

Cumulative Author Index 1990

- Abbattista, F., 3653
 Abbott, A. P., 1449, 1453
 Abe, R., 55
 Abu-Eittah, R., 293
 Abu-Raqabah, A., 3293
 Acree Jr, W. E., 307, 2197, 2853
 Adams, P. A., 1797, 1803
 Agashe, M. S., 1781
 Agirbas, H., 3303
 Aguilar-Navarro, A., 2063
 Ahluwalia, J. C., 905
 Aissi, C. F., 2775
 Ajiboye, S. I., 65
 Akhter, S., 2271
 Akratopulu, K. Ch., 3437
 Albalat, R., 1845
 Albers, P., 3671
 Alberti, A., 3207
 Al-Bizreh, N., 69
 Alfano, J. C., 2503
 Allan, D. C., 1221
 Allan, N. L., 1227
 Allen, G. C., 867, 2641
 Allen, J. M., 2921
 Alonso, J. L., 5, 453, 459
 Alsdorf, E., 2307
 Alves, A. C. P., 3341
 Alves Marques, M., 471
 Amin, S., 1899
 Amos, R. D., 1931
 Ananthaswamy, J., 81
 Anastasi, C., 2553
 Anderko, A., 2823
 Anderson, J. A., 571
 Anderson, M. W., 3039
 Anderson, P., 3093
 Anderson, R. A., 1425
 Anderson, R. W., 1681
 Andersson, S. L. T., 2783, 3153
 Andini, S., 3567
 Andre, J. C., 2145
 Andreu, R., 937
 Andrews, D. L., 3051
 Ángyán, J. G., 3461
 Aojula, K. S., 1851
 Aquilanti, V., 1681
 Araya, A., 1001
 Archer, M. D., 763
 Arena, F., 2663
 Armstrong, R., 675, 683
 Arnaud-Neu, F., 89
 Arthur, N. L., 1407
 Asakura, K., 1015, 2645, 2657
 Ashcroft, S. J., 145
 Ashfold, M. N. R., 213, 223, 2027, 2921
 Ashwell, G. J., 1117
 Ashworth, S. H., 1995
 Aso Samper, E. J., 1873
 Atherton, N. M., 3197
 Atkinson, A., 1307
 Attard, G. A., 2735
 Attwood, D., 1569
 Auerbach, S. M., 1701
 Aveyard, R., 211, 441, 3111, 3623
 Avila, D. V., 3243
 Axon, S. A., 3679
 Ayyoob, M., 1893
 Azumi, T., 253
 Badot, J.-C., 2623
 Baer, M., 1721
 Baffier, N., 2623
 Bagchi, S., 1785
 Baggott, J. E., 27, 223
 Bagley, J. A., 2109
 Baiker, A., 843, 1131
 Bailey, P., 3309
 Baird, T., 2789
 Bald, A., 2225
 Balint-Kurti, G. G., 1741
 Ball, R. G. J., 43, 1257
 Bañares, L., 2063
 Bando, K.-K., 2645
 Baños, L., 2979
 Barelmann, I., 3233
 Barnes, C., 2693
 Bar-on, P., 1593
 Barone, G., 75
 Baros, F., 2145
 Barrer, R. M., 545, 1123
 Barthomeuf, D., 431, 1599
 Bartle, K. D., 855
 Barton Smith, D., 2441
 Barwise, A. J., 137
 Basosi, R., 2575
 Bass, J. S., 3015
 Basumallick, I. N., 3107
 Bateman, J. B., 321, 3577
 Battistuzzi Gavioli, G., 329
 Bayley, J. M., 213
 Becker, D., 3279
 Bednář, B., 1103
 Beitia, F., 795
 Belhekar, A. A., 1781
 Bellobono, I. R., 3273
 Benedetti, L., 329
 Bengtsson, L., 351, 2187
 Bénére, J., 1151
 Bennett, J. E., 3247
 Ben Taârit, Y., 757
 Beran, the late S., 3033
 Berardi, E., 2579
 Bérces, T., 21
 Berg, O. G., 763
 Bergmann, T., 2489
 Bernard, P.-M., 567
 Berry, F. J., 165
 Berry, R. S., 2343
 Bertrán, J., 241
 Bethell, D., 663, 3603
 Bhattacharyya, K., 53
 Bhuiyan, L. B., 3383
 Bigger, S. W., 619
 Billing, G. D., 1663
 Bing, Z., 3145
 bin Hussein, M. Z., 2015
 Binks, B. P., 3111
 Blaisten-Barojas, E., 2351
 Blanco, M. N., 2765
 Blandamer, M. J., 277, 283, 1437, 2209
 Blum, J. K., 3233
 Blundell, N. J., 277, 283
 Boggs, J. E., 2805
 Bogyay, I., 419
 Böhm, J., 2337
 Boiziau, C., 1025
 Bonardet, J.-L., 413
 Bond, G. C., 979, 2297
 Bone, R. G. A., 1931
 Bonnelle, J. P., 2775
 Bonomo, R. P., 2579
 Booker, D. R., 145
 Booth, C., 1569
 Boucher, The late E. A., 2263
 Bouchy, M., 2145
 Bower, J. E., 2537
 Bowker, M., 2693
 Bowman, J. M., 1737
 Brady, M. E., 1573
 Bramble, S. K., 2009
 Branca, M., 403
 Bratt, P. J., 3313
 Bréchnignac, C., 2525
 Bresgunov, A. Yu., 3185
 Briggs, B., 1437
 Briggs, D., 1863
 Brint, P., 223, 3349
 Brooke, F., 2145
 Brown, D. R., 65
 Brown, J. M., 1995
 Brown, M. E., 525
 Brown, N. M. D., 441
 Bruce, J. M., 1483
 Bruckenstein, S., 437
 Bryce, M. R., 1117
 Brzezinski, B., 627, 1777
 Buck, U., 1923
 Buemi, G., 2813
 Buffey, I. P., 2357
 Bülow, M., 881, 1899
 Burch, R., 1607, 2683, 3151
 Burdisso, M., 783
 Burgess, J., 277, 283, 937, 1437, 2209
 Burkhardt, I., 2321, 2329
 Burnett, M. G., 1573
 Burns, W. G., 1443
 Busca, G., 989, 3653
 Bush, D. A., 941
 Butt, J. B., 2911
 Buttar, D., 220
 Buxton, G. V., 1539
 Byers Brown, W., 2357
 Byrne, D. G., 1193
 Cáceres, C. V., 2765
 Cahuzac, Ph., 2525
 Caldin, E. F., 1549
 Callear, A. B., 1763
 Camilleri, P., 2897
 Campbell, C. T., 2725
 Campbell, J. M., 2725
 Candida, M., 3197
 Canosa-Mas, C., 2109
 Cao, C., 623
 Carley, A. F., 2701, 3129
 Carlier, F., 2525
 Caro, J., 3087
 Carrington, A., 1957
 Carturan, G., 739

- Cascella, C., 85
 Cassol, A., 2841
 Castano, F., 795
 Castleman Jr, A. W., 2417
 Castronuovo, G., 85, 3567
 Catlow, C. R. A., 1167, 1183
 Caubet, P., 887
 Caucheteux, I., 1369
 Cavalli, S., 1681
 Centi, G., 2775
 Cervellati, R., 453, 459
 Ceulemans, J., 3299
 Chabanel, M., 3103
 Chadwick, A. V., 1157, 1239
 Chalker, S., 1607
 Chan, D. Y. C., 3585
 Changhai, Xu, 165
 Chao, K.-j., 3167
 Chatterjee, J. P., 3107
 Chatterjee, P., 1785
 Chen, L.-B., 2629
 Chen, R., 623
 Chen, S.-h., 3167
 Chen, Xinhua, 189
 Chenier, J. H. B., 2169, 3321, 3329
 Chern, J.-y., 3167
 Chesters, M. A., 2757, 3491
 Cheval, M., 2719
 Chiba, J., 2877
 Choudary, B. M., 419
 Choudhury, H., 3313
 Chowdhury, P. B., 3313
 Cichocki, A., 753
 Clapp, P. A., 2587
 Claret, J., 1845
 Clark, S., 3111
 Clarke, J. K. A., 2789
 Clary, D. C., 1641
 Cleaver, B., 123
 Clifford, A. A., 855
 Cocchi, M., 777, 783
 Coddington, J. M., 1015
 Cohen, R. D., 2133
 Cohen De Lara, E., 1905
 Cohen Stuart, M. A., 1355
 Colburn, A. W., 2533
 Cole-Hamilton, D. J., 2897
 Coles, B. A., 663, 3603
 Coluccia, S., 703
 Comins, J. D., 1183
 Compton, R. G., 129, 137, 335, 657, 663, 849, 1077, 1517, 2583, 2951, 3603
 Connor, J. N. L., 1627, 1649, 3045
 Conway, B. E., 923
 Conway, S. J., 577
 Cooney, A., 2209
 Cooney, R. P., 1083, 1109
 Cooper, I. A., 1763
 Cooper, P., 211, 3623
 Coq, B., 2297
 Cordischi, D., 403
 Corish, J., 1193, 1317, 2905
 Corma, A., 1001
 Corrigan, O. I., 1317
 Corthouts, J., 603
 Corti, H. R., 1051
 Cosgrove, T., 1323, 1377
 Costa, S. M. B., 2155
 Costello, B. A., 3693
 Costes, M., 887
 Coughlan, B., 1007
 Couves, J. W., 109, 115, 425
 Cowles, H. J., 277, 283, 2209
 Cox, A. P., 1981
 Cox, D. M., 2459
 Cox, P. A., 441
 Craig, R. A., 619
 Craven, R. J. B., 545
 Cray, S. E., 3221
 Creasey, J. C., 2021
 Creegan, K. M., 2537
 Creeth, A. M., 3573
 Cruickshank, F. R., 223
 Cullis, P. M., 591, 1437, 3267
 Dalas, E., 973, 2967
 Danil de Namor, A. F., 89, 501, 1067, 2193
 D'Arrigo, G., 1503
 Das, P. K., 507
 Dash, A. C., 507
 Datka, J., 753
 David, D. E., 2427
 Davies, A. G., 3243
 Davies, H., 955
 Davies, H. L., 2163
 Dawber, J. G., 287
 Dawnay, E. J. C., 1117
 de Beer, E., 2035
 Debnath, R., 1561
 de Forest, L., 1549
 de Frutos, M., 2525
 Degli Esposti, A., 453, 459
 De Hulsters, P., 585
 De Jaegere, S., 603
 De La Cruz, C., 2757
 de Lange, C. A., 2035
 Delhalle, J., 1025
 Della Gatta, G., 75
 Delmastro, A., 3653
 Delmon, B., 715, 723, 731
 Delpuech, J.-J., 2847
 de Mallmann, A., 431
 Dempsey, R. J., 2789
 Derrick, P. J., 763, 2533
 Diamond, D., 3045
 Diaz, A., 2575
 Di Bernardo, P., 2841
 Dickinson, E., 439, 805, 1147
 Didymus, J. M., 1873
 Dikanov, S. A., 3201
 Ding, J., 2243
 Disselkamp, R., 2369
 Dixon, R. N., 1741
 Djafarov, S. F., 519
 Doggett, G., 3045
 Dogra, S. K., 2095
 Doi, T., 3429
 Dolan, A., 3491
 Domen, K., 397, 3021, 3665
 Domínguez, M., 937
 Donaldson, D. J., 2043
 Dong, S., 2243, 3125
 Dorthe, G., 887
 Douglas, P., 1417
 Dreizler, H., 1981
 Drew, M. G. B., 47, 697
 Drummond, C. J., 3613
 Du, N., 2587
 Du, Y., 623
 Dubinsky, A. A., 3185
 Dunmur, D. A., 1113
 Dussa, W., 3349
 Dutkiewicz, M., 2237
 Duxbury, G., 223
 Dwyer, J., 1001
 Dyer, A., 1899, 1909
 Dyet, J. A., 2049
 Dzwigaj, S., 431
 Easteal, A. J., 1109
 Eastoe, J., 511, 2883
 Eaton, G. R., 3181
 Eaton, S. S., 3181
 Echt, O., 2411
 Eda, K., 1583
 Edwards, P. P., 675, 683
 Einfeldt, J., 489
 Einicke, W.-D., 2337
 Ekelmans, G. B., 2083
 Eklund, J. C., 2951
 Elia, V., 85, 3567
 Elimelech, M., 1623
 El-Kourashy, A.-G., 293
 Elliot, A. J., 1539
 Elliot, J. C., 3093
 Emanuel, C., 3003
 Emery, J. R., 1493
 English, C. A., 1263
 Enzo, S., 739
 Eriksson, L. A., 3287
 Espinós, J. P., 3441
 Etori, H., 1561
 Euston, S. R., 805
 Evans, D. F., 2587
 Evans, G. F., 321
 Evans, I. D., 3413
 Evans, M. W., 1041
 Evans, the late J. C., 3221
 Evers, O. A., 1333
 Ewing, G. E., 2369
 Falconer, J. W., 577
 Fasano, L., 3567
 Fay, H. G., 2905
 Feldman, H., 2469
 Feliu, J. M., 1845
 Ferber, N. M., 1619
 Ferenczy, G. G., 3461
 Ferino, I., 193, 2795
 Fernández, A., 3441
 Fernández-Prini, R., 1051
 Ferro, D., 75
 Fichtner-Schmittler, H., 1899
 Fierro, J. L. G., 2765
 Firpo, N., 2765
 Firth, N. C., 2059
 Fisher, A. C., 2951, 3603
 Flack, K. W., 1239
 Flanagan, T. B., 377
 Fleer, G. J., 1333, 1355
 Fletcher, P. D. I., 211, 3111, 3623
 Flower, D. R., 1659
 Fontanesi, C., 329
 Ford, T. A., 3067
 Fordham, P. J., 1569
 Fornasiero, D., 2955

- Fornes, V., 1001
 Forni, L., 193, 2795
 Förste, Chr., 881
 Fowler, P. W., 1019, 1991, 2073
 Fox, M. F., 257
 Fraissard, J., 413
 Freed, J. H., 3173
 Freedman, R. B., 833
 Freeman, R., 1909
 Freer, R., 1281
 Frey, H. M., 27
 Fricke, R., 2307
 Friesel, M., 1293
 Frost, M. J., 1751, 1757
 Frusteri, F., 2663
 Fukuzumi, S., 3531
 Fulka, C., 1389
 Furlong, D. N., 3613, 3637
 Furton, K. G., 3561
 Gabriel, C., 321, 3577
 Galán, M., 937
 Galwey, A. K., 531, 1573
 Gameson, I., 3135
 Gandolfi, R., 783
 Ganteför, G., 2483
 Ganzerla, R., 739
 Garbowski, E., 3027
 Garcia-López, F., 2891
 Gardner, P., 2757
 Garin, F., 2719
 Garley, M. S., 2163
 Garnett, J. L., 875
 Gast, A. P., 1341
 Gausa, M., 2483
 Gazdy, B., 1737
 Gebbie, H. A., 2357
 Gedeon, A., 413
 Gessner, F., 3551
 Getoff, N., 311
 Ghoneim, N., 2079
 Ghousoub, D., 2775
 Gilbert, B. C., 3261
 Gill, D. S., 2847
 Gillan, M. J., 1177
 Gillet, E., 2749
 Gillies, D. G., 3309, 3313
 Gil Llambias, F. J., 2765
 Gilson, D. F. R., 2617
 Ginley, M., 1555
 Giordano, N., 2663
 Girault, H. H., 2249
 Giró, A., 2139
 Golding, P. D., 171, 175
 Goller, M. I., 1147
 Golubkova, N. A., 3545
 Golunski, S. E., 2683, 3151
 Gomes, J. A. N. F., 763
 Gómez, E., 1845
 González-Elipe, A. R., 3441
 Gonzalez Ureña, A., 17, 1017, 2063
 Goold, R. D., 1797, 1803
 Góralski, P., 3103
 Goyal, S., 2361
 Gozzelino, G., 3653
 Grainger, A. M., 1117
 Grant, E. H., 321, 3577
 Grätzel, M., 3671
 Gray, B. F., 597
 Grech, E., 1777
 Greenslade, D. J., 763
 Grice, R., 2059
 Grieser, F., 619, 2955, 3637
 Griffiths, T. R., 1425
 Griffiths, W. J., 2801
 Grigo, M., 489
 Grigor'ev, I. A., 3201
 Grimes, R. W., 233, 1257
 Gritzner, G., 823
 Groeneweg, H., 3159
 Grossi, G., 1681
 Gu, X. J., 1923
 Gucci, L., 419
 Guelton, M., 2775
 Guglielminotti, E., 979
 Guidetti, R., 989
 Guillaumont, R., 2641
 Gulin, V. I., 3201
 Guo, Q., 2693
 Gutman, I., 3373
 Gutschick, D., 2321, 2329
 Guyan, P. M., 1483
 Gyurova, L., 385
 Haas, T., 1889
 Haberland, H., 2473
 Hadjiivanov, K., 385
 Haenel, M. W., 311
 Hahn, M. Y., 2375
 Haines, J., 2617
 Halawani, K. H. M., 1791
 Hall, D. G., 631, 639, 1535
 Halvick, P., 1705
 Hamann, C. H., 3233
 Hamanoue, K., 95
 Hamilton, P. A., 2009
 Han, S., 2341
 Hancock, D. U., 2553
 Handy, N. C., 441, 1931
 Harada, M., 55, 1621
 Harakawa, T., 609
 Harding, J. H., 1239
 Harris, F. M., 2801
 Harris, K. D. M., 1095, 2985, 3135
 Harris, R. K., 223
 Harrison, J. A., 3519
 Harrison, K., 1603
 Harrison, M. R., 675, 683
 Hartree, W. S., 11, 17, 2027
 Hasan, M., 1117
 Hasegawa, K., 3537
 Hashimoto, K., 561
 Hashino, T., 157
 Hashitani, R., 917
 Hassan, K. H., 3341
 Hassan, S. A., 995
 Hatayama, F., 2291, 3659
 Hayan, E., 257
 Hayashi, O., 2277
 Hayes, D., 3637
 Hayhurst, A. N., 763
 Hayward, D., 1493
 Heath, J. P., 3197
 Hedwig, G. R., 3117
 Hegde, M. S., 1893
 Henderson, J. R., 1963
 Hennico, G., 1025
 Henriksson, U., 1555
 Hepler, L. G., 2831
 Herman, Z., 2395
 Herrington, T. M., 671, 2961
 Hervet, H., 1369
 Hessabi, R., 247
 Hey, M. J., 2673
 Heyes, D. M., 1041
 Heywood, B. R., 1873
 Hibi, M., 917
 Hikmat, N. A., 995
 Hillier, I. H., 1399
 Hillman, A. R., 437
 Hills, B. P., 481
 Hindson, A. C., 3237
 Hiraizumi, K., 609
 Hobein, M., 1923
 Hoffmann, R., 553
 Hollas, J. M., 217, 2015, 3341
 Holmberg, B., 351, 2187
 Homer, J., 215
 Hopkins, A. J., 2121, 2593, 3419
 Hopkins, W. A., 47
 Hopkirk, A., 2021
 Horn, I. M., 277, 283, 2209
 Horne, D. S., 1149
 Hosono, H., 811
 Hourston, D. J., 1909
 House, W. A., 849, 1909, 3045
 Hovey, J. K., 2831
 Howard, B. J., 1943
 Howard, J., 205
 Howard, J. A., 219, 2169, 3321, 3329
 Howe, R. F., 1015
 Howells, B. D., 1949
 Howells, M. H., 3495
 Huber, M., 1087
 Hudson, A., 3207
 Huglin, M. B., 3045
 Huizer, A. H., 2083
 Hupfield, P., 3221
 Husain, D., 795
 Hussain, G., 1615
 Hutchings, G. J., 1909
 Hutson, J. M., 1649
 Ilett, S. M., 2673
 Imamura, H., 3489
 Indovina, V., 403
 Inerowicz, H., 3391
 Inoue, Y., 811, 2277, 2611
 Irinyi, G., 3545
 Ishiguro, S-i., 271, 2179
 Ishii, T., 55
 Ishikawa, M., 3531
 Ito, D., 829
 Ito, T., 1139
 Iwamoto, E., 2937
 Iwasawa, Y., 1015, 2645, 2657
 Iyer, R. M., 409
 Jackson, R. A., 3229
 Jacobs, P. W. M., 1197, 1233
 Jafar, S. A., 855
 Jallabert, C., 2819
 Janes, R., 675, 683, 2173
 Jarrett-Sprague, S. A., 1399
 Jarrold, M. F., 2537
 Jarvis, R. D., 2059
 Jemi-Alade, A. A., 3355
 Jensen, J. B., 341

- Jerome, R., 1369
 Jobson, E., 1131
 Jobson, S., 165
 Johansson, L. B.-Å., 1555, 2103
 Johansson, R., 2187
 John, P., 1033
 Johnson, P., 3045
 Johnston, R. L., 3045
 Joly, H. A., 219, 2169, 3321, 3329
 Jones, C. F., 947
 Jones, P., 1013
 Jones, R., 675, 683
 Jones, W. J., 1013
 Jose, C. I., 1781
 Joyal, C. L. M., 2911
 Joyner, R. W., 223, 2675
 Juillard, J., 3395
 Jutson, J. A., 867
 Kacperska, A., 2225
 Kahn, R., 1905
 Kaim, W., 3337
 Kajihara, K., 377
 Kakei, K., 371
 Kalcher, J., 265
 Kaldor, A., 2459
 Kalra, K. C., 2203
 Kamińska-Piotrowicz, E., 3391
 Kamiya, K., 2971
 Kandler, O., 2411
 Kaneko, K., 371
 Kang, C. H., 1477
 Kantcheva, M., 385
 Karge, H. G., 3033
 Kärger, J., 881
 Kasztelan, S., 697
 Kato, R., 361
 Kato, T., 1383
 Kaulgud, M. V., 911
 Kavanagh, A. M., 965
 Kawaguchi, M., 1383
 Keane, M. A., 1007
 Keeble, D. J., 675, 683
 Kella, D., 2469
 Kelly, A. J., 2905
 Kemball, C., 747
 Kemp, T. J., 1909
 Kennedy, R. A., 3495
 Kessel, D., 3081
 Kevan, L., 189, 691, 3015
 Khudyakov, I. V., 3545
 Kikumura, T., 377
 Killmann, E., 1389
 Kim, H., 361
 Kim, I. T., 3693
 Kim, T.-H., 2267
 King, D. A., 2735
 Kirby, E. C., 447
 Kirste, B., 3191
 Kishore, N., 905
 Kiwi, J., 3671
 Klein, J., 1363
 Klinkenberg, W., 2083
 Klinowski, J., 199, 3039, 3679
 Klissurski, D., 385
 Knözinger, H., 389
 Kobal, I., 2283
 Kobayashi, A., 361
 Kobayashi, H., 361, 561
 Kočičik, M., 1103, 3087
 Koda, S., 917
 Koenders, B. G., 2035
 Koga, N., 531
 Kojima, M., 757
 Kojima, T., 55
 Kondo, J., 397, 3021, 3665
 Konrat, R., 265
 Kontturi, A.-K., 819, 931, 3097
 Kontturi, K., 819, 931, 3097
 Koopmans, M. P., 2035
 Kordulis, Ch., 185, 711, 3437
 Kordylewski, W., 3365
 Koresh, J. E., 2267
 Kornmeier, H., 2473
 Koros, W. J., 2267
 Kosche, I., 1899
 Koumanakos, E., 973
 Kouri, D. J., 1705
 Koutsoukos, P. G., 973
 Krämer, R., 301, 627
 Krebber, A. M. L., 3313
 Kreuzer, H. J., 1299
 Kroto, H. W., 2465
 Kuczynski, A. P., 1117
 Kukkadapu, R. K., 691
 Kumamaru, T., 2937
 Kumar, M. R., 899
 Kumar, P., 2203
 Kumar, S. P., 123
 Kunitomo, M., 1583
 Kurimura, Y., 609, 3537
 Kurreck, H., 1087, 3191
 Kusabayashi, S., 3429
 Kuzmin, V. A., 3545
 Kuzuya, M., 2971, 2975
 Lahalle, M. P., 2641
 Lambert, C. R., 3075
 Lambert, I. R., 2021
 Lambert, R. M., 2711
 Lanceleur, P., 1493
 Land, E. J., 3075
 Lang, R., 627
 Langman, S., 3267
 Langosch, H., 2473
 Laría, D., 1051
 Larsson, S., 769
 Latsios, H., 185
 Lauenstein, Ch., 1923
 Lázár, K., 419
 Leaist, D. G., 3093, 3487
 Lebedev, Ya. S., 3185
 Lécayon, G., 1025
 LeDuc, M., 3321
 Lee, B.-S., 1477
 Lee, H. W., 1477
 Lee, I., 1477
 Lees, J. S., 3129
 Lefebvre, F., 757
 Légaré, P., 2719
 Leggett, G. J., 1863
 Le Goff, D., 3103
 Legon, A. C., 1915
 Lehmann, K. K., 2071
 Leisner, T., 2411
 Lena, V., 2775
 Lenarda, M., 739
 Lennon, D., 3491
 Leonard, M. A., 441
 Lercher, J. A., 3039
 Lesclaux, R., 2927
 Lethbridge, P. G., 2405
 Levandier, D. J., 2361
 Levine, R. D., 1669
 Levy, D. H., 2503
 Leyendekkers, J. V., 2231
 Leygnier, J., 2525
 Liang, J., 623
 Lidin, S., 769
 Lightfoot, P. D., 27, 2927
 Lilley, T. H., 2943
 Lindauer, the late G., 2719
 Lindgren, M., 3377
 Lingam, K. V., 899
 Lips, A., 2961, 3413
 Lister, D. G., 453, 459
 Little, M. R., 2109
 Liu, H., 623
 Liu, Y., 2243, 3125
 Lluch, J. M., 241
 Lodding, A., 1293
 Logan, S. R., 61, 615
 Long, M. A., 875
 López, J. C., 5, 453, 459
 López Agudo, A., 2765
 Lorenzelli, V., 989, 3653
 Loveday, D. C., 437
 Lück, R., 3641
 Luckham, P. F., 1363, 3693
 Lund, A., 3377
 Lunell, S., 3287
 Lutz, H. O., 2483
 Lutz, W., 1899
 Luyckx, G., 3299
 Lycourghiotis, A., 185, 711, 3437
 Lyons, M. E. G., 2905
 Mabauchi, M., 157
 MacDonaill, D. A., 1193
 Macdonald, J. N., 2805
 Machej, T., 715, 723, 731
 Machin, W. D., 171, 175
 Maciejewski, M., 843
 Mackrodt, W. C., 1227
 MacLagan, R. G. A. R., 3519
 Macpherson, A. N., 3081
 Macral, R. M., 220
 Maddox, P. J., 425
 Maeda, K., 253
 Magnera, T. F., 2427
 Mahdavi, S. M., 1287
 Mahmood, S., 3253
 Maire, G., 2719
 Makarova, M. A., 581, 3473
 Mäkelä, R., 2569, 3257
 Maken, S., 2853
 Malarski, Z., 1777
 Malcolm-Lawes, D. J., 1909
 Maldonado, A., 539
 Malet, P., 3441
 Malik, R., 2853
 Malinowski, N., 2489
 Malitesta, C., 3607
 Malkin, E., 2469
 Malmgren-Hansen, B., 341
 Malmvik, A.-C., 1555
 Malysheva, L. V., 3473

- Man, P. P., 1599
Mandák, T., 1103
Mangelsdorf, C. S., 2859
Mann, S., 1873
Manolopoulos, D. E., 1641
Manteghetti, A., 1579
Manz, J., 1689
March, N. H., 1203
Marchese, L., 703
Marchettini, N., 2575
Marcus, Y., 495, 2215
Margreiter, D., 2395
Marion, M. C., 3027
Märk, T. D., 2395
Markovitsi, D., 2819
Marquardt, F.-H., 1067
Marshall, W. L., 1807
Marston, C. C., 1741
Márta, F., 21
Martin, K. J., 2209
Martin, T. P., 2489
Martinez, A., 1001
Martinez, M. M., 3383
Martinez, M. T., 1949
Martinez III, S. J., 2503
Maruya, K.-i., 397, 3021, 3665
Masimov, E. A., 519
Masters, T. E., 2005
Matheis, W., 3337
Matolin, V., 2749
Matsuda, M., 1443
Matsumoto, T., 829, 2877
Matsumura, Y., 561
Matsuo, J., 2611
Matsuzaki, I., 3447
Matzke, H., 1243
Mayhew, C. A., 3349
Mayrhofer, W., 823
Mazza, D., 3653
McCabe, T., 2905
McCash, E. M., 2757
McClements, D. J., 1147
McClymont, J. D., 591
McCombie, J., 2361
McCoustra, M. R. S., 2049
McCracken, D. R., 1539
McDougall, G. S., 747
McElroy, W. J., 2557
McGarvey, D. J., 3075
McLean, A. J., 2671, 3075
McNab, I. R., 1957
McQuarrie, D. A., 3585
Meçik, M., 1467
Meiwe-Broer, K.-H., 2483
Meldrum, B. J., 861, 1881, 2997, 3647
Melo, E. C. C., 2155
Meloni, M. G., 2579
Mengual, J. I., 2891
Merke, I., 1981
Merkin, J. H., 597
Michalik, M., 753
Michl, J., 2427
Micke, A., 3087
Midmore, B. R., 671, 2961
Miehle, W., 2411
Miessner, H., 2321, 2329
Mifsud, A., 959
Migita, C. T., 2565
Miheeva, L. M., 519
Miklazky, E., 2469
Mile, B., 219, 2169, 3321, 3329
Millar, G. J., 571
Miller, J. C., 2441
Miller, S., 1963
Miller, W. H., 1701
Mills, A., 955, 1417, 2163, 3405
Mills, I., 223
Millward, D., 1001
Milner, S. T., 1349
Mirth, G., 3039
Mishima, S., 3447
Mitchell, P. C. H., 47, 697
Miyake, H., 3429
Miyake, M., 2303
Miyata, H., 2291, 3659
Miyoshi, H., 815
Mizutani, S., 2975
Möbius, K., 1087
Molero, M., 35
Monaci, R., 193, 2795
Monk, P. M. S., 2583, 3597
Moorman, M. B., 525
Morazzoni, F., 1587
Morcom, K. W., 2209
Morelli, R., 3273
Moreno, M., 241
Morgan, A. R., 3081
Morgan, S., 2417
Mori, H., 815
Morterra, C., 2321, 3003
Mortimer, M., 2673
Mouche, E., 1905
Moyá, M. L., 937
Mucalo, M. R., 1083
Muga, J. G., 1669
Mukherjee, T., 1483
Muller, C., 1845
Munch, M. R., 1341
Munro, I., 3081
Munuera, G., 3441
Münzel, H., 651
Murata, K., 361
Murphy, S. M., 1263
Murthy, N., 105
Murtomäki, L., 819, 931
Mwakibete, H., 1511
Naaman, R., 2043, 2469
Nag, A., 53
Nagasawa, H., 2303
Nagayama, Y., 2303
Naito, S., 157
Nakai, S., 2971
Nakajima, T., 3447
Nakamura, J., 2725
Nakatani, J., 1885
Nakayama, M., 2565
Nakayama, T., 95
Nallet, F., 2253
Nandan, D., 409
Nasser, A., 1593
Nath, J., 645, 3399
Natraj, H. B., 3455
Naulin, C., 887
Neagle, W., 181
Neissendorfer, F., 2307
Neuhauser, D., 1721
Neumann, M. G., 3551
Ngoepe, P. E., 1183
Nicol, J. M., 205
Niedzielski, J., 1
Niethammer, D., 3191
Niinikoski, P., 3097
Nishio, E., 1561
Nix, R. M., 2711
Noda, S., 811
Noguchi, A., 2971, 2975
Nomura, H., 917
Northing, R. J., 335, 1077
Oates, G., 2673
Offer, A., 1659
Ogino, Y., 1885
Ogura, K., 2565
Ohno, T., 2291, 3659
Ohshima, K., 1561
Ohtaki, H., 2179
Okabayashi, H., 1561
Okubo, T., 151, 2871
Okura, I., 811
Oldfield, C., 833
Olech, A., 753
Oliva, C., 193, 2795, 3273
Oliveira, V. A., 3551
Olsson, U., 2253
O'Malley, P. J., 1001
Onishi, T., 397, 3021, 3665
Ono, T., 2291, 3659
Onwood, D., 233
Oreg, Y., 1721
Orio, L., 3003
Ortiz de Zárate, J. M., 2891
Osada, Y., 609
Oschwald, M., 2473
O'Toole, L., 3349
Ottaviani, M. F., 3211
Outhwaite, C. W., 35, 3383
Overill, R., 441
Ozawa, S., 1885
Ozeki, S., 371
Ozutsumi, K., 271
Paál, Z., 3159
Paál-Lukács, J., 3159
Packer, K. J., 3491
Padró, J. A., 2139
Palepu, R., 1535
Palmer, T. F., 1949
Palmieri, P., 453, 459
Papadopoulos, M. G., 3525
Park, Y.-y., 55, 1621
Parkyn, N. D., 223
Parmaliana, A., 2663
Parr, A. D., 2109
Parry, D. E., 2801
Pate, B. H., 2071, 2361
Patel, S. U., 215
Patwarthan, S. R., 3455
Paukshtis, E. A., 3473
Paul, A., 2095
Payne, M. C., 1221
Peasgood, S., 1147
Pei, S., 3145
Pelssers, E. G. M., 1355
Peltre, M. J., 1599
Perks, J. M., 1263
Persson, J. L., 2375

- Pethrick, R. A., 441, 1493
Pettifor, D. G., 1209
Pfaff, J., 2049
Pfeifer, H., 881
Piacente, V., 75
Pickup, P. G., 3631
Pieri, I., 193, 2795
Pilkington, M. B. G., 663
Ping, G., 923
Piwowarska, Z., 753
Plato, M., 1087
Pletcher, D., 1851
Podmore, I. D., 3267
Pogni, R., 2575
Pointud, Y., 3395
Poluektov, O. G., 3185
Pomonis, P., 185, 711
Ponti, A., 3273
Popa, V. T., 789
Pope, C. G., 747, 3683
Portanova, R., 2841
Potzinger, P., 1407
Povey, M. J. W., 1147
Pradhan, J., 507
Predel, B., 3641
Prestidge, C. A., 1377
Prica, M., 619
Price, T. J., 965
Primet, M., 567, 3027
Pritchard, H. O., 3171
Pritchard, J., 1889, 2743
Pritchard, K. L., 129
Procházka, K., 1103
Prusti, J., 507
Puchalska, D., 1467
Pudney, P., 2693, 2757
Purnell, J. H., 3561
Pushpa, K. K., 409
Pyper, N. C., 675
Queen, A., 1549
Quine, R. W., 3181
Rageb, S. M., 1239
Raineri, F. O., 1057
Ramsden, J. J., 1527
Randall, R. W., 1943
Randell, J., 1981
Rao, T. K. G., 899
Rashmi, 3399
Rastelli, A., 777, 783
Ray, U., 2537
Rayment, T., 965
Reading, J. F., 3117
Rebenstorf, B., 2783, 3153
Recknagel, E., 2411
Reddy, N. K., 1569
Reed, N. M., 2749
Rees, L. V. C., 3687
Rego, C. A., 1915
Reichardt, C., 519
Reimann, B., 1407
Reiner, M., 1389
Remy, M., 715, 723
Reschetilowski, W., 2337
Resina Rodrigues, J., 471
Rhodes, C. J., 3303
Richardson Jr, J. W., 2341
Richmond, P., 441
Richter, U-B., 311
Richter-Mendau, J., 2307
Riekert, L., 881
Ritt, M. C., 89
Roberts, M. W., 223, 763, 2701, 3129
Robinson, B. H., 511, 833, 2883
Robinson, J. N., 2897
Rochester, C. H., 181, 571, 577, 861, 1881, 2997, 3647
Rodehüser, L., 2847
Roduner, E., 220
Romannikov, V. N., 581
Römel, J., 1689
Rondelez, F., 1369
Rosseinsky, D. R., 2583, 3597
Rotunno, T., 3607
Roussel, P., 2927
Roux, D., 2253
Rowlands, C. C., 3221
Rozière, J., 1579
Rubinstein, I., 1857
Rudolph, A., 1923
Ruhland, T., 3557
Ruiz, P., 715, 723, 731
Russell, D. K., 441
Russell, T., 1417
Sabbatini, L., 3607
Sachs, H., 1033
Sachtler, W. M., 2313
Saini, R., 645
Sakai, Y., 55
Sakamoto, Y., 377
Sakata, Y., 397, 3489
Sakurai, Y., 3429
Salama, T. M., 467
Saleh, J. M., 995
Salomon, M., 501, 2193
Salvato, A. V., 2027
Sánchez, F., 937
Sanderson, N. P., 1873
Sandy, I. M., 1117
Sapers, S. P., 2043
Sarada, S., 81
Sarpal, R. S., 2095
Sarpal, S. K., 1411
Sarre, P. J., 2005
Sarrett, M., 1845
Sartorio, R., 85
Sasaki, Y., 361
Sass, C. E., 189
Sato, K., 2277, 2611
Sawamura, K., 1071
Saxton, J., 1471
Scarano, D., 703
Schatz, G. C., 1729
Scheutjens, J. M. H. M., 1333
Schiatti, E., 777, 783
Schierhorn, E., 1899
Schiffman, D. J., 819, 931, 1449, 1453
Schlag, E. W., 2511
Schmalzried, H., 1273
Schmelzer, N., 489
Schnarr, K., 651
Schöllner, R., 2337
Schomäcker, R., 2253
Schreier, E., 2307
Schriver, K. E., 2375
Schwartz, M., 593
Schwenke, D. W., 1705
Schwing-Weill, M. J., 89
Scoles, G., 2071, 2361
Scott, S. K., 3365
Scotti, R., 1587
Searle, T. M., 441
Segal, E., 789
Seibold, K., 3671
Seigneurin, A., 1579
Selli, E., 3273
Selzle, H. L., 2511
Senegačnik, M., 2283
Serna, C. J., 959
Sevilla, M. D., 3279
Shahid, G., 2757
Sheil, M. M., 2533
Shen, D., 3171, 3687
Sheppard, N., 763, 1615, 2757
Shigehara, K., 609
Shiotani, M., 3377
Shishan, S., 3145
Shohoji, B., 3197
Shy, D-s., 3167
Siegel, H., 2337
Siew, D. C. W., 1109
Sijpkens, A. H., 1461, 2943
Simons, J. P., 11, 17, 1949
Sims, H. E., 1443
Singh, K. C., 2203
Singh, K. K., 683
Singh, P. P., 2853
Sjöqvist, L., 3377
Skácel, F., 341
Smart, R. St. C., 947
Smith, D. J., 2059
Smith, I. W. M., 1751, 1757
Smith, J. A. S., 763, 3045
Smith, J. V., 2341
Smith, R. H., 1403
Smith, S. J., 2109
Sobczyk, L., 1777
Söderman, O., 1555
Södervall, U., 1293
Soffer, N., 495
Softley, T. P., 1969
Solar, S., 311
Sole, K. C., 525
Solinas, V., 193, 2795
Solymosi, F., 389
Somsen, G., 1461, 2943
Song, S., 3125
Sonntag, E., 1899
Sørensen, T. S., 341, 1815
Sotani, N., 1583
Sousa Oliveira, M. A., 471
Spencer, M. S., 2683, 3151
Špirko, V., 1991
Spiro, M., 3573
Spoto, G., 703, 2321
Squire, G. D., 1607
Srivastava, T., 105
Stace, A. J., 2069, 2405
Stamatovic, A., 2395
Stedman, G., 3561
Steenbergen, H. P., 1407
Stell, the late J. K., 3261
Serk, H., 265
Steyler, D. C., 511, 2883
Stickland, R. J., 2921

- Stoneham, A. M., 1215
 Stothard, N. D., 2115
 Strange, J. H., 1239
 Strey, R., 2253
 Strzelecka, H., 2819
 Sueki, M., 3181
 Sugawara, M., 253
 Sulikowski, B., 199
 Summersgill, J. P. L., 1943
 Sun, H., 1649
 Sun, Q., 1737
 Suppan, P., 2079
 Surya, A., 105
 Sutcliffe, B. T., 3045
 Sutcliffe, L. H., 3309, 3313
 Suzuki, H., 2179
 Suzuki, T., 371, 1071, 2303
 Swallow, A. J., 1483
 Symons, M. C. R., 591, 1909, 2173, 3267, 3293
 Szablewski, M., 1117
 Szejgis, A., 2225
 Tabata, Y., 95
 Tabellout, M., 1493
 Tabner, B. J., 3253
 Tabner, V. A., 3253
 Taday, P. F., 217
 Taga, K., 1561
 Tagawa, S., 95
 Takagi, T., 3429
 Takahashi, A., 1383
 Takahashi, S., 253
 Takeda, H., 3429
 Takenaka, S., 3429
 Tamizi, M., 115
 Tanabe, K., 467
 Tanaka, H., 531
 Tanaka, T., 467
 Tanaka, Y., 2971, 2975
 Taniewska-Osińska, S., 2225, 3103
 Tanizawa, Y., 1071
 Tanner, G., 2473
 Tashiro, T., 1139
 Tasker, P. W., 1311
 Taylor, A. O., 2743
 Taylor, M. J., 1109
 Teixeira, J., 1503
 Temperley, H. N. V., 1909
 Tennyson, J., 763, 1963
 Terazima, M., 253
 Teter, M. P., 1221
 Thampi, K. R., 3671
 Than, C., 875
 Thomas, H. J., 2765
 Thomas, J. M., 581, 1095, 2985, 3135, 3473
 Thomason, M., 1511
 Thrush, B. A., 3355
 Tietje-Girault, J., 2249
 Tilley, R. J. D., 3129
 Timmermann, E. O., 1057
 Toi, K., 1139
 Tokuda, S., 2291, 3659
 Tolazzi, M., 2841
 Tole, P., 1019
 Tomat, G., 2841
 Tomiyasu, H., 55, 1621
 Tomlin, A. S., 3365
 Torrance, C. A., 3197
 Tóth-Boconádi, R., 1527
 Townsend, P. D., 1287
 Traboulssi, R., 501, 1067, 2193
 Trifirò, F., 2775
 Tripathi, S., 3603
 Truhlar, D. G., 1705
 Trullàs, J., 2139
 Truscott, T. G., 2671, 3075, 3081
 Tsang, S. C., 1607
 Tsuchiya, S., 3489
 Tsvetkov, Yu. D., 3201
 Tucker, S. A., 307, 2197
 Tuckett, R. P., 2021
 Turner, J. C. R., 145, 763
 Turner, P. S., 947
 Turulski, J., 1
 Tutchter, B., 2027
 Tuzar, Z., 1103
 Tzeng, W. B., 2417
 Uggerud, E., 2533
 Unwin, P. R., 137, 657, 849, 1517
 Upham, J. E., 2405
 Urch, D. S., 247
 Ushida, K., 95
 Vager, Z., 2469
 Vaida, V., 2043
 Valencia, E., 539
 Valenzuela, R., 2979
 Vallino, M., 3653
 Van den Bosch, A., 3299
 van Eijk, A. M. J., 2083
 Van Phat, N., 1899
 Vansant, E. F., 585
 Varma, C. A. G. O., 2083
 Vayer, M., 2719
 Veber, M., 2819
 Vedenev, A. A., 3545
 Verdasco, E., 1017
 Vergés, M. A., 959
 Vernon, M. L., 1233
 Veyret, B., 2927
 Vickerman, J. C., 1863, 2749
 Villafuerte-Castrejón, M. E., 2979
 Villamañan, M., 5
 Vincent, B., 223, 1377
 Vinckier, C., 603
 Vink, H., 2607
 Vlad, M. O., 789
 Volontè, S., 1587
 von Maltzan, B., 1087
 Vorob'eva, G. A., 3185
 Vos, J. G., 2905
 Vuolle, M., 2569, 3257
 Vyas, S. N., 3455
 Waite, J., 3525
 Wakeham, W. A., 763
 Walder, G., 2395
 Wales, D. J., 3505
 Walker, A., 2027
 Walker, C. T., 849
 Walker, D. R. B., 2267
 Walker, R. W., 2115
 Waller, A. M., 335, 2583, 2951
 Walsh, R., 27
 Walters, A., 1949
 Walton, J. C., 3237
 Wang, E., 2243
 Wang, Z.-C., 3641
 Warwick Jr, P., 2209
 Washio, M., 95
 Watanabe, K., 2303
 Watts, I. M., 27
 Waygood, S. J., 2109, 2557
 Wayne, R. P., 223, 1909, 2109
 Webb, B. S., 3051
 Webster, B. C., 220
 Wei, S., 2417
 Wells, B. H., 43
 Wells, C. F., 941, 1471, 1791
 West, A. R., 2979
 Western, C. M., 2921
 Whan, D. A., 223
 Whetten, R. L., 2375
 Whitaker, B. J., 2069
 White, J. M., 2271
 White, L. R., 2859
 Whitehead, J. C., 1619
 Whitehead, M. A., 889
 Whittlesey, M. K., 2897
 Wichterlová, B., 3033
 Wilde, C. P., 437
 Williams, C., 581, 3473
 Williams, G., 1013
 Williams, G. A., 2805
 Williams, I. H., 1909
 Williams, K. P. J., 1603
 Williams, P. G., 875
 Williams, R. J. P., 223
 Williamson, D. J., 3491
 Wilson, M. R., 1113
 Winkler, C., 2395
 Winterbottom, F., 1619
 Wokaun, A., 1131
 Wong, Y.-T., 553
 Wood, N. D., 1539
 Woodcock, L. V., 2121, 2593, 3419
 Woodward, C. A., 2069, 2405
 Wormald, C. J., 69
 Worsley, D., 3405
 Wright, G. A., 1083
 Wright, J. D., 109, 115
 Wrinn, M. C., 889
 Wurzbürger, S., 85
 Wyatt, R. E., 1641
 Wyn-Jones, E., 1511, 1535
 Xiexian, G., 3145
 Xu, Y., 425
 Yahya, R., 2297
 Yamachika, M., 815
 Yamada, A., 609
 Yamagiwa, S., 1383
 Yamaguchi, T., 467, 1621
 Yamamoto, M., 157
 Yamamoto, Y., 811
 Yamashita, M., 609
 Yan, M., 3279
 Yan, S., 2701
 Yanagihara, Y., 2971
 Yariv, S., 1593
 Yeo, G. A., 3067
 Yin, D., 623
 Yokoyama, T., 2937
 Yoneyama, H., 815
 Yong, Y.-S., 1015
 Yoshida, S., 561

Yoshida, T., 1561	Zarkadis, A. K., 3229	Zibrowius, B., 2307
Yoshino, M., 3489	Zaslavsky, B. Yu., 519	Zikánová, A., 881
Young, W. K., 2883	Zecchina, A., 703, 2321	Znaidi, L., 2623
Yuan, P., 593	Zeigan, D., 2307	Zones, S. I., 3467
Zajfman, J., 2469	Zhan, R., 3125	Zoroddu, M. A., 2579
Zalotai, L., 21	Zhang, J. Z. H., 1701	Zubowa, H-L., 2307
Zamaraev, K. I., 581, 3473	Zhang, T., 623	Zukoski IV, C. F., 2629
Zambonin, P. G., 3607	Zhang, Z., 2313	Zundel, G., 301, 627, 3557
Zanonato, P. L., 2841	Zhao, M., 1705	Zvaigzne, A. I., 307, 2197
Zanoni, R., 739	Zhou, Y., 2271	

The following papers were accepted for publication between 20th and 31st August 1990:

Molecular mechanisms of dielectric relaxation of highly polar liquids **V. I. Gaiduk, T. A. Novskova and V. V. Brekhovskikh**

Fourier-transform infrared study of the oxidative thermolysis of tetramethyltin in the temperature range 533–613 K **P. G. Harrison, E. N. Clark, A. Ashworth and J. McManus**

Surface fractal dimension of microporous carbon fibres by nitrogen adsorption **K. Kaneko, M. Sato, T. Suzuki, Y. Fujiwara, K. Nishikawa and M. Jaroniec**

Triplet–triplet and singlet–singlet energy-transfer studies between t-stilbene and 7-amino coumarin laser dyes **J. P. Mittal, K. I. Priyadarsini, D. B. Naik and P. N. Moorthy**

Ex-hydroxide magnesium oxide as a model adsorbent for investigation of micropore-filling mechanisms **M. Ribeiro Carrott, P. J. M. Carrott, M. Brotas De Carvelho and K. S. W. Sing**

Kinetics of the reactions of CH_3O and CD_3O with NO **M. F. Golde, J. A. McCaulley, A. M. Moyle, S. M. Anderson and F. Kaufman**

External surface adsorption of uranyl–hydroxo complexes on zeolite particles in relation to the double-layer potential **R. F. C. Vochten, L. Van Haverbeke and F. Goovaerts**

The calculated energetics of torsional motion in aromatic polymers **J. Kendrick**

Properties of Rh-exchanged $\text{SiO}_2\text{--Al}_2\text{O}_3$ sol–gel catalysts **P. A. Sermon, T. J. Walton, M. A. Martin Luengo and M. S. W. Vong**

The photolysis of HOCl at 248 nm in a supersonic molecular beam: laser-induced fluorescence spectra of OH **J. G. Frey, A. J. Bell, P. R. Pardon and C. G. Hickman**

Kinetics of the reaction of silicon with molecular bromine **E. A. Ogryzlo and Z. H. Walker**

Electrochemical and electrical properties of poly(hexachlorobuta-1,3-diene), an electrochemically graphitized film **H. Nishihara, H. Harada, S. Kaneko, M. Tateishi, K. Aramaki and R. W. Murray**

Adsorption of CO at a copper electrode intermediately formed in electrochemical reduction of CO_2 **Y. Hori, A. Murata and Y. Yoshinami**

EPR and proton ENDOR studies in single crystals of potassium hydrogen thiodiacetate **K. V. Lingam, M. R. Kumar and G. T. K. Rao**

Influence of viscosity on the thermal vibrations of a lamellar liquid crystal **J. C. Eriksson and S. Ljunggren**

A study of the NH_2O and HNO molecules with vacuum ultraviolet photoelectron spectroscopy **J. M. Dyke, J. Baker, V. Butcher and A. Morris**

Interactions of surfactant monolayers across hydrocarbon liquids **M. L. Gee and J. N. Israelachvili**

The HBO osculating complex in the $\text{B}(^2\text{P}) + \text{OH}(^2\Pi)$ reaction **A. Aguilar, A. Solé and M. Albertí**

Monte Carlo calculation of energy and electron transfer in a monolayer of spheroids **P. Siders**

Vibration–vibration energy transfer from $\text{H}_2(\nu=1)$ and $\text{D}_2(\nu=1)$ to selected diatomic and polyatomic hydrides and deuterides **I. W. M. Smith and J. F. Warr**

Oxidation of iodide by persulphate in AOT–oil–water microemulsions **F. Sánchez, E. Muños, C. Gómez-Herrera, M. del Mar Graciani and M. L. Moyá**

FARADAY DIVISION INFORMAL AND GROUP MEETINGS

*Polymer Physics Group***Deformation of Networks**

To be held at the Society of Chemical Industry, London on 12 December 1990

Further information from Dr M. J. Richardson, National Physical Laboratory, Teddington, Middlesex TW11 0LW

*Colloid and Interface Science Group***Functional and Polymeric Surfactants**

To be held at King's College, London on 13–14 December 1990

Further information from Professor B. H. Robinson, Department of Chemistry, University of East Anglia, Norwich NR4 7TJ

*High-Resolution Spectroscopy Group***Wide Amplitude Motion: Experiment and Theory (provisional)**

To be held at University College, London on 17–18 December 1990

Further information from Dr J. Tennyson, Department of Physics and Astronomy, University College London, Gower Street, London WC1E 6BT

*Carbon Group with the Institute of Physics Engineering Division***Carbon in Extreme Environments**

To be held at the University of Warwick on 20 December 1990

Further information from The Meetings Officer, The Institute of Physics, 47 Belgrave Square, London SW1X 8QX

*Molecular Beams and Dynamics Group with CCP6***Chemical Dynamics in the Time Domain**

To be held at the University of Oxford on 21–22 December 1990

Further information from Dr J. M. Hutson, Department of Chemistry, University of Durham, Durham DH1 3LE

*150th Anniversary Congress***Division with Analytical Division: Electrochemical Sensors****Division with Dalton Division: New Electronic Materials: Synthesis, Structure and Spectroscopy**

To be held at Imperial College, London on 9–12 April 1991

Further information from Mrs Y. A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN

*Polymer Physics Group***Polymer Physics—a conference to mark the retirement of Professor A. Keller FRS**

To be held at the University of Bristol on 3–5 April 1991

Further information from Dr M. J. Richardson, National Physical Laboratory, Teddington TW11 0LW

*Statistical Mechanics and Thermodynamics Group with the British Liquid Crystal Society***Understanding Self-Assembly and Liquid Crystals**

To be held at the University of Leeds on 3–5 July 1991

Further information from Dr N. Boden, Department of Chemistry, University of Leeds, Leeds LS2 9JT

*Electrochemistry Group***Biennial Group Informal Meeting**

To be held at the University of Salford on 16–18 September 1991

Further information from Dr S. P. Tyfield, C.E.G.B., Berkeley Nuclear Laboratories, Berkeley, Gloucestershire GL1 9PB

*Division***Autumn Meeting: Spectroscopy in Environmental Science**

To be held at the University of York on 24–26 September 1991

Further information from Professor R. E. Hester, Department of Chemistry, University of York, York YO1 5DD

*Division***Annual Congress: Characterisation of Solids and Surfaces**

To be held at UMIST, Manchester on 13–16 April 1992

Further information from Dr J. F. Gibson, The Royal Society of Chemistry, Burlington House, London W1V 0BN

THE FARADAY DIVISION OF THE ROYAL SOCIETY OF CHEMISTRY
IN ASSOCIATION WITH THE HIGH RESOLUTION SPECTROSCOPY AND MOLECULAR BEAMS GROUPS
OF THE FARADAY DIVISION
GENERAL DISCUSSION No. 91

Structure and Dynamics of Reactive Transition States

University of Nottingham, 25-27 March 1991

Organising Committee

Professor J. P. Simons (Chairman)

Dr M. N. R. Ashfold

Dr D. C. Clary

Professor R. N. Dixon

Professor R. Grice

Professor A. Kleyn

Professor I. M. Mills

Professor N. V. Richardson

In the last few years the spectroscopy, reaction dynamics and theoretical communities have combined to mount by far the most serious assault yet seen on the commanding heights of the "transition state" in reactive collisions (and half-collisions). A parallel assault for reactive collisions (and half-collisions) at surfaces is gathering in the foothills. The "spectroscopy of collisions" is likely to grow very rapidly indeed with the advent of femtosecond techniques, resonance Raman probing and multiple photon ionisation resonantly enhanced

via dissociation continuum states.

The Discussion will bring together spectroscopists, dynamicists (both gas phase and surface) and theoreticians, assessing the scene and setting the agenda for some years to follow.

Experimental and theoretical Discussion papers are sought, particularly concerned with (a) probing Transition State Dynamics, and (b) Oriented Systems and Surface Reaction Dynamics.

Further information may be obtained from:

Professor J. P. Simons, Department of Chemistry, University of Nottingham, University Park, Nottingham NG7 2RD.

THE FARADAY DIVISION OF THE ROYAL SOCIETY OF CHEMISTRY
GENERAL DISCUSSION No. 92

The Chemistry and Physics of Small Metallic Particles

The Royal Institution of Great Britain, London, 18-20 September 1991

Organising Committee

Professor J. M. Thomas (Chairman)

Professor A. J. Leadbetter

Dr P. P. Edwards

Professor F. S. Stone

Professor C. R. A. Catlow

There is a growing interest, ranging from the theoretical to the preparative, in dispersed and supported particles of minute dimensions consisting of less than ten and up to several million atoms. These so called sub-colloidal species possess a wealth of electronic, magnetic, chemical and electrochemical properties. They also constitute formidable challenges in regard to evolving reliable methods for their characterization and the determination of their internal and surface structures.

The Discussion will bring together experimentalists and theoreticians from a wide range of disciplines, the aim being to identify the key attributes of present-day knowledge and desirable future trends in a

field which was begun, at the colloidal level, largely by Faraday. Only those particles exhibiting metallic behaviour, interpreted broadly, will be discussed. (Large, gas-phase clusters were the subject of a Faraday Symposium held in December 1989.)

The meeting will be held in the theatre where Faraday lectured on more than a thousand occasions in the building in Albemarle Street where he lived and worked for fifty years. This Discussion coincides with the bicentenary of Faraday's birth and will end with the service commemorating his life and work in Westminster Abbey on Friday, 20 September.

Contributions for consideration by the Organising Committee are invited. Abstracts of about 300 words should be submitted by 31 August 1990 to: **Professor J. M. Thomas, The Royal Institution of Great Britain, 21 Albemarle Street, London W1X 4BS.**

Full papers for publication in the discussion volume will be required by May 1991.

THE FARADAY DIVISION OF THE ROYAL SOCIETY OF CHEMISTRY
SYMPOSIUM No. 26

Molecular Transport in Confined Regions and Membranes

Oxford, 17-18 December 1990

Experimental, theoretical and simulation studies which address fundamental aspects of molecular transport will be discussed in the following main areas:

- Transport of atoms and molecules in pores, zeolite networks and other cavities; time-dependent statistical mechanics of small systems in confined geometries
- Molecular transport through synthetic membranes, biological membranes, smectic liquid crystalline phases and Langmuir Blodgett films; the dynamics of the molecules forming the membrane

c) Diffusion, reorientation, conformational dynamics, viscosity and conductivity of polymer melts, to include papers dealing with bulk systems since the segments of the polymer will move in the anisotropic environment of the complete chain

d) Applications of Brownian dynamics to the study of diffusion in porous media and across membranes including the transport of flexible aggregates such as microemulsions

e) The growth of crystals, colloidal aggregates and droplets on irregular surfaces and in pores

The preliminary programme may be obtained from:

Mrs Y. A. Fish, The Royal Society of Chemistry, Burlington House, London W1V 0BN.

THE ROYAL SOCIETY OF CHEMISTRY, FARADAY DIVISION, SYMPOSIUM 27

The Conformations of Flexible Molecules in Fluid Phases

University of Southampton 16-18 December 1991

Organising Committee

Professor G. R. Luckhurst (Chairman)

Dr J. H. R. Clarke

Dr J. W. Emsley

Dr D. J. Osguthorpe

Dr J. Yarwood

Many molecules are able to exist in a range of different conformations in the fluid phase with distributions which reflect and may even determine the nature of the phase. The experimental and theoretical study of the geometry of the conformations and their distribution is a challenging task. An interdisciplinary approach involving different

experimental techniques and strong interaction with theory is clearly required to stimulate advances in this field. The Symposium aims to assist in these advances by bringing together those concerned with the many aspects, both static and dynamic, of molecular flexibility in fluid phases.

Contributions for consideration by the Organising Committee are welcomed. Titles and abstracts, of about 300 words, should be submitted by 31 January 1991 to: **Professor G. R. Luckhurst, Department of Chemistry, The University, Southampton, SO9 5NH England.** Full papers for publication in the Symposium issue of Faraday Transactions will be required by 20th August 1991.

JOURNAL OF CHEMICAL RESEARCH

Papers dealing with physical chemistry or chemical physics which appear currently in *J. Chem. Research*, The Royal Society of Chemistry's synopsis + microform journal, include the following:

AM1 Studies on the Gas-phase Pyrolysis of Phenyl Acetate **Ikchoon Lee, Chan Kyung Kim and Bon-Su Lee** (1990, Issue 2)

Quantitation of Cross-linking in Alkoxysilane Coatings **Nigel J. Clayden and Peter Palasz** (1990, Issue 2)

Pressure Dependence of the Hammett Acidity Function (H_0). Part 2. Aqueous Sulphuric Acid Solutions **Katsuhiro Tamura, Masami Dan and Takashi Moriyoshi** (1990, Issue 4)

Acidity of Indolecarboxylate and Indolate Anions. A Re-examination of the H_2 -Acidity Function **Manuel Balon, Maria M.A. Muñoz, Carmen Carmona, José Hidalgo and Domingo Gonzalez** (1990, Issue 5)

Conformational Energies of *r*-1,*c*-3-Dimethoxy-*t*-5-methylcyclohexane and *trans*-1,4-Dimethoxycyclohexane by ^1H NMR and MM2/PEOE Calculations **Lars G. Hammarström, Ulf Berg and Tommy Liljefors** (1990, Issue 5)

Analytical Study of Concentrated Chloride Media. Part 1. Solubility and Potential **Catherine Sella and Denise Bauer** (1990, Issue 6)

Intermolecular Calculations on Azine Dimers **Francisco Torrens, José Sanchez-Marín and Francisco Tomás** (1990, Issue 6)

Activity Coefficients in Mixed-electrolyte Solutions at 25°C: Sodium Chloride–Sodium Acetate–Water and Sodium Chloride–Sodium Propionate–Water Systems **Miguel A. Esteso, Felipe F. Hernandez-Luis, Luis Fernandez-Merida and Oscar M. Gonzalez-Diaz** (1990, Issue 8)

Thermo-solvatochromism of a Pyridinium *N*-Phenoxide Betaine Dye in some Binary Solvent Mixtures **Romuald I. Zalenski, Izabella Adamczewska and Christian Reichardt** (1990, Issue 9)

Analytical Study of Concentrated Chloride Media. Part 2. Distribution Coefficient in Liquid–Liquid Extraction **Catherine Sella and Denise Bauer** (1990, Issue 9)

Call for Papers

Division of Colloid and Surface Chemistry of the American Chemical Society

Symposium Announcement

Electrochemistry in Microheterogeneous Fluids

25-30 August 1991
202nd ACS National Meeting, New York, NY

Experimental and theoretical studies which address fundamental and applied aspects of electrochemistry in microheterogeneous fluids will be discussed. The range of microheterogeneous fluids to be examined includes micellar solutions, microemulsions, emulsions, latexes, and dispersions of solids in liquids. Examples of suitable topics include, but are not limited to, the following: electrosynthesis, electrocatalysis, electroactive solute distribution and transport, interphase transport kinetics, redox and electron transfer phenomena in colloidal semiconductors, metal colloid formation, particle sizing, particle diffusion, and micelle assisted electroanalytical methods.

Titles and abstracts (200-300 words) on standard ACS abstract forms should be submitted by 31 March 1991 to either of the symposium organizers. It is anticipated that the proceedings will be published. Full papers for refereed review will be required by 31 July 1991.

Further information may be obtained from the organizers:

Dr. Ray Mackay
Detector Technical Division
Chemical Research and Development Center
Aberdeen Proving Ground, MD 21010-5423
Telephone: (301) 671-5532
FAX: (301) 671-3160

Dr. John Texter
Photographic Research Laboratories
Eastman Kodak Company
Rochester, NY 14650-2109
Telephone: (716) 477-3019
FAX: (716) 722-2327

NOMENCLATURE AND SYMBOLISM

For many years the Society has actively encouraged the use of standard IUPAC nomenclature and symbolism in its publications as an aid to the accurate and unambiguous communication of chemical information between authors and readers.

Nomenclature. The following publications provide the IUPAC nomenclature rules and guidance on their use:

Nomenclature of Organic Chemistry, Sections A, B, C, D, E, F, and H (Pergamon, Oxford, 1979 edn.)

Nomenclature of Inorganic Chemistry (Blackwell Scientific Publications, Oxford, 1990).

Biochemical Nomenclature and Related Documents (The Biochemical Society, London, 1978).

Where there are no IUPAC rules for the naming of particular compounds or authors find difficulty in applying the existing rules, they should seek the advice of the Society's editorial staff.

Units and Symbols. A detailed treatment of units and symbols with specific application to chemistry, based on the *Système Internationale d'Unités* (SI), is given in *Quantities, Units and Symbols in Physical Chemistry*, published for IUPAC by Blackwell Scientific Publications, Oxford (1988 edn.).

A comprehensive list of IUPAC publications on nomenclature and symbolism appears in the January issue of *J. Chem. Soc., Faraday Transactions*.