
- Marucchi-Soos, E., see Johnson, J.W. (107) 67
- Masson, J., see Gil, A. (107) 185
- Matsuda, E., see Matsuoka, M. (107) 399
- Matsuoka, M., Matsuoka, E., Tsuji, K., Yamashita, H. and Anpo, M.
The photocatalytic decomposition of nitric oxide on Ag⁺/ZSM-5 catalyst prepared by ion-exchange (107) 399
- Meyer-Zaika, W., see Schmid, G. (107) 95
- Michelotti, M., see Braca, G. (107) 113
- Michman, M.
Homogeneous vs. heterogeneous processes in electrocatalysis. Different types of catalysis in organic electrooxidation (107) 393
- Mießner, H., see Bischoff, S. (107) 339
- Mikova, N.M., see Kovalchuk, V.I. (107) 329
- Minami, Y., see Fukuoka, A. (107) 323

- Molnár, Á., see Török, B. (107) 305
- Mommerency, S., see Baudouil, F. (107) 351
- Moreau, C., see Finiels, A. (107) 385
- Moretti, I., see Forni, A. (107) 405
- Mosier, P.E., see Coucouvanis, D. (107) 123
- Moss, J.R.
Metal alkyl complexes as models for catalytic intermediates (107) 169
- Naimushina, L.V., see Kovalchuk, V.I. (107) 329
- Nakajima, N., see Fukuoka, A. (107) 323
- Page, P.C.B., see Feast, S. (107) 291
- Pályi, G., see Guzzi, L. (107) 1
- Pályi, G., see Zucchi, C. (107) 313
- Pan, W., see Ichikawa, M. (107) 23
- Pérez Zurita, M.J., Vitale, G., De Goldwasser, M.R., Rojas, D. and García, J.J.
Fe-pillared clays: a combination of zeolite shape selectivity and iron activity in the CO hydrogenation reaction (107) 175
- Peschel, St., see Schmid, G. (107) 95
- Polak, N., see Blum, J. (107) 217
- Pomonis, P.J., see Skordilis, C.S. (107) 191
- Pozdniakova, Y.A., see Zucchi, C. (107) 313
- Prati, F., see Forni, A. (107) 405
- Predeina, V.V., see Karakhanov, E.A. (107) 235
- Psaro, R., see Fusi, A. (107) 255
- Psaro, R., see Ugo, R. (107) 13
- Psaro, R., see Zucchi, C. (107) 313
- Pugin, B.
Immobilized catalysts for enantioselective hydrogenation: The effect of site-isolation (107) 273
- Raspolli-Galletti, A.M., see Braca, G. (107) 113
- Rentschler, E., see Zucchi, C. (107) 313
- Ro, K., see Shimazu, S. (107) 297
- Robbins, J.L., see Johnson, J.W. (107) 67
- Rochester, C.H., see Feast, S. (107) 291
- Rojas, D., see Pérez Zurita, M.J. (107) 175
- Rosenfeld, A., see Blum, J. (107) 217
- Runova, E.A., see Karakhanov, E.A. (107) 235
- Sánchez, F., see Corma, A. (107) 225
- Santini, C.C., Scott, S.L. and Basset, J.-M.
Supramolecular approach to metal-support interactions: reactivity of silica-supported bis(allyl)rhodium(III) and the influence of surface hydroxyl groups (107) 263
- Sbrana, G., see Braca, G. (107) 113
- Schmid, G., Emde, S., Maihack, V., Meyer-Zaika, W. and Peschel, St.
Synthesis and catalytic properties of large ligand stabilized palladium clusters (107) 95
- Scholten, J.J.F., see Stobbe-Kreemers, A.W. (107) 247
- Schumann, H., see Blum, J. (107) 217
- Scott, S.L., see Santini, C.C. (107) 263
- Sento, T., see Shimazu, S. (107) 297
- Shchegolikhina, O.I., see Zucchi, C. (107) 313
- Sheldon, R.A.
Selective catalytic synthesis of fine chemicals: opportunities and trends (107) 75
- Shido, T., see Ichikawa, M. (107) 23
- Shimazu, S., Ro, K., Sento, T., Ichikuni, N. and Uematsu, T.
Asymmetric hydrogenation of α,β -unsaturated carboxylic acid esters by rhodium(I)-phosphine complexes supported on smectites (107) 297
- Shirai, M., see Chun, W.-J. (107) 55
- Shivanekar, A., see Beena, B. (107) 347
- Siddiqui, M.R.H., see Feast, S. (107) 291
- Sierralta, A., see Teruel, H. (107) 379
- Sivasanker, S., see Das, T.Kr. (107) 199
- Skordilis, C.S. and Pomonis, P.J.
Heterogenation of water-sensitive organometallic catalysts into layered aluminosilicates (107) 191
- Smirnov, M.Y., Gorodetskii, V.V. and Block, J.H.
Mechanism of surface intermediate formation during the reactions between adsorbed molecules and atoms: NO + H, NO + C, O₂ + H, C₂ + H, on platinum (107) 359
- Smith, H.D., see King, R.B. (107) 145
- Soled, S.L., see Johnson, J.W. (107) 67
- Somorjai, G.A.
The flexible surface: new techniques for molecular level studies of time dependent changes in metal surface structure and adsorbate structure during catalytic reactions (107) 39
- Spindler, F., see Blaser, H.-U. (107) 85
- Stobbe-Kreemers, A.W., Van der Zon, M., Makkee, M. and Scholten, J.J.F.
Palladium salts of heteropolyanions as catalysts in heterogeneous Wacker oxidation of 1-butene (107) 247
- Tannenbaum, R.
Radiation enhancement of the catalytic properties of three-dimensional coordination polymers of Ru(II) with diisocyanide ligands (107) 207
- Tempesti, E., see Chateau, L. (107) 367
- Teruel, H. and Sierralta, A.
Dioxomolybdenum(VI) complexes: relations between oxygen transfer and ⁹⁵Mo NMR chemical shift (107) 379
- Tomishige, K., see Chun, W.-J. (107) 55
- Török, B., Buci, I., Beregszászi, T., Kapocsi, I. and Molnár, Á.
Transformation of diols in the presence of heteropoly acids under homogeneous and heterogeneous conditions (107) 305
- Torre, G., see Forni, A. (107) 405
- Tsuji, K., see Matsuoka, M. (107) 399
- Tyson, M.A., see Coucouvanis, D. (107) 123
- Uematsu, T., see Shimazu, S. (107) 297
- Ugo, R., Dossi, C. and Psaro, R.
Molecular metal carbonyl clusters and volatile organometallic compounds for tailored mono and bimetallic heterogeneous catalysts (107) 13
- Ugo, R., see Zucchi, C. (107) 313
- Utukin, A.M., see Karakhanov, E.A. (107) 235
- Van Bekkum, H., see Jansen, R.J.J. (107) 241
- Vanderwegen, P., see Baudouil, F. (107) 351
- Van der Zon, M., see Stobbe-Kreemers, A.W. (107) 247
- Van Grondelle, J., see Cunningham, R.H. (107) 153
- Van Santen, R.A.
Computational-chemical advances in heterogeneous catalysis (107) 5
- Van Santen, R.A., see Cunningham, R.H. (107) 153

Van Veldhuizen, H.M., see Jansen, R.J.J. (107) 241
Vitale, G., see Pérez Zurita, M.J. (107) 175
Weigt, A., see Bischoff, S. (107) 339
Wiemers, K.D., see King, R.B. (107) 145
Willock, D.J., see Feast, S. (107) 291
Yamaguchi, M., see Ichikawa, M. (107) 23
Yamashita, H., see Matsuoka, M. (107) 399

Zhdanov, A.A., see Zucchi, C. (107) 313
Zucchi, C., Shchegolikhina, O.I., Borsari, M., Cornia, A., Gavioli, G., Fabretti, A.C., Rentschler, E., Gatteschi, D., Ugo, R., Psaro, R., Pozdniakova, Y.A., Lindeman, S.V., Zhdanov, A.A. and Pályi, G.
Cyclooligosiloxanolate cluster complexes of transition metals and lanthanides (107) 313