

## TABLE OF CONTENTS INDEX

### *Critical Reviews™ in Biomedical Engineering* Volume 33

#### ISSUE 1

Functional Angiography <i>Baruch B. Lieber, Chander Sadasivan, Matthew J. Gounis, Jaehoon Seong, Laszlo Miskolczi, &amp; Ajay K. Wakhloo</i>	1
---	---

#### ISSUE 2

Dedication <i>Kenneth L. Monson</i>	103
The State of Head Injury Biomechanics: Past, Present, and Future. Part 2: Physical Experimentation <i>Werner Goldsmith, Kenneth L. Monson</i>	105

#### ISSUE 3

Mathematical Models of Oxygen and Carbon Dioxide Storage and Transport: The Acid–Base Chemistry of Blood <i>S. E. Rees &amp; S. Andreassen</i>	209
Mathematical Models of Oxygen and Carbon Dioxide Storage and Transport: Interstitial Fluid and Tissue Stores and Whole-body Transport <i>S. Andreassen &amp; S. E. Rees</i>	265

#### ISSUE 4

Cardiovascular Bubble Dynamics <i>Joseph L. Bull</i>	299
Causal Influence: Advances in Neurosignal Analysis <i>Maciej Kamiski &amp; Hualou Liang</i>	347

#### ISSUE 5

The Role of Mechanical Stresses in Angiogenesis <i>Yan-Ting Shiu, Jeffrey A. Weiss, James B. Hoying, Matthew N. Iwamoto, In Suk Joung, &amp; Cole T. Quam</i>	431
--	-----

#### ISSUE 6

A Review of Technological Approaches to Venous Ulceration <i>M. Clarke-Moloney, G. M. Lyons, P. E. Burke, D. O'Keeffe, &amp; P. A. Grace</i>	511
Therapies for Ventricular Cardiac Arrhythmias <i>Peter N. Jordan &amp; David J. Christini</i>	557

## AUTHOR INDEX

*Critical Reviews™ in Biomedical Engineering*

**Volume 33**

*Page Ranges*

Issue 1: 1–102; Issue 2: 103–208; Issue 3: 209–298

Issue 4: 299–430; Issue 5: 431–510; Issue 6: 511–608

Andreassen, S., 209, 265

Liang, Hualou, 347

Bull, Joseph L., 299

Lieber, Baruch B., 1

Burke, P. E., 511

Lyons, G. M., 511

Christini, David J., 557

Miskolczi, Laszlo, 1

Clarke-Moloney, M., 511

Monson, Kenneth L., 103, 105

Goldsmith, Werner, 105

O'Keeffe, D., 511

Gounis, Matthew J., 1

Quam, Cole T., 431

Grace, P. A., 511

Rees, S. E., 209, 265

Hoying, James B., 431

Sadasivan, Chander, 1

Iwamoto, Matthew N., 431

Seong, Jaehoon, 1

Jordan, Peter N., 557

Shiu, Yan-Ting, 431

Joung, In Suk, 431

Wakhloo, Ajay K., 1

Kamiski, Maciej, 347

Weiss, Jeffrey A., 431

## SUBJECT INDEX

*Critical Reviews<sup>TM</sup> in Biomedical Engineering*

**Volume 33**

*Page Ranges*

Issue 1: 1–102; Issue 2: 103–208; Issue 3: 209–298  
Issue 4: 299–430; Issue 5: 431–510; Issue 6: 511–608

- acid–base, 209, 265
- air embolism, 299
- biofluid mechanics, 299
- blood, 209, 265
- blood flow, 1, 431
- brain injury tolerance, 105
- capillary morphogenesis, 431
- chronic venous insufficiency, 511
- electroencephalography, 347
- encapsulated microbubbles, 299
- endothelial cells, 431
- erythrocyte, 209
- extracellular matrix, 431
- functional magnetic resonance imaging, 347
- gas embolotherapy, 299
- Granger causality, 347
- head injury modeling, 105
- head injury testing, 105
- healing rates, 511
- hemodynamics, 1
- indicator dilution, 1
- interfacial flow, 299
- local field potential, 347
- lungs, 265
- mechanotransduction, 431
- modeling, 209, 265
- multivariate neural data, 347
- muscle contraction, 431
- parameter estimation, 209
- particulate contrast, 1
- perfluorocarbon, 299
- plasma, 209
- signal processing, 347
- simulation, 265
- soluble contrast, 1
- spike trains, 347
- traumatic brain injury, 105
- ulcer pathogenesis, 511
- ulcer treatments, 511
- vascular intervention, 1
- venous hypertension, 511
- venous leg ulcers, 511

