

REFERENCES

- Albertsson PA (1986) Partitioning of cell particles and macromolecules, 3rd Ed., Wiley, NewYork
- Alves V D, Coelho I M (2002) *J Membr Sci* **208**:171
- Anandharamakrishnan C, Nagaraj N, Jayaprakasha GK, Jena BS, Varadaraj MC, Raghavarao KSMS (2003) *Indian patent no. 479/NF/2003*
- Aronoff S and Aronoff EM (1948) *Food Res* **13**: 59
- Ayappa KG (1997) *Reviews in Chemical Engr* **13**:1
- Bailey FE, Callard RW (1959) *J Appl Polymer Sci* **1**:56
- Bailey AFG, Barbe AM, Hogen PA, Johnson RA, Sheng J (2000) *J Membr Sci* **164**:195
- Barbe AM, Bartley JP, Jacobs AL, Johnson RA (1998) *J Membr Sci* **145**: 67.
- Bartolome AP, Ruperez P, Fuster C (1995) *Food Chem* **53**:75
- Barrienger SA, Ayappa KG, Davis EA, Davis T, Gordan J (1995) *J Food Sci* **60**:1132
- Beaudry EG, Lampi KA (1990) *Food Technol* **44(6)**:121
- Belter PA, Cussler EL, Hu WS (1988) *Bioseparations: Downstream Processing for Biotechnology*, Wiley and Sons: New York
- Boland MJ, Hesselink PGM, Papamichael N, Hustedt H (1991) *J Biotechnol* **19**:19
- Bolin HR, Salunke DK (1971) *J Food Sci* **36**: 665
- Bowen WR, Sabuni HAM (1992) *Ind. Eng. Chem. Res* **31**:515
- Brodard F, Romero J, Belleville MP, Sanchez J, Combe-James C, Dornier M, Rios GM (2003) *Sep Purif Technol* **32**: 3
- Bronstedt JNZ (1931) *Z Phys Chem At A* **155**:257

Brooks DE, Bamberger S (1982) in: **Studies on aqueous two phase polymer systems useful for partitioning of biological materials: Materials processing in the reduced gravity environmental of space**, Elsevier Science Publishing Co., Inc.: New York, pp 233

Brooks DE, Sharp KA, Bamberger S, Tamblyn CH, Seaman GVF, Walter H, (1984) *J Colloid Interface Sci* **102**:1

Calabro V, Jiao B L, Drioli E, (1994) *Ind Eng Chem Res* **33**:1803

Cassano A, Drioli E, Galaverna G, Marchelli R, Di Silvestro G, Cagnasso P (2003) *J Food Engg* **57**:153

Chen JP (1989) *J Food Sci* **54**:1369

Cheryan M, (1986) **Ultrafiltration Handbook**, Technomic Publishing Company, Inc, 1st edition Lancaster, Pennsylvania

Cole KD (1991) *Biotechniques* **11**:18

Colin E, Clarke W, Glew DN (1985) *J Phys Chem Ref Data* **14**:408

Cordes A, Kula MR (1986) *J Chromatogr* **376**: 375

Courel M, Dornier M, Herry JM, Rios GM, Reynes M (2000a) *J Membr Sci* **170**:281

Courel M, Dornier M, Rios GM, Reynes M (2000 b) *J Membr Sci* **173**:107

Courel M, Tronel-Peyroz E, Rios GM, Dornier M, Reynes M (2001) *Desal* **140**:15

Cussler EL (1984) *Diffusion*, Cambridge Press, London

Datta AK, (1990) *Chem Engr Prog* **86**: 47

Dainippon Ink and Chemicals. Lina blue A (1985), Technical Information, Tokyo, Japan

Deblay P (1991) Patent No FR 91/13013

Dennison C, Lovrien R (1997) *Protn Expn Purfn* **11**:149

Despande SS, Cheryan M, Sathe K, Salunkhe DK (1982) *Crit Rev Food Sci Nutr* **20**:173

Diamond AD, Hsu JT (1989a) *Biotechnol Tech* **3**: 119

Diamond AD, Hsu JT (1989b) *Biotechnol Bioeng* **34**: 1000

Diamond AD, Hsu JT (1992) *Adv Biochem Eng./Biotechnol* **47**: 89

Dilorio AA, Weathers PT, Cheetham RD (1993) *Appl Microbiol Biotechnol* **37**:457

Durham RJ, Nguyen MH (1993) *J Membr Sci* **87**:181

Edwards DA, Lauger R (1994) *J Phar Sci* **83**:1315

Findley ME, Tanna VV, Rao YB, Yeh CL (1969) *AIChE J* **15**:483

Galaev I, Mattiasson B (1993) *Enzyme Microb Technol* **15**: 354

Gantt E (1981) *Ann Rev Plant Physiol* **32**:327

Gartling DK (1982) in: *A finite element analysis of volumetrically heated fluids in an Axisymmetric enclosure in Finite element in fluids* (Gallagher RH, Norrie DH, Oden JT, Zienkiewicz OC eds.) John Wiley and Sons, New York.

Geankoplis CJ (1993) *Principles of Mass Transfer in: Transport Processes and Unit Operations*, III Edn, Prentice-Hall, London

Girard B, Fukomoto L R (2000) *Crit Rev Food Sci Nutri* **40**: 91

Glazer AN (1994) *J Appl Phycol* **6**:105

Glinenius R (1985) *Desal* **53**:363

Gostoli C (1998) *Fruit Processing* **10**:147

Gostoli C (1999) *J Memb Sci* **163**:75

Grandison AS, Finnigan TJA (1996) in: *Microfiltration in Separation Processes in the Food and Biotechnology Industries: Principles and Applications* (Grandison AS and Lewis MJ eds.), Wood Head Publishing Limited, Cambridge

Gray BH, Gantt E (1975) *Photochem Photobiol* **21**:121.

Hamamoto R, Kamihara M, Ijima S (1996) *J Ferment Bioeng* **82**: 73

Harries PA, Yalpani M, (1985) in: *Partitioning in aqueous two-phase systems: Theory, Methods, Uses and Applications to Biotechnology* (Walter H, Brooks DE, Fisher D eds.) Academic Press, Orlando, Flo, pp 589

Hart RA, Lester PM, Reifsnayden DH, Ogez JR, Bullder SE (1994) *Bio/Technol* **12**: 113

Hartounian H, Floeter E, Kaler EW, Sandler SI (1993) *AIChE J* **39**(12):1976

Herrera A, Boussiva S, Napoleone V Holberg A (1989) *J Appl Phycol* **1**:325

Hinze WL, Pramauro E (1993) *CRC Crit Rev Anal Chem* **24**:133

Hogan PA, Canning RP, Peterson PA, Johnson RA, Michales AS, (1999) *Chem Eng Prog* **51**:200

Huggins ML (1978) *Biotechnol Bioeng* **20**:159

Hummel W, Schutte H, Kula MR (1985) *Appl Microbiol Biotechnol* **21**: 7

Hustedt H, Kroner KH, Kula MR (1985) in: *Partitioning in aqueous two-phase systems: Theory, methods, uses and applications to biotechnology* (Walter H, Brooks DE, Fisher D eds.) Academic Press, New York, pp 529

Hustedt H, Kroner KH, Papamichael N (1988) *Process Biochem* **23**: 129

Hustedt H, Kroner KH, Papamichael N (1989) in: *Separations using aqueous phase systems. Applications in cell biology and biotechnology* (Fisher D, Sutherland IA eds.), Plenum Press, New York

James CS (1995) *Analytical Chemistry of Foods*, Chapman and Hall, New York, pp138

Jaouen P, Lepine B, Rossignol N, Royer R, Quemeneur F (1999) *Biotechnol Tech* **13**:877

Johansson HO, Karlstrom G, Mattiasson B, Tjerneld F (1995) *Bioseparation* **5**:269

- Johansson H-O, Cundh G, Karstorm G, Tjerneld F (1997) *Biochim Biophys Acta* **1335**:315
- Johnson RA, Sun JC, Sun J (2002) *J Membr Sci* **209**:221
- Julian TN, Zenter GM (1990) *J. Control. Res.* **24**:247
- Kaul A, Pereira RAM, Asenjo JA, Merchuk JC (1995) *Biotechnol Bioeng* **48**:246
- Kageyama H, Ishii A, Matsuoka T, Kodera Y, Hiroto M, Matsushima A, Inada Y (1994) *J Mar Biotechnol* **1**:185
- Kester HCM, Pisser J, (1990) *Biotech Appl Bio Chem* **12**:152
- Kjellander R, and Florin E (1981) *J Chem Soc Faraday Trans I* **77**:2053
- Koseoglu SS, Lawhon JT, Lusas EW (1990) *Food Technol* **44**:90
- Kramer A, Twigg BA (1970) *Quality control for the Food Industry*, 3rd Vol 1, AVI Pub. Co. Inc., pp 120
- Kravath RE, Davis JA (1975) *Desal* **16**:151
- Kroner KH, Hustedt H, Grandpa S, Kula MR (1978) *Biotechnol Bioeng* **20**:1967
- Kroner KH, Hustedt H, Kula MR (1984) *Process Biochem* **19**:170
- Kronik M, Grossman P (1983) *Clin Chem* **29**:1582
- Kula MR, Kroner KH, Hustedt H (1982) *Adv Biochem Eng Biotechnol* **24**: 73 .
- Kunz W, Benhabiles A, Ben Aim R (1996) *J Membr Sci* **121**:25
- Lakshminarayanaiah N (1984) *Equations of Membrane Biophysics*, Academic Press, New York
- Lanart I, Auslander D (1980) *Ultrasonics* **18**:216
- Lawson K W and Lloyd D R (1997) *J Memb Sci* **124**:1
- Lefebvre MSM,(1988) *US Patent No.4,781,873*

- Lefebvre MSM, (1992) *US Patent No 5,098,566*
- Levich VG (1962) *Physicochemical Hydrodynamics*; Prentice-Hall: Englewood Cliffs, New Jersey
- Levine ML, Bier M (1990) *Electrophoresis* **11**: 605
- Levine ML, Cabezas H Jr, Bier M (1992) *J Chromatogr* **607**:113
- Levine SA (1982) in: *Materials Processing in the Reduced Gravity of Space* (Rindone GE, Ed.) North-Holland, New York, pp 241
- Loeb S, Bloch MR (1973) *Desal* **13**: 207
- Lowry OH, Rosebrough NJ, Farr AI, Randall RJ (1951) *J Biol Chem* **193**:265
- Luisi PL, Magid LJ (1986) *Crit Rev Biochem* **20**: 409
- McClements DJ (1997) *Crit Rev Food Sci Nutri* **37**:1
- McDonough RM, Fane AG, Fell CJ (1989) *J Membr Sci* **21**:285
- Mengual JI, Otiz De Zarate JM, Pena L, Velazquez A (1993) *J Membr Sci* **82**:129
- Mosqueira FG (1981) *Biotechnol Bioeng* **23**:335
- Mudgett RE (1985) in: *Microwaves in the food processing industry* (Decareau RV, Peterson RA eds.) Academic Press, New York pp. 15
- Mukundan U, Carvallo EB, Curtis WR (1998) *Biotechnol Lett* **20(5)**: 469
- Mulder M (1998) *Basic Principles of Membrane Technology*, II edn, Kluwer Academic Publishers, London
- Murashige T, Skoog F (1962) *Physiol Plant* **15**:473
- Nagaraj N, Chethana S, Jayaprakashan SG, Mahadevaswamy M, Ravishankar GA, Raghavarao KSMS (2003) *Indian Patent no 195/NF/2003*
- Nagaraj N, Narayan AV, Srinivas ND, Raghavarao KSMS (2003) *Anal Biochem* **312(2)**:134

Nagy S, Chen CS, Shaw PE (1993) *Fruit Juice Processing Technology*, in Ag. Science, Inc. Auburndale, Florida.

Narayan AV, Nagaraj N, Hebbar U, Chakkaravarthi A, Raghavarao KSMS, Nene S (2002) *Desal* 147:149

Nilsson T (1970) *Iantbrukshogsk Ann* 36:179

Ogawa M, Tanaka K, Kasai Z (1975) *Agric Biol Chem* 39: 695

Papamichael N, Boerner B, Hustedt H (1992) *J Chem Technol Biotechnol* 54: 47

Patil KR, Tripathi AD, Pathak G, Katti SS (1985) *J Phys Chem Ref Data* 14:408

Persson LO, Johansson G (1989) *Biochem J* 259: 863

Petrotos K B, Lazarides H N (2001) *J Food Engg* 49: 201

Philip T (1984) *Food Technol* 38(12):107

Pillai MG, Jayaprakashan SG, Mahadevaswamy M, Raghavarao KSMS, Ravishankar GA (1996) *Indian Patent* 2504/DEL/96

Popper K, Camirand WM, Nury F, Stanley WL (1964) *Food Engg* 38(4):102

Pszczola DE (1998) *Food Technol* 52:70

Raghavarao KSMS, Rastogi NK, Karanth NG, Gowthaman MK (1995) *Adv Appl Microbiol* 41: 97

Raghavarao KSMS, Guinn MR, Todd P (1998) *Sep Purification Meth* 27:1

Raghavarao KSMS, Stewart RM, Rudge SR, Todd P (1998) *Biotechnol Prog* 14: 922

Raghavarao KSMS, Todd P (2000) *U S Patent No.* 6,090,295

Raghavarao KSMS, Ranganathan TV, Srinivas ND, Barhate RS (2003) *Clean Techn Environ Policy* 5:136

Ranganna S (1986) Handbook of Analysis and Quality Control for Fruits and Vegetable Products 2nd ed, Tata Mcgraw-Hill Publishing Company Ltd., New Delhi

Rastogi NK, Raghavarao KSMS, Nagaraj N, Subramaniam R, Maya Prakash (2003) Indian Patent No. 431/DEL/03

Rito Palamares M, Lyddiatt A (1996) J. Chromatogr B 680:81

Rito-Palamares M, Dale C, Lyddiatt A (2000) Process Biochem 35: 665

Rito Palamares M, Nunez L, Amador D (2001) J Chem Technol Biotechnol 76:1273

Robinson RG, Stokes RH (1960) Electrolyte Solutions; Butterworth: London

Rodriguez-Saona LE, Giusti MM, Durst RW, Wrolstad RE (2001) J Food Proc Pres 25:165

Rogers RD (1997) Tenth International Conference on Partitioning in Aqueous Two-Phase Systems, University of Reading, England, 10-15 August

Rudge SR, Todd P (1990) in: Protein Purification from Molecular Mechanism to Large-Scale Processes (Ladisch MR, Willson RC, Painton C.-d C, Builder SE Eds) ACS Symposium Series 427; American Chemical Society: Washington, DC; pp 244

Sakai K, Ano TK, Muroi T, Tamura M (1988) Chem Eng J 38:B33

Sarti GC, Gostoli C, Matulh S (1985) Desal 56:345

Scamehorn JF, Harwell JH (1988) in: Surfactants in chemical/process engineering (Wasan DT, Ginn ME, Shah DO eds.) Marcel Dekker, New York Vol 28, pp 77

Schimidt OT and Schonleben W (1956) Die Naturwissenschaften 43:159

Schofield RW, Fane AG, Fell CJD (1987) J.Memb Sci 33:299

Schutte H, Kroner KH, Hummel W, Kula MR (1983) Ann NY Acad Sci 413: 270

Shaw PE, Lebrun M, Dornier M, Ducamp MN, Courel M, Reynes M (2001) Lebensl Wisn Technol 34:60

- Sheng J, Johnson RA, Lefebvre MS (1991) *Desal* **80**:113
- Sherwood TK, Pigford RL, Wilke CR (1975) *Mass Transfer*, McGraw-Hill, New York
- Sikdar SK, Cole KD, Stewart RM, Szlag DC, Todd P, Cabezas HJ (1991) *Bio/Technol* **9**:252
- Silva da LHM, Jane SR, Coimbra A, De Meirelles J (1997) *J Chem Eng Data* **42**:398
- Sivars U, Tjerneld F (1997) **Tenth International Conference on Partitioning in Aqueous Two-Phase Systems**, University of Reading, England, 10-15 August
- Srinivas ND, Barhate RS, Raghavarao KSMS, Todd P (2000a) *Appl Microbiol Biotechnol* **53**:650
- Srinivas ND, Barhate RS, Raghavarao KSMS, Todd P (2000b) *Biochim Biophys Acta* **1524**: 38
- Srinivas N D, Nagaraj N, Raghavarao KSMS (2002) *Bioseparation* **10**:203
- Srinivas ND, Barhate RS, Raghavarao KSMS (2002) *J Food Eng* **54**:1
- Strandberg L, Koehler K, Enfors SO (1991) *Process Biochem* **26**: 225
- Stone H, Sidel J, Oliver S Woolsey A, Singleton RC (1974) *Food Technol* **28**(11): 24
- Tandaue DMN, Hounard, J (1988) *Methods in Enzymology* **167**:318
- Tanuja S, Srinivas ND, Gowthaman MK, Raghavarao KSMS (2000) *Bioprocess Eng* **23**(1): 63
- Taya M, Mine K, Kino-oka M, Tone S, Ichi T (1992) *J Ferment Bioeng* **27**:890
- Tello PG, Camacho F, Blazquez G (1994) *J.Chem Eng Data* **39**: 611
- Theos CW, Clark WM (1995) *Appl Biochem Biotechnol* **54**: 143
- Thijssen HAC (1979) *J Food Technol* **5**:1
- Tjerneld F, Persson I, Albertsson P-A, (1985) *Biotechnol Bioeng Symp* **15**:63

- Tjerneld F, Johansson G, Joelsson M (1987) *Biotechnol Bioeng* **30**: 809
- Treybal R J (1963) *Liquid-Liquid Extractions*, McGraw-Hill, New York
- Treybal RE (1980) *Mass Transfer Operations*, III Edn, McGraw Hill, New York
- Van Alstine JM, Karr L J, Harris JM, Snyder RS, Bamerger S, Matsos HC, Curreri PA, Boyce J, Brooks DE (1987) in: *Immunobiology of proteins and peptides IV* (Atassi MZ, ed.), Plenum Publishing Corp., New York, pp 305
- Vaillant F, Jeanton E, Dornier M, O'Brien G, Reynes M, Decloux M (2001) *J Food Eng* **47**:195
- Veide A, Smeds AL, Enfors SO (1983) *Biotechnol Bioeng* **25**: 1789
- Veide A, Lndback T, Enfors SO (1989) *Enzyme Microb Technol* **11**, 744
- Vilter H (1990) *Bioseparation* **1**: 283
- Vogel I (1980) *A Text Book of Macro and Semi-micro Qualitative Inorganic Analysis*, 4th ed, Longmans Green and Co Ltd, London
- Von-Elbe JH (1979) The betalaines. In: *Current aspects of food colorants*. Furuya TE (ed) CRC Press, pp 29
- Walter H, Brooks DE, Fisher D (eds) (1985) in: *Partitioning in aqueous two-phase systems: Theory, methods, uses and applications to biotechnology*. Academic Press, New York
- Walter H, Johansson G, Brooks DE (1991), *Anal Biochem* **191**:1
- Wikrostrom P, Flygare S, Grondalen A, Larsson PO (1987) *Anal Biochem* **167**:331
- Wilke CR, Chang P (1955) *AIChE J* **1**:264
- Wu Y-T, Pereira M, Venancio A, Teixeira J (2001) *J Chromatogr A* **929**:23
- Zaslavsky BY, (1995) *Aqueous Two Phase Partitioning: Physical chemistry and Bioanalytical Applications*, Marcel Dekker Inc., New York