

## List of Publications of Dr. Arun Kumar

1. Kumar A., Brändle M., Müller A., Zass E., Management of E-Journals and E-books: Information Flow to the End Users, Oral Presentation, 235th ACS National Meeting, New Orleans, April 6-10 (2008).
2. Kumar A., Brändle M., Deriving Usage Statistics from Local Library Management Software, In *Usage Statistics for E-Serials*, D. Fowler, Ed., Haworth Press (2007), pp. 111–128.
3. Zass E., Brändle M., Kumar A., Portals, Special Libraries, and Integration for Scientists, Oral Presentation, 222nd ACS National Meeting, Chicago, August 26-30 (2001).
4. Gunde R., Kumar A., Lehnert-Batar S., Maeder R., ; Windhab E.J., Measurement of Surface and Interfacial Tension from Maximum Volume of a Pendant Drop, *J. Colloid Interface Sci.*, **244**, 113–122 (2001).
5. Kumar A., Hartland S., “Untitled Publication”. *Chem. Eng. Res. Des.*, **78**, 677 (2000).
6. Kumar A., Hartland S., Correlations for Mass-Transfer Coefficients in Single-Drop Systems and Liquid–Liquid Extraction Columns, *Chem. Eng. Res. Des.*, **77**, 372–384 (1999).
7. Kumar A., Hartland S., Computational Strategies for Sizing Liquid–Liquid Extractors, *Ind. Eng. Chem. Res.*, **38**, 1040–1056 (1999).
8. Hartland S., Kumar A., Design of Liquid–Liquid Extractors, *Min. Pro. Ext. Met. Rev.*, **17**, 43–79 (1997).
9. Kumar A., Hartland S., Unified Correlations for the Prediction of Drop Size in Liquid–Liquid Extraction Columns, *Ind. Eng. Chem. Res.*, **35**, 2682–2695 (1996).
10. Kumar A., Hartland S., A Unified Correlation for the Prediction of Dispersed-Phase Hold-Up in Liquid–Liquid Extraction Columns, *Ind. Eng. Chem. Res.*, **34**, 3925–3940 (1995).
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12. Rincón-Rubio L.M., Kumar A., Hartland S., Dispersed-Phase Holdup in a Wirz Extraction Column, *Ind. Chem. Eng.*, **37**, 1–11 (1995).
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14. Hartland S., Kumar A., Detachment of Drops and Bubbles in Flow Fields, *Colloids Surf. A*, **83**, 245–254 (1994).
15. Kumar A., Hartland S., Prediction of Drop Size, Dispersed-Phase Holdup, Slip Velocity, and Limiting Throughputs in Packed Extraction Columns, *Chem. Eng. Res. Des.*, **72**, 89–104 (1994).
16. Rincón-Rubio L.M., Kumar A., Hartland S., Drop-Size Distribution and Average Drop Size in a Wirz Extraction Column, *Chem. Eng. Res. Des.*, **72**, 493–502 (1994).
17. Rincón-Rubio L.M., Kumar A., Hartland S., Dispersed-Phase Residence Times in a Wirz Extraction Column, *Ind. Eng. Chem. Res.*, **32**, 1698–1705 (1993).
18. Rincón-Rubio L.M., Kumar A., Hartland S., Characterization of Flooding in a Wirz Extraction Column, *Can. J. Chem. Eng.*, **71**, 844–851 (1993).
19. Kumar A., Hartland S., Prediction of Axial Mixing Coefficients in Rotating Disc and Asymmetric Rotating Disc Columns, *Can. J. Chem. Eng.*, **70**, 77–87 (1992).
20. Hartland S., Kumar A., Empirical Prediction of Operating Variables, Paper presented at Summer School on Liquid–Liquid Extraction, Toulouse, July (1991).
21. Kumar A., Hartland S., Measurement of Contact Angles From the Shape of a Drop on a Vertical Fiber, *J. Colloid Interface Sci.*, **136**, 455–469 (1990).
22. Kumar A., Hartland S., Independent Prediction of Slip Velocity and Hold-Up in Liquid/Liquid Extraction Columns, *Can. J. Chem. Eng.*, **67**, 17–25 (1989).
23. Kumar A., Hartland S., Prediction of Continuous-Phase Axial Mixing Coefficients in Pulsed Perforated-Plate Extraction Columns, *Ind. Eng. Chem. Res.*, **28**, 1507–1513 (1989).
24. Kumar A., Hartland S., Shape of a Drop on a Vertical Fiber, *J. Colloid Interface Sci.*, **124**, 67–76 (1988).
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27. Kumar A., Hartland S., Prediction of Dispersed Phase Hold-Up in Rotating Disc Extractors, *Chem. Eng. Commun.*, **56**, 87–106 (1987).
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39. Kumar A., Jain S.C., Raju K.S.N. Prediction of Enthalpies of Mixing of Hydrocarbon-Aliphatic Acid Mixtures, Oral presentation, 30th Annual Session, Indian Institute of Chemical Engineers, Chandigarh, Indien, Dezember (1977).