

学術論文 ラボサイト エピ・モデル、エピ・キット

ラボサイト エピ・モデル、エピ・キット に関する学術論文をご案内いたします。

■ 2023

タイトル	Modification with Conventional Surfactants to Improve a Lipid-Based Ionic-Liquid-Associated Transcutaneous Anticancer Vaccine
著者 (所属)	Uddin S ¹ , Islam MR ^{1,2} , Moshikur RM ¹ , Wakabayashi R ¹ , Moniruzzaman M ³ , Goto M ¹ (¹ Kyushu University, ² Noakhali Science and Technology University, ³ Universiti Teknologi PETRONAS)
雑誌名	Molecules

タイトル	Novel vesicles composed of gemini-type amphiphiles, glycolipid biosurfactants, and cholesterol improve skin permeability of anti-inflammatory drugs and restore viability of damaged 3D-cultured skin
著者 (所属)	Terayama S ^{1,2} , Tamura R ¹ , Fukami T ¹ (¹ Meiji Pharmaceutical University, ² Milott Cosmetic Corporation)
雑誌名	Journal of Drug Delivery Science and Technology

タイトル	Keratinocytes of the Upper Epidermis and Isthmus of Hair Follicles Express Hemoglobin mRNA and Protein
著者 (所属)	Tahara U ^{1,2} , Matsui T ^{1,2,3} , Atsugi T ² , Fukuda K ^{1,2} , Terooatea TW ¹ , Minoda A ^{1,4} , Kubo S ⁵ , Amagai M ^{1,2} (¹ RIKEN, ² Keio University, ³ Tokyo University of Technology, ⁴ Radboud University, ⁵ Kobe University)
雑誌名	Journal of Investigative Dermatology

タイトル	Comparative Study on Epidermal Moisturizing Effects and Hydration Mechanisms of Rice-Derived Glucosylceramides and Ceramides
著者 (所属)	Takeda S ¹ , Yoneda A ¹ , Miyasaka K ¹ , Manse Y ² , Morikawa T ² , Shimoda H ¹ , (¹ Oryza Oil & Fat Chemical Co., Ltd., ² Kindai University)
雑誌名	International Journal of Molecular Sciences

タイトル	Diverse effects of single molecules of rice-derived functional lipids, glucosylceramides, ceramides, and β-sitosterol glucoside, on epidermal and lung functions
著者 (所属)	Shimoda H ¹ , Takeda S ¹ , Miyasaka K ¹ , Yoneda A ¹ , Manse Y ² , Morikawa T ² (¹ Oryza Oil & Fat Chemical Co., Ltd., ² Kindai University)
雑誌名	Glycative Stress Research

タイトル	Chemokine expression in human 3-dimensional cultured epidermis exposed to PM2.5 collected by cyclonic separation
著者 (所属)	Kono M ^{1,2} , Okuda T ³ , Ishihara N ⁴ , Hagino H ⁵ , Tani Y ⁶ , Okochi H ⁶ , Tokoro C ⁶ , Takaishi M ^{1,2} , Ikeda H ^{1,2} , Ishihara Y ⁴ (¹ Osaka University, ² Mandom Corporation, ³ Keio University, ⁴ Hiroshima University, ⁵ Japan Automobile Research Institute, ⁶ Waseda University)
雑誌名	Toxicological Research

タイトル	Horse-Derived Ceramide Accentuates Glucosylceramide Synthase and Ceramide Synthase 3 by Activating PPARβ/δ and/or PPARγ to Stimulate Ceramide Synthesis
著者 (所属)	Igarashi T ¹ , Yanagi H ¹ , Yagi M ¹ , Ichihashi M ² , Imokawa G ³ (¹ Rosette Co., Ltd., ² Arts Ginza Clinic, ³ Utsunomiya University)
雑誌名	Biomedicines

タイトル	A trial to predict skin irritancy of cosmetic products using cytotoxicity tests
著者 (所属)	Mezaki M ¹ , Manabe C ¹ , Nagumo J, ¹ Yoshimura T ¹ , Nagahama T ¹ , Itagaki H ² , Takaoka A ¹ (¹ Taisho Pharmaceutical Co., Ltd., ² ITACS consulting)
雑誌名	Fundamental Toxicological Sciences

タイトル	Taurine accelerates the synthesis of ceramides and hyaluronic acid in cultured epidermis and dermal fibroblasts
著者 (所属)	Yoshimura T ¹ , Manabe C ¹ , Nagumo J ¹ , Nagahama T ¹ , Sato T ² , Murakami S ³ (¹ Taisho Pharmaceutical Co., Ltd., ² Tokyo University of Pharmacy and Life Sciences, ³ Fukui Prefectural University)
雑誌名	Experimental and Therapeutic Medicine

タイトル	Influence of aldo-keto reductase 1C3 polymorphisms in early-onset female psoriasis patients
著者 (所属)	Nojiri Y ¹ , Nakamura M ¹ , Magara T ¹ , Yamamoto A ¹ , Ikumi K ¹ , Nakamura R ¹ , Nishida E ² , Haarmann-Stemann T ³ , Morita A ¹ (¹ Nagoya City University, ² Okazaki City Hospital, ³ Leibniz Research Institute for Environmental Medicine)
雑誌名	Scientific Reports

■ 2022

タイトル	The ion balance of Shotokuseki extract promotes filaggrin fragmentation and increases amino acid production and pyrrolidone carboxylic acid content in three-dimensional cultured human epidermis
著者 (所属)	Tsukui K ¹ , Kakiuchi T ² , Suzuki M ² , Sakurai H ² , Tokudome Y ¹ (¹ Saga University, ² Zeria Pharmaceutical Co., Ltd)
雑誌名	Natural Products and Bioprospecting

タイトル	Transdermal Delivery of Antigenic Protein Using Ionic Liquid-Based Nanocarriers for Tumor Immunotherapy
著者 (所属)	Uddin S, Islam MR, Moshikur RM, Wakabayashi R, Kamiya N, Moniruzzaman M, Goto M (Kyushu University)
雑誌名	ACS Applied Bio Materials

タイトル	Lyotropic liquid crystal-based transcutaneous peptide delivery system: Evaluation of skin permeability and potential for transcutaneous vaccination
著者 (所属)	Kozaka S, Wakabayashi R, Kamiya N, Goto M (Kyushu University)
雑誌名	Acta Biomaterialia

タイトル	Application of mevalonolactone prevents deterioration of epidermal barrier function by accelerating the lamellar granule lipid transport system
著者 (所属)	Chen B ¹ , Lu N ¹ , Lee K ¹ , Ye L ¹ , Hasegawa C ² , Maeda K ² (¹ Pechoin Biotech Co. Ltd., ² Tokyo University of Technology,)
雑誌名	Skin Research and Technology

タイトル	Comparative Study on Epidermal Moisturizing Effects and Hydration Mechanisms of Rice-Derived Glucosylceramides and Ceramides
著者 (所属)	Takeda S ¹ , Yoneda A ¹ , Miyasaka K ¹ , Manse Y ² , Morikawa T ² , Shimoda H ¹ (¹ Oryza Oil and Fat Chemical Co., Ltd, ² Kindai University)
雑誌名	International Journal of Molecular Sciences

タイトル	Oxidative Stability and Antioxidant Activity of Crude Jojoba Oil
著者 (所属)	Tsuchimoto S, Sakai H, Fukui K (Osaka University)
雑誌名	BPB Reports

タイトル	Leaf extracts from Camellia sinensis and Argania spinosa suppress oxidative stress and chemokine release in human 3-dimensional cultured epidermis exposed to PM2.5 collected with cyclonic separation
著者 (所属)	Kono M ^{1,2} , Okuda T ³ , Takaishi M ^{1,2} , Ikeda H ² , Ishihara N ⁴ , Ishihara Y ⁴ (¹ Osaka University, ² Mandom Corporation, ³ Keio University, ⁴ Hiroshima University)
雑誌名	Fundamental Toxicological Sciences

タイトル	Lotus root extract inhibits skin damage through suppression of collagenase production in vitro
著者 (所属)	Iwamoto A ¹ , Yamauchi R ² , Oogai S ² , Tsuruta Y ¹ , Tsuge K ¹ , Nagata Y ^{2,3} , Yanagita T ^{2,4} (¹ Industrial Technology Center of Saga, ² Saga Prefectural Industrial Innovation Center, ³ Nagasaki University, ⁴ Saga University)
雑誌名	Molecular Biology Reports

タイトル	Low humidity altered the gene expression profile of keratinocytes in a three-dimensional skin model
著者 (所属)	Shinohara K ^{1,2} , Hara-Chikuma M ¹ (¹ Keio University, ² Kracie Home Products, Ltd)
雑誌名	Molecular Biology Reports

タイトル	Co-Culture of THP-1 Cells and Normal Human Epidermal Keratinocytes (NHEK) for Modified Human Cell Line Activation Test (h-CLAT)
著者 (所属)	Sawada Y ¹ , Tsukumo H ¹ , Fukuda J ¹ , Iijima K ¹ , Itagaki H ^{1,2} (¹ Yokohama National University, ² Itagaki Cosmetics Safety Consulting)
雑誌名	Applied Biosciences and Bioengineering

■ 2021

タイトル	β-Sitosterol 3-O-D-glucoside increases eramide levels in the stratum corneum via he up-regulated expression of ceramide ynthase-3 and glucosylceramide synthase in reconstructed human epidermal keratinization model
著者 (所属)	Takeda S ¹ , Terazawa S ² , Shimoda H ¹ , Imokawa G ² (¹ Oryza Oil and Fat Chemical, ² Utsunomiya University)
雑誌名	PLOS ONE

タイトル	Lycoperoside H, a Tomato Seed Saponin, Improves Epidermal Dehydration by Increasing Ceramide in the Stratum Corneum and Steroidal Anti-Inflammatory Effect
著者 (所属)	Takeda S ¹ , Miyasaka K ¹ , Shrestha S ² , Manse Y ² , Morikawa T ² , Shimoda H ¹ (¹ Oryza Oil and Fat Chemical, ² Kindai University)
雑誌名	Molecules

タイトル	Biocompatible Ionic Liquid Enhances Transdermal Antigen Peptide Delivery and Preventive Vaccination Effect
著者 (所属)	Tahara Y, Morita K, Wakabayashi R, Kamiya N, Goto M (Kyushu University)
雑誌名	Molecular Pharmaceutics

タイトル	Characterization of dermal sensitization potential for industrial or agricultural chemicals with EpiSensa
著者 (所属)	Mizumachi H ¹ , LeBaron J.M ² , Settivari S.R ³ , Miyazawa M ¹ , Marty S.M ² , Sakaguchi H ¹ (¹ Kao Corporation, ² Dow Chemical Company, ³ Corteva Agriscience)
雑誌名	Journal of Applied Toxicology

タイトル	Biocompatible ionic liquids assisted transdermal co-delivery of antigenic protein and adjuvant for cancer immunotherapy
著者 (所属)	Chowdhury MR ¹ , Moshikur R.M ¹ , Wakabayashi R ¹ , Moniruzzaman M ² , Goto M ¹ (¹ Kyushu University, ² Universiti Teknologi PETRONAS)
雑誌名	International Journal of Pharmaceutics
タイトル	Interferon- γ downregulates tight junction function, which is rescued by interleukin-17A
著者 (所属)	Mizutani Y, Takagi N, Nagata H, Inoue S (Gifu Pharmaceutical University)
雑誌名	Experimental Dermatology

タイトル	Insulin Transdermal Delivery System for Diabetes Treatment Using a Biocompatible Ionic Liquid-Based Microemulsion
著者 (所属)	Islam M.R, Uddin S, Chowdhury M.R, Wakabayashi R, Moniruzzaman M, Goto M (Kyushu University)
雑誌名	ACS Applied Materials & Interfaces

タイトル	Biocompatible Ionic Liquid-Mediated Micelles for Enhanced Transdermal Delivery of Paclitaxel
著者 (所属)	Ali M.D, Moshikur R.M, Wakabayashi R, Moniruzzaman M, Goto M (Kyushu University)
雑誌名	ACS Applied Materials & Interfaces

タイトル	Lipid-Based Ionic-Liquid-Mediated Nanodispersions as Biocompatible Carriers for the Enhanced Transdermal Delivery of a Peptide Drug
著者 (所属)	Uddin S, Islam M.R, Chowdhury M.R, Wakabayashi R, Kamiya N, Moniruzzaman M, Goto M (Kyushu University)
雑誌名	ACS Applied Bio Materials

タイトル	An In Vitro Mixed Infection Model With Commensal and Pathogenic Staphylococci for the Exploration of Interspecific Interactions and Their Impacts on Skin Physiology
著者 (所属)	Kohda K ¹ , Li X ¹ , Soga N ¹ , Nagura R ¹ , Duerna T ² , Nakajima S ² , Nakagawa I ³ , Ito M ¹ , Ikeuchi A ¹ (¹ Toyota Motor Corporation, ² Department of Dermatology, Kyoto University Graduate School of Medicine, ³ Department of Microbiology, Kyoto University Graduate School of Medicine)
雑誌名	Frontiers in Cellular and Infection Microbiology

タイトル	A Step-by-Step Approach for Assessing Human Skin Irritation Without Animal Testing for Quasi-Drugs and Cosmetic Products
著者 (所属)	Kojima H ¹ , Nakada T ² , Yagami A ³ , Todo H ⁴ , Nishimura J ⁵ , Yagi M ⁵ , Sugiyama M ⁶ , Yamamoto K ⁵ , Ikarashi Y ¹ , Sakaguchi H ⁷ , Yamaguchi M ⁷ , Hirota H ⁷ , Ikeda H ⁷ , Imai N ⁷ , Hatao M ⁷ (¹ National Institute of Health Sciences, ² Showa University, ³ Fujita Health University, ⁴ Josai University, ⁵ Pharmaceuticals and Medical Devices Agency, ⁶ Skin Safety Case Information Network, ⁷ Japan Cosmetic Industry Association)
雑誌名	Applied In Vitro Toxicology

タイトル	Self-Assembled Palmitoyl-Glycine-Histidine as a Permeation Enhancer for Transdermal Delivery
著者 (所属)	Imoto T ¹ , Goto M ² (¹ Nissan Chemical Corporation, ² Kyushu University)
雑誌名	Chemistry and Biochemistry

タイトル	β-Sitosterol 3-O-D-glucoside increases ceramide levels in the stratum corneum via the up-regulated expression of ceramide synthase-3 and glucosylceramide synthase in a reconstructed human epidermal keratinization model
著者 (所属)	Takeda S ¹ , Terazawa S ² , Shimoda H ¹ , Iokawa G ² (¹ Oryza Oil & Fat Chemical Co., Ltd, ² Utsunomiya University)
雑誌名	Exp Dermatol

タイトル	Carbon dioxide inhibits UVB-induced inflammatory response by activating the proton-sensing receptor, GPR65, in human keratinocytes
著者 (所属)	Sayama K ^{1,2} , Yuki K ¹ , Sugata K ¹ , Fukagawa S ¹ , Yamamoto T ¹ , Ikeda S ² , Murase T ¹ (¹ Kao Corporation, ² Juntendo University Graduate School of Medicine)
雑誌名	Scientific Reports

■ 2020

タイトル	Ionic Liquid-In-Oil Microemulsions Prepared with Biocompatible Choline Carboxylic Acids for Improving the Transdermal Delivery of a Sparingly Soluble Drug
著者 (所属)	Islam M.R ^{1,2} , Chowdhury R.M ¹ , Wakabayashi R ^{1,3} , Kamiya N ¹ , Moniruzzaman M ³ Goto M ¹ (¹ Kyushu University, ² Noakhali Science and Technology University, ³ Universiti Teknologi PETRONAS)
雑誌名	International Journal of Pharmaceutics

タイトル	Choline and amino acid based biocompatible ionic liquid mediated transdermal delivery of the sparingly soluble drug acyclovir
著者 (所属)	Islama M.R ^{1,2} , Chowdhury M.R ¹ , Wakabayashia R ¹ , Tahara Y ¹ , Kamiya N ¹ , Moniruzzaman M ³ , Goto M ¹ (¹ Kyushu University, ² Noakhali Science and Technology University, ³ Universiti Teknologi PETRONAS)
雑誌名	International Journal of Pharmaceutics

タイトル	Design and Characterization of Fatty Acid-Based Amino Acid Ester as a New “Green” Hydrophobic Ionic Liquid for Drug Delivery
著者 (所属)	Moshikur R.M, Chowdhury M.R, Hiroki Fujisawa, Wakabayashi R, Moniruzzaman M, Goto M (Kyushu University)
雑誌名	ACS Sustainable Chemistry & Engineering

タイトル	The ceramide [NP]/[NS] ratio in the stratum corneum is a potential marker for skin properties and epidermal differentiation
著者 (所属)	Yokose U ¹ , Ishikawa J ¹ , Morokuma Y ¹ , Naoe A ¹ , Inoue Y ¹ , Yasuda Y ¹ , Tsujimura H ¹ , Fujimura T ¹ , Murase T ¹ and Hatamochi A ² (¹ Kao Corporation, ² Dokkyo Medical University)
雑誌名	BMC Dermatology

タイトル	Evaluation of the Cytotoxicity of Various Hand Disinfectants and Ozonated Water to Human Keratinocytes in a Cultured Epidermal Model
著者 (所属)	Kashiwazaki J, Nakamura K, Hara Y, Harada R, Wada I, Kanemitsu K (Fukushima Medical University)
雑誌名	Advances in Skin & Wound Care (2020)

タイトル	A novel water-in-oil emulsion with a lecithin-modified bentonite prevents skin damage from urban dust and cedar pollen
著者 (所属)	Iwanaga T ¹ , Nioh A ¹ , Reed N ² , Kiyokawa H ¹ , Akatsuka H ¹ (¹ POLA CHEMICAL INDUSTRIES, INC., ² Jurlique International Pty. Ltd.)
雑誌名	Int J Cosmet Sci.

■ 2019

タイトル	Predicting the results of a 24-hr human patch test for surfactants: utility of margin-setting in a reconstructed human epidermis model.
著者 (所属)	Sugiyama M ^{1,2} , Ueki T ¹ , Ogata S ³ , Itagaki H ² . (¹ Shiseido Global Innovation Center, ² Department of Chemical and Energy Engineering, Yokohama National University, ³ Department of Environment and Information Science, Yokohama National University.)
雑誌名	J Toxicol Sci.

タイトル	A comparative study of skin irritation caused by novel bis-quaternary ammonium compounds and commonly used antiseptics by using cell culture methods.
著者 (所属)	Yamamoto M ¹ , Matsumura R ¹ , Hirata Y ¹ , Nagamune H ² . (¹ Biochemical Laboratory, Saraya Co., Ltd., ² Tokushima University)
雑誌名	Toxicol In Vitro.

タイトル	Effects of surface charge and flexibility of liposomes on dermal drug delivery
著者 (所属)	Ibaraki H ¹ , Kanazawa T ^{1,2} , Oogi C ¹ , Takashima Y ¹ , Seta Y ¹ (¹ Tokyo University of Pharmacy and Life Sciences, ² Nihon University)
雑誌名	Journal of Drug Delivery Science and Technology.

タイトル	Evaluation of cell viability and metabolic activity of a 3D cultured human epidermal model using a dynamic autoradiographic technique with a PET radiopharmaceutical.
著者 (所属)	Sasaki T, Tamaki J, Nishizawa K, Kojima T, Tanaka R, Moriya R, Sasaki H & Maruyama H (Kitasato University)
雑誌名	Scientific Reports

■ 2018

タイトル	Strawberry seed extract and its major component, tiliroside, promote ceramide synthesis in the stratum corneum of human epidermal equivalents
著者 (所属)	Takeda S ¹ , Shimoda H ¹ , Takarada T ¹ , Imokawa G ^{2,3} . (¹ Research & Development Division, Oryza Oil & Fat Chemical Co., Ltd., ² Research Institute for Biological Functions, Chubu University, ³ Center for Bioscience Research and Education, Utsunomiya University)
雑誌名	PLoS One.

タイトル	Comparative assessment of 24-hr primary skin irritation test and human patch test data with in vitro skin irritation tests according to OECD Test Guideline 439 (for quasi-drugs in Japan)
著者 (所属)	Sugiyama M ^{1,2} , Akita M ^{1,3} , Alépée N ⁴ , Fujishiro M ⁵ , Hagino S ^{1,2} , Handa Y ⁶ , Ikeda H ^{1,7} , Imai N ^{1,8} , Jitsukawa S ⁹ , Katoh M ¹⁰ , Kurihara K ¹¹ , Kyotani D ¹¹ , Nomura S ⁸ , Okamoto Y ¹ , Okumura H ^{1,12} , Omori T ^{1,13} , Sugibayashi K ^{1,14} , Todo H ^{1,14} , Toyoda A ^{1,15} , Ohno Y ^{1,16} . (¹ Working Group on Alternatives to Primary Skin Irritation Test, Japanese Society of Alternatives to Animal Experiments (JSAAE), ² Shiseido Global Innovation Center, ³ Faculty of Family and Consumer Sciences, Kamakura Women's University, ⁴ L'Oréal Research & Innovation, France, ⁵ Cosmos Technical Center Co., Ltd., ⁶ Kurabo Industries Ltd., ⁷ Mandom Corp., ⁸ KOSÉ Corp., Ltd., ⁹ L'Oréal Research & Innovation, ¹⁰ Japan Tissue Engineering Co., Ltd., ¹¹ Nikoderm Research Inc., ¹² Institute of Beauty and Health Science, ¹³ Division of Biostatistics, Department of Social/Community Medicine and Health Science, Kobe University School of Medicine, ¹⁴ Faculty of Pharmacy and Pharmaceutical Sciences, Josai University, ¹⁵ Pola Chemical Industries, Inc., ¹⁶ Kihara Memorial Yokohama Foundation)
雑誌名	J Toxicol Sci

■ 2017

タイトル	Amino Carbonylation of Epidermal Basement Membrane Inhibits Epidermal Cell Function and Is Suppressed by Methylparaben
著者 (所属)	Morimoto H., Gu L., Zeng H. and Maeda K. (Tokyo University of Technology Graduate School)
雑誌名	Cosmetics

タイトル	ナノサイズベシクルを容易に調整できるバイオサーファクタントプレミックス新素材
著者 (所属)	福永悟史、橋本明宏、勝間田祐貴、仁木洋子 (日本精化株式会社)
雑誌名	フレグランスジャーナル

■ 2016

タイトル	An in vitro skin sensitization assay termed EpiSensA for broad sets of chemicals including lipophilic chemicals and pre/pro-haptens.
著者 (所属)	Saito K, Takenouchi O, Nukada Y, Miyazawa M, Sakaguchi H (Kao Corporation, R&D, Safety Science Research)
雑誌名	Toxicol In Vitro.

タイトル	Hand hygiene using a new hand-cleansing formulation without sanitizers: Effect on Staphylococcus aureus removal and recovery of properties against skin damage
著者 (所属)	Asaoka K ^{1,2} , Endo S ¹ , Suzuki Y ¹ , Komuro S ³ , Nemoto T ⁴ , Kaku M ¹ (¹ Tohoku University, ² Kao Corporation, ³ Geriatric Health Services Facility "Cosmos", ⁴ Izumi Orthopedic Hospital)
雑誌名	Am J Infect Control.

タイトル	Upregulation of gene expression levels of ceramide metabolic enzymes after application of sphingomyelin-based liposomes to a three-dimensional cultured human epidermis model.
著者 (所属)	Itaya Y and Tokudome Y (Josai University)
雑誌名	Biochem Biophys Res Commun.

■ 2015

タイトル	ヒト型セラミドの角層細胞外壁タンパク産生促進効果による保湿機能
著者 (所属)	中畝明菜、景山茂樹、森久 容、荒河 純 (富士フイルム株式会社)
雑誌名	フレグランスジャーナル

タイトル	Esterase activity and intracellular localization in reconstructed human epidermal cultured skin models.
著者 (所属)	Tokudome Y. Katayanagi M. Hashimoto F. (Josai University)
雑誌名	Annals of Dermatology

■ 2014

タイトル	In vitro analysis of the effect of alkyl-chain length of anionic surfactants on the skin by using a reconstructed human epidermal model.
著者 (所属)	Yamaguchi F, Watanabe S, Harada F, Miyake M, Yoshida M, Okano T. (Lion Corporation)
雑誌名	Journal of Oleo Science

タイトル	A catch-up validation study of an in vitro skin irritation test method using reconstructed human epidermis LabCyte EPI-MODEL24
著者 (所属)	Kojima H ¹ , Katoh M ² , Shinoda S ³ , Hagiwara S ³ , Suzuki T ⁴ , Izumi R ⁴ , Yamaguchi Y ⁵ , Nakamura M ⁵ , Kasahawa T ⁶ , Shibai A ⁶ (¹ Japanese Centre for the Validation of Alternative Methods, ² Japan Tissue Engineering Co. Ltd, ³ Drug Safety Testing Centre Co. Ltd, ⁴ FANCL Corporation, ⁵ Kobayashi Pharmaceutical Co. Ltd, ⁶ Fujifilm Corporation)
雑誌名	J Appl Toxicol.

タイトル	三次元培養皮膚モデルをヒト皮膚に近付けるためのポイント
著者 (所属)	花田 孝雄 (株)ジャパン・ティッシュ・エンジニアリング)
雑誌名	COSMETIC STAGE

タイトル	Keratinization induced by air exposure in the reconstructed human epidermal model: an in vitro model of a cultured epithelial autograft.
著者 (所属)	Hanada T, Itahara Y, Katoh M, Inoie M, Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	Journal of Bioscience and Bioengineering

タイトル	化粧品開発における皮膚刺激性試験の取り組み
著者 (所属)	池田英史、西浦英樹 (日本コルマー株式会社)
雑誌名	フレグランスジャーナル

タイトル	焼酎粕・酒粕・麹菌から見出したグルコシルセラミドの構造及び機能性
著者 (所属)	北垣浩志 ¹ 、尾上貴俊 ² 、小野絵里 ² 、北村整一 ² (¹ 佐賀大学、 ² 株式会社東洋新薬)
雑誌名	フレグランスジャーナル

タイトル	Pseudomonas-derived ceramidase induces production of inflammatory mediators from human keratinocytes via sphingosine-1-phosphate
著者 (所属)	Oizumi A ¹ , Nakayama H ¹ , Okino N ² , Iwahara C ¹ , Kina K ¹ , Matsumoto R ¹ , Ogawa H ¹ , Takamori K ¹ , Ito M ² , Suga Y ¹ , Iwabuchi K ¹ , (¹ Juntendo University, ² Kyushu University)
雑誌名	PLoS one

■ 2013

タイトル	Stratum corneum drying drives vertical compression and lipid organization and improves barrier function in vitro
著者 (所属)	Iwai I ¹ , Kunizawa N ¹ , Yagi E ¹ , Hirao T ¹ , Hatta I ² (¹ Shiseido Research Center, ² Spring 8)
雑誌名	Acta Dermato Venereologica

タイトル	Photoprotective effects of inclusion complexes of fullerenes with polyvinylpyrrolidone
著者 (所属)	Murakami M ¹ , Hyodo S ¹ , Fujikawa Y ² , Fujimoto T ^{3,4} , Maeda K ² (¹ Vitamine C60 BioResearch Co., ² Tokyo University of Technology, ³ Clinic F, ⁴ Tokai University)
雑誌名	Photodermatology, Photoimmunology and Photomedicine

タイトル	敏感肌を対象とした in vitro 皮膚刺激性試験の検討
著者 (所属)	池田英史、西浦英樹 (日本コルマー株式会社)
雑誌名	日本化粧品技術者会誌

タイトル	Topical surfactant-induced pruritus: involvement of histamine released from epidermal keratinocytes
著者 (所属)	Inami Y ^{1,2} , Andoh T ¹ , Sasaki A ¹ and Kuraishi Y ¹ (¹ University of Toyama, ² Hoyu Co., Ltd.)
雑誌名	The Journal of Pharmacology and Experimental Therapeutics

タイトル	Validation Study of the In Vitro Skin Irritation Test with the LabCyte EPI-MODEL24
著者 (所属)	Kojima H ¹ , Ando Y ² , Idehara K ³ , Katoh M ⁴ , Kosaka T ⁵ , Miyaoka E ⁶ , Shinoda S ⁷ , Suzuki T ⁸ , Yamaguchi Y ⁹ , Yoshimura I ⁶ , Yuasa A ¹⁰ , Watanabe Y ¹¹ and Takashi Omori ¹² (¹ Japanese Centre for the Validation of Alternative Methods, ² Aiken Co. Ltd, ³ Daicel Corporation, ⁴ Japan Tissue Engineering Co. Ltd, ⁵ The Institute of Environmental Toxicology, ⁶ Tokyo University of Science, ⁷ Drug Safety Testing Centre Co. Ltd, ⁸ Fancl Corporation, ⁹ Kobayashi Pharmaceutical Co. Ltd, ¹⁰ Fujifilm Corporation, ¹¹ Maruishi Pharmaceutical Co. Ltd, ¹² Doshisha University)
雑誌名	Alternative to Laboratory Animals

タイトル	Changes in ceramides and glucosylceramides in mouse skin and human epidermal equivalents by rice-derived glucosylceramide
著者 (所属)	Shimoda H ¹ , Terazawa S ¹ , Hitoe S ¹ , Tanaka J ¹ , Nakamura A ² , Matsuda H ² and Yoshikawa M ² (¹ Oryza Oil and Fat Chemical Co. Ltd., ² Kyoto Pharmaceutical University)
雑誌名	Journal of medicinal food

タイトル	Th1 cytokines accentuate but Th2 cytokines attenuate ceramide production in the stratum corneum of human epidermal equivalents: An implication for the disrupted barrier mechanism in atopic dermatitis
著者 (所属)	Sawada E ¹ , Yoshida N ² , Sugiura A ¹ and Imokawa G ^{1,3} (¹ Tokyo University of Technology, ² Ikeda Mohando Co., Ltd., ³ Chubu University)
雑誌名	Journal of Dermatological Science

タイトル	A reconstructed human epidermal keratinization culture model to characterize ceramide metabolism in the stratum corneum
著者 (所属)	Yoshida N ^{1,2} , Sawada E ¹ and Imokawa G ¹ (¹ Tokyo University of Technology, ² Ikeda Mohando Co., Ltd.)
雑誌名	Archives of Dermatological Research

タイトル	Lack of promoting effect of titanium dioxide particles on chemically-induced skin carcinogenesis in rats and mice
著者 (所属)	Sagawa Y ¹ , Futakuchi M ¹ , Xu J ¹ , Fukamachi K ¹ , Sakai Y ¹ , Ikarashi Y ² , Nishimura T ² , Suzuki M ¹ , Tsuda H ¹ , Morita A ¹ . (¹ Nagoya City University, ² National Institute of Health Science)
雑誌名	The Journal of Toxicological Sciences.

タイトル	ヒト培養組織モデル LabCyte(ラボサイト)シリーズの紹介 Introduction of Reconstructed Human Epithelial Tissue, LabCyte
著者 (所属)	加藤雅一 ((株) ジャパン・ティッシュ・エンジニアリング)
雑誌名	月刊 BIOINDUSTRY

タイトル	Podoplanin expression in wound and hyperproliferative psoriatic epidermis: Regulation by TGF-β and STAT-3 activating cytokines, INF-γ, IL-6, and IL-22
著者 (所属)	Honma M, Minami-Hori M, Takahashi H, Iizuka H (Asahikawa Medical University)
雑誌名	Journal of Dermatological Science

タイトル	Eucalyptus increases ceramide levels in keratinocytes and improves stratum corneum function.
著者 (所属)	Ishikawa J, Shimotoyodome Y, Chen S, Ohkubo K, Takagi Y, Fujimura T, Kitahara T, Takema Y. (Kao Corporation)
雑誌名	International Journal of Cosmetic Science

タイトル	Prediction of Percutaneous Absorption in Human Using Three-Dimensional Human Cultured Epidermis LabCyte EPI-MODEL
著者 (所属)	Hikima T, Kaneda N, Matsuo K, Tojo K. (Kyushu Institute of Technology)
雑誌名	Biological and Pharmaceutical Bulletin

タイトル	Refinement of LabCyte EPI-MODEL24 Skin Irritation Test Method for Adaptation to the Requirements of OECD Test Guideline 439
著者 (所属)	Katoh M., Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	Alternatives to Animal Testing and Experimentation

タイトル	Lack of promoting effect of titanium dioxide particles on ultraviolet B-initiated skin carcinogenesis in rats
著者 (所属)	Xu J ^{1,5} , Sagawa Y ² , Futakuchi M ¹ , Fukamachi K ¹ , Alexander DB ^{1,5} , Furukawa F ³ , Ikarashi Y ⁴ , Uchino T ⁴ , Nishimura T ⁴ , Morita A ² , Suzui M ¹ , Tsuda H ⁵ . (¹ Department of Molecular Toxicology Nagoya City University, ² Department of Dermatology, Nagoya City University, ³ Daiyukai Institute of Medical Sciences, Inc., ⁴ National Institute of Health Sciences, ⁵ Laboratory of Nanotoxicology Project Nagoya City University)
雑誌名	Food and Chemical Toxicology

タイトル	In vitro genotoxicity test approaches with better predictivity: summary of an IWGT workshop.
著者 (所属)	Pfuhler S ¹ , Fellows M ² , van Benthem J ³ , Corvi R ⁴ , Curren R ⁵ , Dearfield K ⁶ , Fowler P ⁷ , Frötschl R ⁸ , Elhajouji A ⁹ , Le Hégarat L ¹⁰ , Kasamatsu T ¹¹ , Kojima H ¹² , Ouedraogo G ¹³ , Scott A ¹⁴ , Speit G ¹⁵ . (¹ The Procter and Gamble Co., ² AstraZeneca, ³ National Institute for Public Health and Environment, ⁴ Institute for Health Consumer Protection, ⁵ Institute for In Vitro Sciences Inc., ⁶ Food Safety and Inspection Service, ⁷ Covance Laboratories Limited, ⁸ BfArm, ⁹ Novartis Institute for Biomedical Research, ¹⁰ Anses, ¹¹ Kao Corporation, ¹² JaCVAM, ¹³ L'Oreal Life Sciences Research, ¹⁴ Unilever, ¹⁵ Universität Ulm)
雑誌名	Mutation Research

タイトル	Increase in Ceramide Level after Application of Various Sizes of Sphingomyelin Liposomes to a Cultured Human Skin Model.
著者 (所属)	Tokudome Y ¹ , Jinno M ¹ , Todo H ¹ , Kon T ² , Sugibayashi K ¹ , Hashimoto F. ¹ (¹ Josai University, ² Shalom Ltd.)
雑誌名	Skin Pharmacology and Physiology

■ 2010

タイトル	Ionic liquid-in-oil microemulsion as a potential carrier of sparingly soluble drug: characterization and cytotoxicity evaluation.
著者 (所属)	Moniruzzaman M. ¹ , Tamura M. ¹ , Tahara Y. ¹ , Kamiya N. ^{1,2} and Goto M. ^{1,2} (¹ Graduate School of Engineering, Kyushu University, ² Kyushu University)
雑誌名	International Journal of Pharmaceutics

タイトル	REVIEW Evaluation of Anti-inflammatory and Anti-allergic Effects of Food Components Using DNA Microarray Analysis
著者 (所属)	Kobori M. ¹ , Nagai K. ^{1,2} , Takahashi Y. ¹ , Oike H. ¹ . (¹ National Food Research Institute, ² Mitsubishi Rayon Co., Ltd.)
雑誌名	Japan Agricultural Research Quarterly

タイトル	Preferential induction of endothelin-1 in a human epidermal equivalent model by narrow-band ultraviolet B light sources
著者 (所属)	Noborio R., Morita A. (Nagoya City University of Medical Sciences)
雑誌名	Photodermatology, Photoimmunology and Photomedicine

タイトル	速乾性擦式アルコール手指消毒の皮膚刺激性評価における動物実験代替法の開発
著者 (所属)	山本宣之 ¹ 、宮本幸治 ¹ 、加藤雅一 ² (¹ 日油(株)、 ² (株) ジャパン・ティッシュ・エンジニアリング)
雑誌名	YAKUGAKU ZASSHI 130(8) 1069-1073

タイトル	Assessment of the human epidermal model LabCyte EPI-MODEL for <i>In vitro</i> skin corrosion testing according to the OECD test guideline 431
著者 (所属)	Kato M., Hamajima F., Ogasawara T., Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	The Journal of Toxicological Sciences

タイトル	Effect of topically applied sphingomyelin-based liposomes on the ceramide level in a three-dimensional cultured human skin model.
著者 (所属)	Tokudome Y, Uchida R, Yokote T, Todo H, Hada N, Kon T, Yasuda J, Hayashi H, Hashimoto F, Sugibayashi K. (Josai University)
雑誌名	Journal of Liposome Research

■ 2009

タイトル	培養皮膚モデルを用いた美白評価法
著者 (所属)	加藤雅一、畠賢一郎 (株) ジャパン・ティッシュ・エンジニアリング
雑誌名	COSMETIC STAGE

タイトル	The Unfolded Protein Response Is Activated in Differentiating Epidermal Keratinocytes
著者 (所属)	Sugiura K ¹ , Muro Y ¹ , Futamura K ^{1,2} , Matsumoto K ² , Hashimoto N ² , Nishizawa Y ¹ , Nagasaka T ¹ , Saito H ² , Tomita Y ¹ , Usukura J ³ . (¹ Nagoya University Graduate School of Medicine, ² National Research Institute of Child Health & Development, ³ Nagoya University)
雑誌名	Journal of Investigative Dermatology

タイトル	Morphological Characterization of a Reconstructed, Cultured Human Epidermal Model (LabCyte EPI-MODEL) As an Alternative to <i>in Vivo</i> Models
著者 (所属)	Katoh M., Kubo K., Hamajima F., Ogasawara T., Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	Alternatives to Animal Testing and Experimentation

タイトル	Trypsin as a novel potential absorption enhancer for improving the transdermal delivery of macromolecules
著者 (所属)	Li YZ. ¹ , Quan YS. ^{2,3} , Zang L. ² , Jin MN. ² , Kamiyama F. ³ , Katsumi H. ² , Tsutsumi S. ¹ , Yamamoto A. ² (¹ Kyoto University, ² Kyoto Pharmaceutical University, ³ CosMED Pharmaceutical Co. Ltd)
雑誌名	Journal of Pharmacy and Pharmacology

タイトル	美白研究とヒト3次元培養皮膚モデル
著者 (所属)	濱島史泰 (株) ジャパン・ティッシュ・エンジニアリング
雑誌名	月刊バイオインダストリー

タイトル	Assessment of human epidermal model LabCyte EPI-MODEL for in vitro skin irritation testing according to European centre for the validation of alternative methods (ECVAM)-Validated Protocol
著者 (所属)	Katoh M., Hamajima F., Ogasawara T., Hata K. (Japan Tissue Engineering Co., Ltd.)
雑誌名	The Journal of Toxicological Sciences

タイトル	Dichotomous effect of ultraviolet B on the expression of corneodesmosomal enzymes in human epidermal keratinocytes
著者 (所属)	Nin M., Katoh N., Kokura S., Handa O., Yoshikawa T., Kishimoto S. (Kyoto Prefectural University of Medicine)
雑誌名	Journal of Dermatological Science

タイトル	The development of a filter to enhance the efficacy and safety of excimer light (308 nm) therapy.
著者 (所属)	Kobayashi K. ¹ , Yasuda Y. ¹ , Shintani Y. ¹ , Sumitomo T. ² , Saga T. ² , Kimura M. ² , Yamamoto A. ³ , Mori T. ³ , Maeda A. ¹ , Yamaguchi Y. ¹ , Morita A. ¹ (¹ Nagoya City University, ² Ushio Inc., ³ Nara Medical University)
雑誌名	Photodermatology, Photoimmunology & Photomedicine

タイトル	Evaluation of the skin irritation using a DNA microarray on a reconstructed human epidermal Model
著者 (所属)	Niwa M. ¹ , Nagai K. ^{2,3} , Oike H. ² , Kobori M. ² (¹ Katakura Chikkarin Co., Ltd., ² National Food Research Institute, ³ Mitsubishi Rayon Co., Ltd.)
雑誌名	Biological & Pharmaceutical Bulletin

■ 2008

タイトル	角層タンパク質のカルボニル化による肌透明感の低下
著者 (所属)	岩井一郎、桑原智祐、平尾哲二 (株式会社資生堂 ライフサイエンス研究センター)
雑誌名	日本化粧品技術者会誌

タイトル	Test Method for Skin Damage of Titania Photocatalyst Nanoparticles in vitro.
著者 (所属)	Watanabe E., Fukaya M., Nishizawa K., Miki T., Taoda H. (National Institute of Advanced Industrial Science and Technology Chubu)
雑誌名	Material Science Forum

タイトル	Change in optical properties of stratum corneum induced by protein carbonylation in vitro.
著者 (所属)	Iwai I. ¹ , Ikuta K. ¹ , Murayama K. ² , Hirao T. ¹ (¹ Shiseido Life Science Research Center, ² Gifu University)
雑誌名	International Journal of Cosmetic Science

タイトル	Study on the prediction of human lip irritation from cosmetics materials using HeLa-MTT assay.
著者 (所属)	Morinaga M., Shingaki K., Mori T., Yanagihara K. (NOEVIR Co., Ltd.)
雑誌名	Alternatives to Animal Testing and Experimentation

■ 2007

タイトル	疎水性リン脂質ポリマーの吸着性制御と刺激低減機能の評価
著者 (所属)	山本宣之 ^{1,2} 、山岸忠明 ² 、中本義章 ² (¹ 日本油脂株式会社、 ² 金沢大学)
雑誌名	SEN'I GAKKAISHI

タイトル	LEDGF/DFS70, a major autoantigen of atopic dermatitis, is a component of keratohyalin granules
著者 (所属)	Sugiura K. ¹ , Muro Y. ¹ , Nishizawa Y. ¹ , Okamoto M. ¹ , Shinohara T. ² , Tomita Y. ¹ , Usukura J. ¹ (¹ Nagoya University Graduate School of Medicine, ² University of Nebraska Medical Center)
雑誌名	Journal of Investigative Dermatology

■ 2006

タイトル	皮膚刺激性試験代替材料としてのヒト3次元培養表皮モデルと皮膚モデルの比較
著者 (所属)	久保 健太郎 ¹ 、浜島 史泰 ¹ 、加藤 雅一 ¹ 、畠 賢一郎 ¹ 、小島 肇夫 ² 、小西 宏明 ² (¹ 株式会社ジャパン・ティッシュ・エンジニアリング、 ² 日本メナード化粧品株式会社)
雑誌名	フレグランスジャーナル

タイトル	Dose-response evaluation using an epidermal model, an alternative to skin irritation testing.
著者 (所属)	Kojima H., Ishii I., Nakata S., Konishi H. (Nippon Menard Cosmetic Co., Ltd)
雑誌名	Alternatives to Animal Testing and Experimentation