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This will be a substantial revision of a good selling text for upper division/first graduate courses in biomedical transport phenomena, offered in many departments of biomedical and chemical engineering. Each chapter will be updated accordingly, with new problems and examples incorporated where appropriate.

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The breadth of coverage in these chapters is extensive, with many important paradigms covered, including convective mass transport, capillary filtration, membrane transport, transcapillary solute exchange, oxygen carriage in blood, oxygen transport within tissue (Krogh model), and characteristics of artificial blood.

### Basic Transport Phenomena in Biomedical Engineering, 2nd ...

Biomedical Transport Phenomena in Biomedical Engineering, R.L. Fournier, editor, Taylor & Francis, Philadelphia, PA, 1999, 312 pages. This is a textbook that maybe of peripheral interest to most of readers of this journal. Yet, this is a most welcome addition to the academics who work in the broader field of biomedical engineering.

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Biomedical Transport Phenomena: BME 4632. Introduces and applies the concepts of momentum, mass, and thermal energy transport in the context of problems of interest in biomedical sciences and engineering. Macroscopic and microscopic analysis of momentum, mass, and thermal energy transport problems in biomedical systems.

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### Transport phenomena - Wikipedia

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Transport Phenomena has been revised to include deeper and more extensive coverage of heat transfer, enlarged discussion of dimensional analysis, a new chapter on flow of polymers, systematic discussions of convective momentum, and energy. Topics also include mass transport, momentum transport and energy transport, which are presented at three ...

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