

目 次

原著論文要旨

Chemistry Inorganic or Physical

Chiral recognition by single bilayered phosphatidylcholine vesicles using [5]thiaheterohelicene as a probe.	1
Hiroko Nakagawa(中川弘子), Yuuki Kobori(小堀裕紀), Maiko Yoshida (吉田麻衣子), and Koh-ichi Yamada(山田紘一)	

Chiral Recognition of Thiaheterohelicenes by Alkyl -D-Pyranoside Micelles. Influence of Extension of Helix.	2
Hiroko Nakagawa(中川弘子), Kanae Gomi(五味香苗), and Koh-ichi Yamada (山田紘一)	

Spontaneous Chirality Conversion of [5]Thiaheterohelicene in Charge-Transfer Complexes in SDS Micelles.	3
Hiroko Nakagawa(中川弘子), Yuuki Kobori(小堀裕紀), and Koh-ichi Yamada(山田紘一)	

Organic

Total Synthesis of (±)-Stemodinone via an Efficient Ring-Exchange Strategy.....	4
Tetsuaki Tanaka, Kazuo Murakami, Atsushi Kanda, Debasis Patra, Sachiko Yamamoto, Norifumi Satoh, Sang-Won Kim(金 相元), S.M.Abdur Rahman, Hiroaki Ohno, and Chuzo Iwata	

HETEROCYCLIZATION OF 4-TRIFLUOROACETYL-1,3-OXAZOLIUM-5-OLATES WITH 1,4-BIS-NUCLEOPHILES	5
Masami Kawase(河瀬雅美), Hiromi Koiwai(小岩井広美), Toru Tanaka(田中 享), Satoru Tani(谷 覺), and Hiroshi Miyamae	

Convenient Synthesis of 4-Trifluoromethyl-Substituted Imidazole Derivatives	6
Masami Kawase(河瀬雅美) , Setsuo Saito(齋藤節生) and Teruo Kurihara	
Trifluoromethyl Ketone-based Inhibitors of Apoptosis in Cerebellar Granule Neurons	7
Masami Kawase(河瀬雅美) , Katsuyoshi Sunaga(須永克佳) , Satoru Tani(谷 覺), Masayuki Niwa, and Toshihiko Uematsu	
Antimicrobial activity of trifluoromethyl ketones and their synergism with promethazine.....	8
Masami Kawase(河瀬雅美) , Noboru Motohashi , Hiroshi Sakagami , Taisei Kanamoto , Hideki Nakashima , Lajos Ferenczy , Kristina Wolfard , Csilla Miskolci and Joseph Molnar	
Antimicrobial Activity of New Coumarin Derivatives	9
Masami Kawase(河瀬雅美) , Bharat Varu , Anamik Shah , Noboru Motohashi , Satoru Tani(谷 覺) , Setsuo Saito(齋藤節生) , Sanchayita Debnath , S. Mahapatra , Sujata G. Dastidar and A. N. Chakrabarty	
Enhanced antibacterial effect of erythromycin in the presence of 3,5-dibenzoyl-1,4-dihydropyridines	10
Gyongyi Gunics , Noboru Motohahsi , Joseph Molnar , Ssndor Farkas , Masami Kawase(河瀬雅美) , Setsuo Saito(齋藤節生) , and Anamik Shah	
Biological activity of Kiwifruit peel extracts	11
Noboru Motohashi , Yoshiaki Shirataki(白瀧義明) , Masami Kawase(河瀬雅美) , Satoru Tani(谷 覺) , Hiroshi Sakagami , Kazue Satoh , Teruo Kurihara , Hideki Nakashima , Kristina Wolfard , Csilla Miskolci , and Joseph Molnar	
Biological activity of a fruit vegetable, "Anastasia Green", a species of sweet pepper.....	12
Noboru Motohashi , Teruo Kurihara , Hidetsugu Wakabayashi , Mikako Yaji , Ilona Mucsi , Joseph Molnar , Shichiro Maruyama , Hiroshi Sakagami , Hideki Nakashima , Satoru Tani(谷 覺) , Yoshiaki Shirataki(白瀧義明) , and Masami Kawase(河瀬雅美)	

4-(2-Aminoethylamino)-7 <i>H</i> -benz[<i>de</i>]benzimidazo[2,1- <i>a</i>]isoquinoline-7-one as a Highly Sensitive Fluorescent Labeling Reagent for Carnitine	13
Ken-ichi Nakaya , Toshiyuki Tanaka , Yoshiaki Shirataki (白瀧義明) , Hisayoshi Shiozaki , Kazumasa Funabiki , Katsuyoshi Shibata1 and Masaki Matsui	
Comparison of Antioxidative and Chelating Effects of Daidzein and Daidzin on Protein Oxidative Modification by Copper <i>In Vitro</i>	14
Shizuo Toda and Yoshiaki Shirataki (白瀧義明)	
<i>In Vitro</i> Biological Activity of Prenylflavanones	15
Yoshiaki Shirataki(白瀧義明) , Noboru Motohashi , Satoru Tani(谷 覺) , Hiroshi Sakagami , Kazue Satoh , Hideki Nakashima , S. K. Mahapatra , Kumkum Ganguly , Sujata G. Dastidar and A. N. Chakrabarty	
Stilbenoids in Lianas of <i>Gnetum parvifolium</i>	16
Toshiyuki Tanaka , Ibrahim Iliya , Tetsuro Ito , Miyuki Furusawa , Ken-ichi Nakaya , Munekazu Iinuma , Yoshiaki Shirataki(白瀧義明) , Nobuyasu Matsuura , Makoto Ubukata , Jin Murata , Fumio Simozono and Kazunori Hirai	
Inhibitory Effects of Echinoisoflavanone and Sophoraisoflavanone D in <i>Sophora chrysophylla</i> Seem on Lipid Peroxidation of Mice Brain Homogenate by Interaction of Ferrous Ion and Hydrogen Peroxide <i>In Vitro</i>	17
Shizuo Toda and Yoshiaki Shirataki(白瀧義明)	
Monitoring of MRP-like Activity in Human Erythrocytes: Inhibitory Effect of Isoflavones	18
Malgorzata Bobrowska-Hagerstrand , Anna Wrobel , Blazej Rychlik , Grzegorz Bartosz , Thomas Soderstrom , Yoshiaki Shirataki(白瀧義明) , Noboru Motohashi , Joseph Molnar , Krystyna Michalak and Henry Hagerstrand	
Antioxidative effects of Dibenzo- -pyrones in Fruits of <i>Trapa natans</i> on Lipid Peroxidation.....	19
Yoshiaki Shirataki(白瀧義明) and Shizuo Toda	

Four New Glucosides of Stilbene Oligomers from the Stem of <i>Gnetum gnemonoides</i>	20
Ibrahim Iliya , Toshiyuki Tanaka , Miyuki Furusawa , Zulfiqar Ali , Ken-ichi Nakaya , Munekazu Iinuma , Yoshiaki Shirataki(白瀧義明) , Jin Murata and Dedy Darnaedi	
Relationship between Cytotoxic Activity and Radical Intensity of Isoflavones from <i>Sophora Species</i>	21
Yoshiaki Shirataki(白瀧義明) , Satoru Tani(谷 覺) , Hiroshi Sakagami , Kazue Satoh , Hideki Nakashima , Kazuyo Gotoh and Noboru Motohashi	
Antimicrobial Activity of Prenylflavanones	22
Sujata G. Dastidar, S. K. Mahapatra, Kumkum Ganguly, A. N. Chakrabarty, Yoshiaki Shirataki(白瀧義明) , and Noboru Motohashi	
Reactivity of 2-methylene-1,3-dicarbonyl compounds: catalytic enantioselective Diels-Alder reaction	23
Masashige Yamauchi(山内昌茂) , Takashi Aoki(青木隆) , Ming-Zhu Li(李明洙) and Yuko Honda(本田裕子)	
Diastereoselective synthesis of 2-alkylated 4-silyloxyproline esters	24
Tatsunori Sato , Satomi Kawasaki , Nobuo Oda , Shoko Yage, Serry A. A. El Bialy , Jun'ichi Uenishi , Masashige Yamauchi(山内昌茂) and Masazumi Ikeda	
Reactivity of 2-Methylene-1,3-dicarbonyl Compounds. 1,3-Dipolar Cycloaddition Reaction with Diazoacetate	25
Masashige Yamauchi(山内昌茂) , and Masahiko Yajima(矢嶋優彦)	
A New and Convenient Synthesis of 3-Aryl-3-hydroxyisoindol-1-ones and Their Aza Analogs	26
Yuko Saito(斉藤優子) , Takeshi Sakamoto(坂本武史) , Yasuo Kikugawa(菊川靖雄)	

A new intramolecular migration of the imino group of O-arylketoxyimes to the aryl group under the Beckmann condition	27
Yasuo Kikugawa(菊川靖雄), Chiho Tsuji(辻千穂), Etsuko Miyazawa(宮沢悦子) and Takeshi Sakamoto(坂本武史)	
Reaction of Phenylhydrazines with Arenes in the Presence of Aluminium Trichloride.....	28
Atsushi Ohwada(大和田淳), Shigeru Nara(奈良繁), Takeshi Sakamoto(坂本武史) and Yasuo Kikugawa(菊川靖雄)	
Synthesis of Carbazoles from <i>N</i> -(<i>N,N</i> -Diarylamino)phthalimides with Aluminium Chloride via Diarylnitrenium Ions	29
Yasuo Kikugawa (菊川靖雄), Yutaka Aoki (青木豊), and Takeshi Sakamoto (坂本武史)	
Synthesis of 4-Oxepanones by the Lewis Acid-Promoted Ring-Expansion Reaction of Cyclopropapyranones	30
Yoshiaki Sugita(杉田義昭), Chikasa Kimura(木村爾沙), Hiroki Hosoya(細谷弘樹), Shiori Yamadoi (山土井しおり), and Ichiro Yokoe(横江一朗)	
Diastereoselective Ring-Expansion Reaction of Methanochromanone with Aldehydes: Formation of <i>trans</i> -Fused Tetrahydrofuro[2,3- <i>b</i>][1]benzopyranones and Their Isomerization	31
Yoshiaki Sugita(杉田義昭), Kazuyoshi Kawai(川井一良), and Ichiro Yokoe(横江一朗)	
Synthesis of Trisubstituted 4-Oxepanones by the Lewis Acid-Promoted Three-Component Ring-Expansion Reaction of Cyclopropapyranones, Silyl Enolates and Glyoxylates	32
Yoshiaki Sugita(杉田義昭), Chikasa Kimura(木村爾沙), and Ichiro Yokoe(横江一朗)	
Reaction of 3-Iodochromone with Nucleophiles 3. Formation of	33
2-Aminomethylene-3(2H)-benzofuranones by the Reaction with Secondary Amines.. Yoshiaki Sugita(杉田義昭), Takako Iwaki(岩木貴子), Misaki Okamoto(岡本美咲), and Ichiro Yokoe(横江一朗)	

Lewis Acid-Promoted Cycloaddition Reaction of Cyclopropanes with Allylsilanes.....	34
Yoshiaki Sugita(杉田義昭) , Shiori Yamadoi(山土井しおり) , Hiroki Hosoya (細谷弘樹) , and Ichiro Yokoe(横江一朗)	
Cytotoxic Activity of 5-Benzoylimidazole and Related Compounds against Human Oral Tumor Cell Lines.....	35
Kuniko Terasawa(寺沢邦子) , Yoshiaki Sugita(杉田義昭) , Ichiro Yokoe (横江一朗) , Seiichiro Fujisawa , and Hiroshi Sakagami	
Cytotoxic Activity of Benzothiepins against Human Oral Tumor Cell Lines.....	36
Yoshiaki Sugita(杉田義昭) , Hiroki Hosoya(細谷弘樹) , Kuniko Terasawa(寺沢邦子) , Ichiro Yokoe(横江一朗) , Seiichiro Fujisawa , and Hiroshi Sakagami	
Cytotoxic Activity of 2-Aminomethylene-3(2 <i>H</i>)-benzofuranones against Human Oral Tumor Cell Lines.....	37
Kuniko Terasawa(寺沢邦子) , Yoshiaki Sugita(杉田義昭) , Ichiro Yokoe (横江一朗) , Seiichiro Fujisawa , and Hiroshi Sakagami	

Analytical

Occurrence of aminopropylhomospermidine as the major cellular polyamine in a halophilic, phototrophic alpha proteobacterium, <i>Rhodothalassium salexigens</i>	38
Koei Hamana , Masaru Niitsu(新津 勝) , and Keijiro Samejima(鮫島啓二郎)	
Large production of an aromatic amine, 2-phenylethylamine, in a psychrophilic marine bacterium, <i>Psychroflexus torquis</i>	39
Koei Hamana , and Masaru Niitsu(新津 勝)	

Biochemistry/Molecular Biology

Regulation of estrogenic and nuclear factor β functions by polyamines and their role in polyamine analog-induced apoptosis of breast cancer cells.	40
Neha Shah , TJ Thomas , John S Lewis , Carolyn M Klinge , Akira Shirahata(白幡 晶) , Celine Gelinac and Thresia Thomas	

A Molecular Beacon Strategy for Thermodynamic Characterization of Triplex DNA: Triplex Formation at the Promoter Region of Cyclin D1.....	41
Thomas Antony, Thresia Thomas , Leonard H. Sigal , Akira Shirahata(白幡 晶) , and T. J. Thomas	
DNA Condensation by Polyamines: A Laser Light Scattering Study of Structural Effects.....	42
Veena Vijayanathan , Threia Thomas , Akira Shirahata(白幡 晶) , and T. J. Thomas	
Polyamine Cytotoxicity in the Presence of Bovine Serum Amine Oxidase	43
Shahana Sharmin, Kaori Sakata, Keiko Kashiwagi, Shiro Ueda, Satoko Iwasaki, Akira Shirahata (白幡 晶) , Kazuei Igarashi	
Accumulation of Medium Chain Acyl-CoAs during b-Oxidation of Long Chain Fatty Acid by Isolated Peroxisomes from Rat Liver	44
Fumie Hashimoto(橋本フミ恵) , Yasuko Furuya(古屋泰子) , and Hidenori Hayashi(林 秀徳)	

Pharmacology and Toxicology

Q O L に対するアロマセラピー効果とその可能性.....	45
Takeo Kawaguchi (川口 健夫)	
Effect of Glucocorticoid on Expression of Rat MUC5AC mRNA in Rat Gastric Mucosa <i>in Vivo</i> and <i>in Vitro</i>	46
Toru Tanaka (田中享) , Taketo Kobayashi(小林丈人) , Katsuyoshi Sunaga (須永克佳) , and Satoru Tani(谷 覺)	
Comparison of the elimination between perfluorinated fatty acids with different carbon chain length in rats.....	47
Naomi Kudo(工藤なをみ) , Erika Suzuki(鈴木恵里春) , Masanori Katakura (片倉賢紀) , Kohtaro Ohmori(大森耕太郎) , Rie Noshiro(野城理絵) and Yoichi Kawashima(川嶋洋一)	

Effects of perfluorooctanoic acid on the synthesis of phospholipids in the liver of mice fed a dietary soy bean oil, perilla oil or fish oil.....	48
Naomi Kudo(工藤なをみ) and Yoichi Kawashima(川嶋洋一)	
Metabolic alterations by clofibrilic acid in the formation of molecular species of phosphatidylcholine in the liver of rats.....	49
Hiroki Mizuguchi , Naomi Kudo(工藤なをみ) , and Yoichi Kawashima(川嶋洋一)	
Effects of dehydroepiandrosterone on oleic acid formation in the liver of rats, mice and guinea pigs.....	50
Koich Imai , Naomi Kudo(工藤なをみ) , Matajirou Koyama , Akira Shirahata (白幡晶)and Yoichi Kawashima(川嶋洋一)	
Prostaglandin E2 (EP1) receptor agonist-induced DNA synthesis and proliferation in primary cultures of adult rat hepatocytes: The involvement of transforming growth factor-	51
Mitsutoshi Kimura(木村光利) , Sachie Osumi(大澄幸恵) , and Masahiko Ogihara (荻原政彦)	
Glycyrrhizin and some analogues induce growth of primary cultured adult rat hepatocytes via epidermal growth factor receptors.....	53
Mitsutoshi Kimura(木村光利) , Hideo Inoue , Kazuhiro Hirabayashi , Hideshi Natsume(夏目秀視) , and Masahiko Ogihara(荻原政彦)	
Tolerance to analgesia dependence liability by topical application of dihydroetorphine to hairless rats.....	55
Satoshi Ohmori(大森悟史) , Liang Fang(方 亮) , Masami Kawase(河瀬雅美) , Setsuo Saito(齋藤節生) , Yasunori Morimoto(森本雅憲)	

Pharmaceutical

Transdermal microparticle delivery by a supersonic-HeliosTM gun system.....	56
Jin Yi , Uchida Masaki(内田昌希) , Wang Cheng-fa , Natsume Hideshi (夏目秀視) , Sugibayashi Kenji(杉林堅次) , Morimoto Yasunori(森本雅憲)	

A protective effect against undesirable increase of dihydroetorphine permeation through damaged skin by using pressure-sensitive adhesive tape with an ethylene-vinyl acetate co-polymer membrane.....	57
Satoshi Ohmori(大森悟史), Yohei Sugiyama(杉山洋平), and Yasunori Morimoto(森本雅憲)	
Estimation of Absorption Rate of β -Human Atrial Natriuretic Peptide from the Plasma Profile and Diuretic Effect after Intranasal Administration to Rats.....	58
Misao Miyamoto, Tadashi Tsukune(築根忠司), Seiichi Hori(堀 聖一), Teruaki Hayashi, Hideshi Natsume(夏目秀視), Kenji Sugibayashi(杉林堅次) and Yasunori Morimoto(森本雅憲)	
Improved nasal absorption of drugs using poly-L-arginine: effects of concentration and molecular weight of poly-L-arginine on thenasal absorption of fluorescein isothiocyanate-dextran in rats.....	59
Misao Miyamotoa, Hideshi Natsume(夏目秀視), Satoko Iwata(岩田聡子), Kazuo Ohtake(大竹一男), Masatoshi Yamaguchic, Daisuke Kobayashi(小林大介), Kenji Sugibayashi(杉林堅次), Motoaki Yamashinad, Yasunori Morimoto(森本雅憲)	
Effect of poly-L-arginine on the nasal absorption of FITC-dextran of different molecular weights and recombinant human granulocyte colony-stimulating factor (rhG-CSF) in rats.....	61
Misao Miyamotoa, Hideshi Natsume(夏目秀視), Izumi Satoh(佐藤いづみ), Kazuo Ohtake(大竹一男), Masatoshi Yamaguchid, Daisuke Kobayashi(小林大介), Kenji Sugibayashi(杉林堅次), Yasunori Morimoto(森本雅憲)	
Pharmacokinetic and pharmacodynamic evaluations of a potent analgesic dihydroetorphine, in hairless rat.....	63
Satoshi Ohmori, Teruaki Hayashi, Masami Kawase(河瀬雅美), Setsuo Saito(斎藤節生), Yasunori Morimoto(森本雅憲)	

<i>N-Acetyltransferase2</i> Genotype Correlated with Isoniazid Acetylation in Japanese Tuberculous Patients.	64
T. Kita , Y. Tanigawara , S. Chikazawa , H. Hatanaka , T. Sakaeda , F. Komada (駒田富佐夫) , S. Iwakawa , and K. Okumura	
Identification of <i>N-Acetyltransferase 2</i> and <i>CYP2C19</i> Genotypes for Hair, Buccal Cell Swabs, or Fingernails Compared with Blood.	66
Y. Tanigawara , T. Kita , M. Hirono , T. Sakaeda , F. Komada(駒田富佐夫) and K Okumura	
<i>CYP2C19</i> Genotype Related Effect of Omeprazole on Intragastric pH and Antimicrobial Stability.....	67
T. Kita , Y. Tanigawara , N. Aoyama , T. Hohda , Y. Saijoh , F. Komada(駒田富佐夫) , T. Sakaeda , K. Okumura , T. Saka , and M. Kasuga	
Adrenergic Receptor Genotype-Related Changes in cAMP Levels in peripheral Blood Mononuclear Cells after Multiple-Dose Oral Procateterol.....	68
H. Makimoto , T. Sakaeda , K. Nishiguchi , T. Kita , T. Sakai , F. Komada(駒田富佐夫) , and K. Okumura	
Electric field analysis on the improved skin concentration of benzoate by electroporation	69
Kenji Sugibayashi(杉林堅次) , Maki Yoshida(吉田牧) , Kenji Mori , Tetsuya Watanabe(渡邊哲也) , Tetsuya Hasegawa(長谷川哲也)	
Potential usefulness of solubility index for prediction of the skin permeation rate of 5-IMSN from pressure-sensitive adhesive tape	70
Kimihiro Sato(佐藤公洋) , Naomi Mitsui(三井直美) , Tetsuya Hasegawa(長谷川哲也) , Kenji Sugibayashi(杉林堅次) , Yasunori Morimoto(森本雍憲)	
Utility of the Three-Dimensional Cultured Human Skin Model as a Tool to Evaluate Skin Permeation of Drugs.....	71
Tetsuya Watanabe(渡邊哲也) , Tetsuya Hasegawa(長谷川哲也) , Hidekazu Takahashi , Takuya Ishibashi , Kozo Takayama , Kenji Sugibayashi(杉林堅次)	

Effect of Penetration Enhancers on the Permeation of Drugs across a Three-Dimensional Cultured Human Skin Model: Comparison with the Effects Using Excised Hairless Rat Skin.....	72
Tetsuya Watanabe(渡邊哲也), Tetsuya Hasegawa(長谷川哲也), Hidekazu Takahashi, Takuya Ishibashi, Kenji Sugibayashi(杉林堅次)	

口頭発表及びシンポジウム	75
---------------------------	----

著書・総説・Proceedings	95
--------------------------------	----

学位論文要旨	101
---------------------	-----

安定同位体標識ポリアミンを利用する方法論の開発と応用.....	101
---------------------------------	-----

許 泳吉

薬物の皮膚透過並びに皮膚刺激の評価材料としての三次元培養ヒト皮膚モデルの有用性	103
---	-----

渡邊哲也

Study for Transdermal Delivery of a Potent Analgesic Dihydroetorphine	106
---	-----

大森悟史

高分子薬物の鼻粘膜からの吸収に関する研究.....	108
---------------------------	-----

宮本 操

ステロイド化合物の反応性と新規ステロイド誘導体の合成研究	110
------------------------------------	-----

戸張彰彦

大学院薬学研究科修士論文要旨	115
-----------------------------	-----

薬学専攻

チロシナーゼ阻害作用を有するフェノール類の合成	115
-------------------------------	-----

中野文子

Acetanilide 誘導体と Hypervalent Iodine 化合物との反応.....	116
--	-----

伊藤直樹

<i>N</i> -Acylaminophthalimide 類と Phenyliodine(III) <i>Bis</i> (trifluoroacetate)との反応.....	116
--	-----

長島 章

ミセルを反応場とする両親媒性ヘリセンのキラリティーの誘起と変換.....	117
--------------------------------------	-----

高市康宏

ヘリセンをプローブとするグリセロリン脂質二分子膜によるキララル識別	118
---	-----

吉田麻衣子

結晶場によるキラリティーの制御 ラセミ結晶とエナンチオマー結晶	118
吉野 順	
HPLCを用いる脱炭酸化S-アデノシルメチオニンの高感度定量法の開発	119
岩崎聖子	
グアニジノ化合物投与によるHTC細胞における増殖とポリアミン量への影響	120
岡本政治	
蛍光基質を用いたHPLCによるスペルミジン/スペルミン-N ¹ - アセチル移転酵素活性測定法の開発	121
深澤一昭	
ペルフルオロ脂肪酸の体内動態における血漿アルミブンの影響	121
佐藤靖典	
ペルフルオロ脂肪酸の排泄における動物種差および性差の検討	122
住谷文須紗	
脂肪酸伸長酵素および不飽和化酵素に対するフッ素化脂肪酸の影響	123
外山智章	
ポリプロピレングリコールを分散媒として用いたデンブンマイクロスフィアの調製法	123
篠原克典	
薬物の粘膜吸収における細胞間隙透過性の評価に関する研究	125
原田園子	
薬物の種々媒体中における拡散性の評価	126
持田純子	
ワルファリンとブコロームの併用とその有効性及び有用性について	126
羽田乃武子	
パラベン類の皮膚透過に及ぼす高分子添加剤の影響とその解析	126
金 素安	
サリチル酸の皮膚透過ならびに皮膚中および筋肉内濃度に及ぼす灸処理の影響	127
田澤悠子	
皮膚中代謝及び担体輸送の研究における三次元培養ヒト皮膚モデルの有用性に関する検討	128
松本かおり	
γ受容体プロモーター領域における遺伝子多型の頻度	128
岩崎鉄尚	
スタチン系抗高脂血症薬投与による血清コレステロールとトリコールの濃度変化	129
小泉宜史	

不死化ヒト胎盤絨毛細胞の酵素活性とホルモン分泌に対するペルオキシソーム増殖剤 ゲンフィプロジル、クロフィブリン酸の影響	130
小口敬伸	
健康食品に関する実態調査	131
山崎理恵	
白血病治療の支持療法におけるH ₂ ブロッカー選択	131
赤津 勲	
<i>In vitro</i> 経皮吸収試験法 OECDガイドライン(案) における皮膚integrity および物質収支の評価に関する研究	132
土肥大典	
著者索引	133