

SKIN-CAD List of Publications

- **Hikima, T.; Komatsu, M.; Mori, D.; Tojo, K.**
Prediction of Percutaneous Absorption in Human of Nicotine from Marketed TTS using Three-dimensional Human Cultured Epidermis
40th Annual Meeting & Exposition of the Controlled Release Society, Honolulu, Hawaii, July 21-24, 2013.
- **Hikima, T.; Kaneda, N.; Matsuo, K.; Tojo, K.**
Prediction of percutaneous absorption in human using three-dimensional human cultured epidermis LabCyte EPI-MODEL
Biol. Pharm. Bull. 35(3): 362-368, 2012.
- **Nakamura, A. ; Mori, D. ; Tojo, K.**
Evaluation of the predicted time-concentration profile of serum tulobuterol in human after transdermal application
Chem. Pharm. Bull. 60(3): 300-305, 2012.
- **Olatunji, O.; Das, D.B.; Nassehi, V.**
Modelling transdermal drug delivery using microneedles: Effect of geometry on drug transport behaviour
J. Pharm. Sci. 101(1): 164-175, 2012.
- **Tominaga, K.; Tojo, K.**
Effect of environmental temperature on transdermal drug penetration
Biol. Pharm. Bull. 33(12): 1983-1987, 2010.
- **Olatunji, O.; Das, D.B.; Al-Qallaf, B.**
Simulation based optimization of microneedle geometry to improve drug permeability in skin
7th Annual Industrial Simulation Conference (ISC'2009), Loughborough, UK, June 1-3, 2009.
- **Kimura, C.; Tojo, K.**
Stick-type transdermal delivery system for ocular diseases
2007 AAPS Annual Meeting and Exposition, San Diego, CA, November 10-15, 2007.
- **Al-Qallaf, Barrak; Mori, Daisuke; Olatunji, Lola; Das, Diganta Bhusan; and Cui, Zhanfeng**
Transdermal Drug Delivery by Microneedles: Does Skin Metabolism Matter?
International Journal of Chemical Reactor Engineering: Vol. 7: A69, 2009.
- **Barrak Al-Qallaf and Diganta Bhusan Das**
Optimization of square microneedle arrays for increasing drug permeability in skin
Chem. Eng. Sci., 63: 2523-2535, 2008.
- **Barrak Al-Qallaf, Diganta Bhusan Das, Daisuke Mori and Zhanfeng Cui**
Modelling transdermal delivery of high molecular weight drugs from microneedle systems
Phil. Trans. R. Soc. A, 365(1861), 2951-2967, 2007.
- **Kakuji Tojo and Tomohiro Hikima**
Bioequivalence of Marketed Transdermal Delivery Systems for Tulobuterol
Biol. Pharm. Bull., 30(8): 1576-1579, 2007.
- **Chiharu Kimura and Kakuji Tojo**
Development of a stick-type transdermal eyelid delivery system of ketotifen fumarate for ophthalmic diseases
Chem. Pharm. Bull., 55(7): 1002-1005, 2007.

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- **Daisuke Mori and Kakuji Tojo**
SKIN-CAD®: Pharmacokinetic Model for Transdermal Drug Delivery
AICHE Annual Meeting 2006, San Francisco (USA), November 14, 2006.
- **A. Isowaki, A. Ohtori, Y. Matsuo, and K. Tojo**
Drug Delivery to the Eye with a Transdermal Therapeutic System
Biol. Pharm. Bull., 26(1): 69-72, 2003.
- **Daisuke Mori, Hideki Kawamata, and Kakuji Tojo**
Drug Concentration - Time Profile in the Plasma Following the Dissolution-Type Transdermal Delivery
J. Chem. Eng. Japan, 36(1): 45-48, 2003.
- **Hideki Kawamata and Kakuji Tojo**
Prediction of Plasma Concentration of GTS-21 in Hairless Rats Following Monolithic Transdermal Delivery
Biol. Pharm. Bull., 25(3): 342-345, 2002.
- **D. Mori and K. Tojo**
In Silico Evaluation for Skin Pharmacokinetics
29th Annual Meeting of Controlled Release Society, Seoul (Korea), July 21, 2002.