

## AUTHOR INDEX

Numbers in parentheses are reference numbers and are included to assist in locating references in which the author's names are not mentioned in the text. Numbers in italics indicate the page on which the reference is listed.

### A

- Acrivós, Andreas, 177  
 Adams, E. Q., 174, 178, *206*  
 Adams, J. F. E., 235, 237, 238, 256, 268, (A1), 269(A1), 270(A1), 272, 273 (A1), 288(A1), 289, 305(A1), 306, 317, *321*  
 Adamson, A. W., 153(B8), 160(B9), 163 (B8), 166(B8), 170(B9), 176(B8), 188, 198(B8), *205*, *206*, *207*  
 Addoms, J. N., 13(M3), 17(M3), *31*  
 Aikman, A. R., 42, *79*  
 Alberda, G., 179(K6), 183(K6), *207*  
 Amundson, N. R., 69, 79, 153, 182(K1), 183(A4, L3), 185, 186, *205*, *206*, *207*  
 Anderson, C. R., 92(A1), *115*  
 Anzelius, A., 153(A3), 180, *206*  
 Aris, R., 183(A4), *206*  
 Aspin, A. A., 228(A3), *322*  
 Ayaki, K., 254, 271(O9), 272, 274, 275, 277, 278(O9), 279(O9), 283, 285, 290, 292, 294(O9), 304(O9), 319(O9), *323*

### B

- Baddour, B. F., 166(G2), 186, 197, *206*  
 Baker, A. G., 235, 237, 238, 256, 268(A1), 269(A1), 270(A1), 272, 273(A1), 288 (A1), 289, 305(A1), 306, 307, *321*  
 Baker, C. N., Jr., 312, *322*  
 Ballantine, D. S., 108(B1), *115*  
 Banchemo, J. T., 16(B1), 17, *30*  
 Barker, G. E., 16(B1), 17(B1), *30*  
 Barker, K. H., 199(G4), *207*  
 Barrer, R. M., 164, *206*, 285, *322*  
 Barrow, R. F., 182, *206*  
 Bauman, W. C., 151, 160, *206*  
 Bay, T., 75, *80*  
 Beaton, R. H., 153(B5), 181, *206*  
 Beaudry, J. P., 246, *322*  
 Beers, N. R., 89(B2), *115*  
 Benedict, M., 121(B3), *145*  
 Bernath, L., 26, *30*  
 Bilous, O., 69, *79*  
 Blasewitz, A. G., 103, *115*  
 Bliss, H., 157, 175, *206*, *208*  
 Blodgett, K., 94, *116*  
 Blumberg, R., 255, 264(B4), 272, 277, 285, 304, 319(B4), *322*  
 Bohart, G. S., 174, 178, *206*  
 Boll, R. H., 16(B1), 17(B1), *30*  
 Bonilla, C. F., 213, 238, 247, 255, 263 (W2), 270(W2), 272, 274, 275, 276 285, 304(W2), 305, *323*  
 Bosanquet, C. H., 101, *115*  
 Boyd, G. E., 153(B8), 160, 163, 166(B8), 167, 170, 176, 198, *206*  
 Bradner, M., 64, *79*  
 Bretton, R. H., 93(M2), *116*  
 Breyer, F. G., 120(B1), *145*  
 Bright, H. A., 215(H3), *322*  
 Brinkley, S. R., Jr., 180(B10), *206*  
 Brodkey, R. S., 8(B4), 11(B4), *30*  
 Bromley, L. A., 8, 10, 11(B4), 12(B3), 13(B3), 19(B3), 20(B5), *30*  
 Brooks, F. R., 152, *206*  
 Brothman, A., 240, 248, 253, 274, 275, 276, 286, *322*  
 Brown, C. O., 288, *322*  
 Brown, G. G., 169(B11), *206*  
 Brown, G. P., 125, 127, *145*  
 Brown, G. S., 42, 45(B4), 64(B4), *79*  
 Brown, R. E., 99, 100(B5), *115*  
 Brownell, L. E., 169, *206*  
 Brunauer, S., 150(B12), 155, *206*  
 Bryant, L. W., 101, *115*  
 Buchberg, H., 27, *30*  
 Bullock, H. L., 289, 317, 318, *322*  
 Burton, L. V., 290, *322*  
 Buslik, D., 247, 260(B10), *322*

## C

- Caddell, J. R., 179(C1), 206  
 Campbell, D. P., 38, 42, 45(B4), 64(B4), 79  
 Carey, W. F., 101(B4), 115  
 Carl, R., 25(M4), 26(M4), 31  
 Carslaw, H. S., 43, 45(C2), 79  
 Cassidy, H. G., 149, 150, 206  
 Castles, J. T., 10(C1), 30  
 Catheron, A. R., 72, 79  
 Ceaglske, N., 42, 79  
 Cheng, G. K., 125, 127(B2), 145  
 Chestnut, H., 42, 79  
 Chilton, T. H., 170, 206, 240, 322  
 Christiansen, C., 113, 115  
 Church, P. E., 89(C2), 115  
 Churchill, R. V., 43, 45(C6), 79  
 Clare, K. E., 312, 322  
 Clark, J. A., 26, 31  
 Close, C. D., 63, 79  
 Coates, J. I., 165(G5), 170(G5), 176, 207  
 Cohen, G. H., 74, 79  
 Cohen, R. K., 148(H3), 168(H2, H3), 195 (H2), 207  
 Cohen, W. C., 52, 79  
 Colburn, A. P., 10, 30, 170, 206  
 Cooke, N. E., 133, 145  
 Coon, G. A., 74, 79  
 Cooperman, N., 313(L3), 314(L3), 322  
 Corrigan, T. E., 156, 207  
 Coulson, J. M., 213, 238, 239(M2), 248, 274, 275, 276, 285, 298(C3, M2), 300, 301, 302, 322, 323  
 D  
 Dallavalle, J. M., 273, 322  
 Danby, C. J., 182(B3), 206  
 Danckwerts, P. V., 249, 250(D2), 251 (D2), 322  
 Davidson, W. F., 101, 115  
 Davis, B. I., 13, 31  
 Davoud, J. G., 182(B3), 206  
 Day, R. S., 13(M3), 17(M3), 31  
 Deming, L. S., 155(B14), 206  
 Deming, W. S., 155(B14), 206  
 DeVaney, F. D., 150(D1), 206  
 DeVault, D., 154, 173, 193(D2), 206  
 Dew, J. E., 22, 25(M4), 26(M4), 30, 31  
 DiNardo, A., 125(B2), 127(B2), 145

- Dobbins, W. E., 114, 115  
 Dodge, F. W., 165, 206  
 Dougherty, E. L., 7(D2), 30  
 Douglas, J., 175, 206  
 Draper, C. S., 42, 79  
 Drew, T. B., 2, 4(D3), 30, 165, 169, 175, 206, 211, 281(D4), 322  
 Dryden, C. E., 165, 175, 177, 206  
 Dwyer, O. E., 84(D3), 115

## E

- Eagleton, L., 157, 175, 206  
 Eckman, D. P., 56, 79  
 Edwards, H. E., 180(B10), 206  
 Eichhorn, J., 151, 160, 206  
 Einstein, H. A., 183(E2), 206  
 Ekedahl, E., 166(S4), 174(S4), 178(S4), 208  
 Emmett, P. H., 155(B13), 206  
 Epstein, P., 197(B1), 206  
 Ergun, S., 169, 206  
 Evans, W. R., 64, 79

## F

- Farmer, W. S., 14, 30  
 Farrington, G. H., 42, 48, 61, 64, 79  
 Feldman, S. M., 240(B5), 248, 253, 274 (B5), 275(B5), 276(B5), 285, 322  
 Ferguson, D. E., 84(F1), 115  
 Fishman, N., 8(B4), 11(B4), 30  
 Fleming, E. P., 100, 116  
 Flügge-Lotz, I., 58, 79  
 Forscher, F., 270(F1), 322  
 Foust, A. S., 15(L2), 18(L2), 19(L2), 27, 30, 31  
 Franks, R. G., 75, 79  
 Fredericks, E. M., 152, 206  
 Fujita, H., 177, 206  
 Furnas, C. C., 153(B5), 181, 182, 206, 244, 322

## G

- Gaffney, B. J., 165, 206  
 Generaux, R. P., 169, 206  
 Gilliland, E. R., 131, 186, 145, 166(G2), 206  
 Gloyna, E. F., 114, 115  
 Glueckauf, E., 82, 83, 99, 116, 165(G5), 170, 176, 193, 198, 199, 206, 207

Goldsmith, S., 313(L3), 314(L3), *322*  
 Goldstein, D. J., 197(B1), *206*  
 Goldstein, S., 182, 186, 197, *207*  
 Goodman, T. P., 51, *79*  
 Gosline, C. A., 89(C2), *116*  
 Grant, E. L., 235(G1), *322*  
 Gray, J. B., 257, 307(G2), 309, 317, 318,  
*322*  
 Greathead, J. A. A., 315(G3), *322*  
 Greenberg, A. E., 113(K1), *116*  
 Greenfield, M., 27(B6), *30*  
 Gregor, H. P., 160, 161, 162, 163(G7), *207*  
 Grossman, J. J., 189, *205*, *207*  
 Gunther, F. C., 21, 22, 23(G1, G2), 26, *30*

## H

Hainsworth, B. D., 72, *79*  
 Hald, A., 229(H1), *322*  
 Halton, E. M., 101(B4), *116*  
 Harnett, R. T., 69(W1), *80*  
 Hatano, Y., 316, 317(Y1), *324*  
 Hatch, L. P., 82, 113, 115(H2), *116*  
 Hawthorn, R. D., 197(B1), *206*  
 Healy, T. V., 99, *116*  
 Herdan, G., 232, 235, 236, 237, 253, 276  
 (H2), 282, *322*  
 Hickman, K. C. D., 28, *30*, 132, *145*  
 Hiester, N. K., 148(H3), 159(V4, V5),  
 160(V5), 161(H6), 162, 166, 167  
 (H4), 168, 171, 181(H6), 185, 186,  
 188(V4), 189(V4), 190(H6), 191(H4,  
 H6), 192(H4), 195(H2, V4), 196, 197,  
 198, 199(V4), 200(V4), 201(V4), *207*,  
*208*  
 Higgins, I., 97, *116*  
 Hillebrand, W. F., 215(H3), *322*  
 Hinshelwood, C. N., 182(B3), *206*  
 Hittman, F., 113(H2), 115(H2), *116*  
 Hixson, A. W., 238, 239, *322*  
 Hoel, P. G., 220(H5), 222(H5), 223(H5),  
 225(H5), 226(H5), 262(H5), *322*  
 Hoffman, J. I., 215(H3, L5), *322*, *323*  
 Holly, C. E., 94(R3), *116*  
 Horrigan, R. V., 93(M2), *116*  
 Hougen, J. O., 46, *80*  
 Hougen, O. A., 153(H7), 165, 171, 179,  
 182, *206*, *207*, *208*  
 Huffman, E. H., 162, 168(V6), 177, *208*  
 Hugill, H. R., 245, *323*  
 Hurt, D. M., 171(H8), *207*

## J

Jacques, G., 183(J1), *207*  
 Jaeger, J. C., 43, 45(C2), *79*  
 Janssen, J. M. L., 70(J1), *80*  
 Jens, W. H., 25, 26, 27, *30*  
 Johnson, E. F., 42, 52, 75, *79*, *80*  
 Johnson, J. D., 296, *322*  
 Judson, B. F., 103, *115*

## K

Kanise, I., 258, 315(Y2), 316, 317(Y1),  
*324*  
 Kasai, K., 245, *322*  
 Kasten, P. R., 182, *207*  
 Katz, D. L., 15(L2), 18(L2), 19(L2), *31*,  
 169(B11), *206*  
 Kaufman, W. J., 113, *116*  
 Kennel, W. E., 25(M4), 26(M4), *31*  
 Keulemans, A. I. M., 152, *207*  
 Kirk, R. E., 288(K2), *322*  
 Kitt, G. P., 199(G4), *207*  
 Klein, G., 113(K1), *116*  
 Klinkenburg, A., 182, *207*, *208*  
 Klotz, I. M., 163, 193(K4), *207*  
 Knudsen, M., 125(K1), 132, *145*  
 Koble, R. A., 156, *207*  
 Kochenburger, Ralph, 68, *80*  
 Kramers, H., 179(K6), 183(K6), *207*  
 Kreith, F., 21, 22(G2), 23(G2), 24(K2),  
 27, *30*  
 Kunin, R., 151, 162, *207*  
 Kurahasi, S., 316, 317(Y1), *324*  
 Kyte, J. R., 130(K2), *145*

## L

Lacey, P. M. C., 246, 247(L1), 253, 254,  
 259, 260(L1), 261(L1), 274, 275, 276  
 (L2), 281(L2), 282, 283(L2), 284(L2),  
 285(L2), 289, 292, *322*  
 Langmuir, I., 94, *116*, 132, *145*, 155(L1),  
*207*  
 Lapidus, L., 162, 182(K1), 183(L3), 185,  
*207*, *208*  
 Lawrance, R. B., 128, 129, 144, *145*  
 Ledoux, E., 182, *207*  
 Lees, S., 42(D1), 46, *79*, *80*  
 LeRoy, N. R., 8(B5), 20(B5), *30*  
 Lipkis, R., 27(B6), *30*

Lloyd, B. A., 94(R3), 116  
 Lofton, W. M., Jr., 313(L3), 314, 322  
 Lottes, P. A., 25, 27, 30  
 Lowery, A. J., Jr., 6(L1), 31  
 Lowry, T. M., 232, 233(L4), 236, 253, 282,  
 323  
 Lundell, G. E. F., 215(H3, L5), 322, 323  
 Lyon, R. E., 15, 18(L2); 19(L2), 31

## M

McAdams, W. H., 2, 5(M2), 6(M2), 13  
 (M3), 17(M3), 25, 26, 31, 280(M1),  
 323  
 MacColl, L. A., 68, 80  
 McCune, L. K., 165, 207  
 McGregor, W. K., 69(S2), 80  
 McKay, W., 42(D1), 79  
 Madden, A. J., 130(K2), 145  
 Mair, B. J., 193, 207  
 Maitra, N. K., 213, 238, 239(M2), 248,  
 274, 275, 276, 285, 298(C3, M2),  
 300, 301, 302, 322, 323  
 Mandelson, J., 238(M3), 323  
 Manowitz, B., 93, 108(M1), 113(H2),  
 115(H2), 116  
 Mantell, C. L., 149, 207  
 Mareck, L. J., 97(W1), 116  
 Maritz, J. S., 255, 264(B4), 272, 277, 285,  
 304, 319(B4), 322  
 Marshall, W. R., 153(H7), 171, 179, 182,  
 207  
 Marshall, W. R., Jr., 133, 145  
 Martin, A. J. P., 152(M4), 171, 207  
 Marx, J. W., 13, 31  
 Matheson, L. A., 200, 207  
 Mawson, C. A., 100(M3), 116  
 Mayer, R. W., 42, 79  
 Mayer, S. W., 170, 171, 200, 207  
 Michaels, A. S., 166(M7), 175(M7), 207,  
 256, 278, 286, 307(M4), 310, 311  
 (M4), 323  
 Minden, C. S., 25(M4), 26(M4), 31  
 Miyauchi, T., 183(M8), 207  
 Moison, R. L., 179(C1), 206  
 Moore, W. B., Jr., 313(L3), 314(L3), 322  
 Morton, R. J., 100(S2), 116  
 Mueller, A. C., 2, 4(D3), 30  
 Myers, L. S., Jr., 153(B8), 163(B8), 166  
 (B8), 176(B8), 198(B8), 206  
 Myers, R. J., 151, 162, 207

## N

Nachod, F. C., 149, 150, 163(N1), 207  
 Nelson, R. L., Jr., 166(N2), 166(H4), 167  
 (H4), 168(H4), 191(H4), 192(H4),  
 207  
 Nichols, N. B., 74, 80  
 Normand, C. E., 125, 145  
 Nukiyama, S., 13, 31  
 Nyquist, H., 41, 80

## O

O'Connell, H. E., 93, 116  
 Offord, A. C., 173(W3), 193(W3), 208  
 O'Gara, P. J., 100, 116  
 Oldenbourg, R. C., 52, 70, 80  
 Oldenburger, R., 42, 71, 80  
 Opler, A., 186, 207  
 Othmer, D. F., 288(K2), 322  
 Oyama, Y., 241, 242, 244(O2), 245, 254,  
 271(O9), 272, 274, 275, 277, 278  
 (O9), 279(O9), 283, 285, 290, 292,  
 293(O2), 294(O9), 295, 297(O5, O7),  
 298(O4), 299(O7), 304(O9), 319(O9),  
 323

## P

Parker, H. M., 99(B5), 100(B5), 115  
 Perry, J. H., 56, 80, 260(P1), 288(P1), 323  
 Pettyjohn, E. S., 93, 116  
 Phillips, R. C., 148(H3), 168(H2, H3),  
 195(H2), 207  
 Picornell, P. M., 25(M4), 26(M4), 31  
 Pierce, D. E., 289, 323  
 Piret, E. L., 130(K2), 145  
 Poiseuille, J. L. M., 125(P1), 145  
 Powell, J. E., 193(S6), 208  
 Pramuk, F. S., 7(P1), 31  
 Puzinauskas, V., 256, 278, 286, 307(M4),  
 310, 311(M4), 323

## Q

Quillen, C. S., 289, 323

## R

Radding, S. B., 166(H4), 167(H4), 168  
 (H4), 191(H4), 192(H4), 207

Ragazzini, J. R., 70, 80  
 Ranz, W. E., 133, 145  
 Regan, W. H., 113(H2), 115(H2), 116  
 Reid, D. G., 86(R1), 116  
 Reswick, J. B., 51, 79  
 Rinaldo, P. M., 13, 17(M3), 31  
 Robbers, J. A., 8(B5), 20(B5), 30  
 Rodebush, W. H., 94, 116  
 Rodger, W. A., 82, 83, 116  
 Rohrmann, C. A., 92(A1), 115  
 Rohsenow, W. M., 26, 31  
 Romie, F., 27(B6), 30  
 Rose, A., 69(W1), 80  
 Rosen, J. B., 182, 184(R1), 198, 207, 208  
 Rossini, F. D., 193(M2), 207  
 Rupp, A. F., 98, 116  
 Russell, D. W., 69(S2), 80  
 Rutherford, C. I., 42, 80

## S

Sakaino, T., 258, 275, 279, 323  
 Santangelo, J. G., 2(W2), 3(W2), 9(W2),  
 15(W2), 31  
 Sartorius, H., 52, 70, 80  
 Schwent, G. V., 69, 80  
 Schubert, J., 160(B9), 170(B9), 206  
 Schumann, T. E. W., 180, 208  
 Scott, R. A., 287, 289, 323  
 Selke, W. A., 175, 208  
 Shedlovsky, L., 150(S3), 208  
 Sherwood, T. K., 125(B2), 127(B2), 131,  
 145  
 Sillén, L. G., 166(S4), 174, 178, 208  
 Silverman, L., 103, 116  
 Simmonds, W. H. C., 315(G3), 322  
 Sips, R., 155, 208  
 Smith, J. C., 257, 311, 312, 323  
 Smith, J. M., 99(B5), 100(B5), 115  
 Smith, R. W., Jr., 180(B10), 206  
 Snaddon, R., 289, 324  
 Soldano, B. A., 167, 206  
 Spedding, F. H., 193, 208  
 Spooner, F. M., 175, 206  
 Stange, K., 230, 231, 232, 233(S4), 234,  
 249, 265(S5), 266(S5), 267(S5), 282,  
 306(S5), 323  
 Stauffer, R. A., 136(S1), 145  
 Staveley, L. A. K., 182(B3), 206  
 Steel, E. W., 114(G1), 115  
 Stene, S., 198, 208

Straub, C. P., 100(S2), 116  
 Struckness, E. G., 100(S2), 116  
 Summerfield, M., 24(K2), 30  
 Synge, R. L. M., 152(M4), 171, 207

## T

Takahashi, Y., 52, 80  
 Tanaka, K., 258, 315(Y2), 324  
 Teller, E., 155(B13, B14), 206  
 Tenney, A. H., 238, 239, 240, 322  
 Thomas, H. C., 153(T2), 179, 180(T1),  
 185, 186, 188, 208  
 Tiede, R. L., 279, 323  
 Tiselius, A., 194, 208  
 Tompkins, E. R., 170, 171, 200, 207  
 Tooley, F. V., 279, 323  
 Torpey, W. A., 28(H3), 30  
 Treybal, R. E., 149, 175(T4), 208  
 Trimmer, J. D., 43, 80  
 Truxal, J. G., 42, 68, 80  
 Tsien, H. S., 42, 80

## V

Van Arsdell, W. B., 152(V1), 208  
 Van Deemter, J. J., 182, 208  
 Van Krevelen, D. W., 248, 274, 275, 276,  
 285, 298(V1), 302, 323  
 Vermuelen, T., 159(V5), 160(V5), 161  
 (H6), 162, 166(H4), 167(H4, V3),  
 168, 171, 176, 177(V3), 178(V2), 181  
 (H6), 183(J1), 186, 188(V4), 189  
 (V4), 190(H6), 191(H4, H6), 192  
 (H4), 195(V4), 197, 198, 199(V4),  
 200(V4), 201(V4), 207, 208  
 Visman, J., 248, 274, 275, 276, 285, 298  
 (V1), 302, 323  
 Vorkauf, H., 93, 116

## W

Walter, J. E., 173, 178, 193(W1), 208  
 Walters, W. R., 97, 116  
 Walton, H. F., 162, 208  
 Weidenbaum, S. S., 213, 214(W1), 238,  
 241, 247, 255, 262(W1), 263(W2), 270  
 (W2), 272, 274, 275, 276, 281(W1),  
 282, 285, 304(W2), 305, 323  
 Weiser, D. W., 97(W1), 116  
 Weiss, J., 173, 193(W3), 208  
 Westhaver, I. W., 193(M2), 207

- Westman, A. E. R., 244, 323  
 Westwater, J. W., 2(W2), 3(W2), 7(P1),  
     9(W2), 15(W2), 31  
 Wheeler, A., 150, 165, 208  
 Wicke, E., 174, 176, 179, 182, 183(W5),  
     208  
 Wilhelm, R. H., 165, 207  
 Wilke, C. R., 165, 208  
 Williams, C., 121(B3), 145  
 Williams, T. J., 69, 80  
 Wilson, J. N., 173, 193(W7), 208  
 Wilson, S., 162, 208  
 Winsche, W. E., 198, 208  
 Woolan, G. N., 240(B5), 248, 253, 274  
     (B5), 275(B5), 276(B5), 285, 322  
 Work, L. T., 289, 323  
 Worley, C. W., 75, 79  
 Wornick, R. C., 289, 324  

Y

 Yano, T., 258, 315(Y2), 316, 317(Y1), 324  
 Young, A. J., 42, 61, 70(Y1), 72(Y1), 80  
 Young, R. S., 289, 324  

Z

 Zadeh, L. A., 70, 80  
 Ziegler, J. G., 74, 80  
 Zuiderweg, F. J., 182(V2), 208