教育研究業績書

2024年10月22日

所属： 食物栄養学科　　資格： 教授　　氏名： 芦田　均

研究分野	研究内容のキーワード
食品機能学、栄養科学	生活習慣病予防、食品因子の機能、薬物代謝系調節
学位	最終学歴
学術博士	神戸大学大学院自然科学研究科資源生物科学専攻、博士課程

教育上の能力に関する事項		
事項	年月日	概要
1 教育方法の実践例		
2 作成した教科書、教材		
1.応用生命化学実験Ⅱ＆Ⅲ（分担執筆） 2.応用生命化学実験Ⅰ（分担執筆） 3.食の倫理（分担執筆）		
3 実務の経験を有する者についての特記事項		
4 その他		

職務上の実績に関する事項		
事項	年月日	概要
1 資格、免許		
1.神戸市排水管理責任者 2.第1種衛生管理者		
2 特許等		
1.特許5061282号、「ナリンゲニン誘導体、それを含有するグルコース取込み促進剤及び血糖値上昇抑制剤」、発明者：芦田均、吉田健一、福田伊津子、坂根巌、特許権者：株式会社伊藤園、国立大学法人神戸大学 2.特許第5242885号、「筋肉内AMPK活性化剤」、発明者：坂根巌、沢村信一、芦田均、別所宏明、久保麻友子、吉田健一、福田伊津子、特許権者：株式会社伊藤園 3.特許第5594719号、「筋肉の糖取り込み促進剤」、発明者：芦田均、川畑球一、特許権者：国立大学法人神戸大学 4.特許第5649119号、「シローイノシトール産生細胞および当該細胞を用いたシローイノシトール製造方法」、発明者：吉田健一、芦田均、特許権者：国立大学法人神戸大学 5.特許第5658479号、「脂肪減少等の活性を示す組成物」、発明者：斎藤正好、原田栄津子、芦田均、水野雅史、特許権者：株式会社岩出菌学研究所 6.特許第6772064号、「ポリフェノール含有機能性経口組成物」、発明者：夏目みどり、芦田均、山下陽子、特許権者：株式会社明治		
3 実務の経験を有する者についての特記事項		
4 その他		

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
1 著書				
1.Health beneficial functions of black soybean polyphenols.	共	2024年	In Food Biotechnology 3rd Edition, Ed by Kalidas Shetty. CRC	Yoko Yamashita, Yasukiyo Yoshioka, **Hitoshi Ashida**.

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
1 著書				
			Press, in press.	
2.歴史の部 Ⅲ 周年記念事業等, 4. 75周年記念式典記録, 「日本栄養・食糧学会創立75周年記念　栄養・食糧学が拓く未来のために―学会が歩んだ軌跡と会員からのメッセージ―」	単	2024年	公益社団法人 日本栄養・食糧学会編集, 建帛社	**芦田均**. 総ページ数：263ページ, 225-231.
3.歴史の部 Ⅰ 学会の制度, 活動等, 1. 理事制度の現状, 「日本栄養・食糧学会創立75周年記念　栄養・食糧学が拓く未来のために―学会が歩んだ軌跡と会員からのメッセージ―」	単	2024年	公益社団法人 日本栄養・食糧学会編集, 建帛社	**芦田均**. 総ページ数：263ページ, 138-152.
4.エッセイの部 新型コロナ感染症(COVID-19)流行下における大会, 「日本栄養・食糧学会創立75周年記念　栄養・食糧学が拓く未来のために―学会が歩んだ軌跡と会員からのメッセージ―」	単	2024年	公益社団法人 日本栄養・食糧学会編集, 建帛社	**芦田均**. 総ページ数：263ページ, 6-8.
5.第1章Section 23 天然抗酸化物質, 「酸化ストレスの医学 改訂第3版」	共	2024年	一般社団法人日本酸化ストレス学会監修, 内藤裕二, 豊國伸哉, 赤池孝章, 半田修編集	村上明, **芦田均**. 診断と治療社(総ページ数：520ページ), 198-206.
6.メタボリックシンドロームの予防, 「ポリフェノールの科学」	共	2023年	寺尾純二, 下位香代子監修, 越阪部奈緒美, 榊原啓之, 中村宜督, 三好規之, 室田佳恵子編集, 朝倉書店	**芦田均**, 山下陽子. 総ページ数：214ページ, 66-77.
7.黒大豆ポリフェノール, 「血流改善成分の開発と応用」	共	2018年	大澤俊彦監修シーエムシー出版	山下陽子、**芦田均**. ページ：100-106.
8.フラボノイドによるAhR形質転換抑制機構「非栄養素の分子栄養学」	単	2017年	**芦田均**, 薩秀夫, 中野長久編, 建帛社	**芦田均**.ページ：13-28.
9.非栄養素の分子栄養学の概説, 「非栄養素の分子栄養学」	共	2017年	**芦田均**, 薩秀夫, 中野長久編, 建帛社	**芦田均**、薩秀夫. ページ：1-10.
10.抗環境汚染物質毒性, 「茶の事典」	共	2017年	大森正司, 阿南豊正, 伊勢村護, 加藤みゆき, 滝口明子, 中村羊一郎編, 朝倉書店	**芦田均**, 福田伊津子. ページ：448-451.
11.カカオポリフェノールの抗肥満効果, 「ポリフェノール：機能性成分研究開発	共	2016年	波多野力, 下田博司　監修, シーエムシー出版	**芦田均**, 山下陽子. ページ：135-140.

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
1 著書				
の最新動向」				
12.食品因子による栄養制御研究において解決すべき課題と期待すること，「食品因子による栄養機能制御」	共	2015年	**芦田均** ，立花宏文，原博　編集，建帛社	**芦田均**，立花宏文．ページ： 273-276.
13.プロシアニジンによる血糖ならびに脂質代謝調節，「食品因子による栄養機能制御」	共	2015年	**芦田均**，立花宏文，原博　編集，建帛社	山下陽子，**芦田均**．ページ：177-195.
14.食品因子による栄養機能制御について，「食品因子による栄養機能制御」	共	2015年	**芦田均**，立花宏文，原博　編集，建帛社	**芦田均**，立花宏文.ページ： 1-11.
15.Modulation of drug-metabolizing enzymes and transporters by polyphenols as one of the anti-carcinogenic effects. In Polyphenols in Human Health and Diseases: Vol. 2	共	2013年	Eds by Watson, R.R, Preedy, V. R., Zibadi, S., Elsevier Inc.	Itsuko Fukuda, **Hitoshi Ashida**. Pages: 1127-1135.
16.Determination of subcellular localization of flavonol in cultured cells by laser scanning. In Laser Scanning, Theory and Applications.	共	2011年	Ed by Chau-Chang Wang. Intec-Open Access Publisher.	Rie Mukai, Junji Terao, Yasuhito Shirai, Naoaki Saito, **Hitoshi Ashida**. Pages: 215-232.
17.Insulin-mimetic activity of inositol derivatives depends on phosphorylation of PKCζ/λ in L6 myotubes. In “Animal Cell Technology: Basic & Applied Aspects, Vol. 16”	共	2010年	Eds. by, Masamichi Kamihira, Yoshinori Katakura, Akira Ito, Springer.	Nhung Thuy Dang, Masanori Yamaguchi, Tadashi Yoshida, Ken-ichi Yoshida, Hitoshi **Hitoshi Ashida**. Pages: 327-331.
18.Inositol derivatives stimulate glucose transport in muscle cells. In “Animal Cell Technology: Basic & Applied Aspects, Vol. 15”	共	2009年	Eds. by, Koji Ikura, Masaya Nagao, Akira Ichikawa, Kiichiro Teruya, and Sanetaka Shirahata. Springer,	Angeline Yap, Shin Nishiumi, Ken-ichi Yoshida, **Hitoshi Ashida**. Pages: 217-222.
19.γ-トコフェリルキノンによる細胞死抑制	共	2009年	ビタミンE研究会編，ビタミンE研究	小川陽子，斎藤芳郎，西尾敬子，吉田康一，**芦田均**，二木悦雄．ページ：67-72.

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
1 著書				
効果とそのメカニズム解析，「ビタミン研究の進歩ＸⅢ」			会発行	
20.熱中性子放射化分析による定量分析，「メタルバイオテクノロジーによる環境保全と資源回収～新元素戦略の新しいキーテクノロジー～」		2009年	日本生物工学会メタルバイオ部会編，シーエムシー出版	川瀬雅也，**芦田均**，福田伊津子．ページ：263-270.
21.Suppressive Effects of Flavonoids on Activation of the Aryl Hydrocarbon Receptor Induced by Dioxins (Chapter 31). In “Functional Food and Health”	共	2008年	Eds. by Takayuki Shibamoto, Kazuki Kanazawa, Fereidoon Shahidi, and Chi-Tang Ho.ACS symposium series No.993, American Chemical Society	Itsuko Fukuda, **Hitoshi Ashida**. Pages:369-374.
22.芳香族炭化水素の毒性発現抑制作用への可能性，「茶の効能と応用開発」	共	2006年	伊勢村護監修，シーエムシー出版	福田伊津子，**芦田均**．ページ：316-326.
23.Suppression of cytochrome P450la subfamily in mouse liver by oral intake of polysaccharеides from mushrooms, Lentinus edodes and Agaricus blazei (Chapter 21). In “Symposium Series No. 851/Food Factors in Health Promotion and Disease Prevention”	共	2003年	Eds. by Fereidoon Shahidi, Chi-Tang Ho, Shaw Watanabe, Toshihiko Osawa, American Chemical Society	**Hitoshi Ashida**, Takashi Hashimoto, Yuji Nonaka, Itsuko Fukuda, Kazuki Kanazawa, Gen-ichi Danno, Ken-ichiro Minato, Sachiko Kawakami, Masashi Mizuno. Pages: 235-248.
24.Tea extracts modulate a glucose transport system in 3T3-L1 adipocytes (Chapter 20). In “Symposium Series No. 851/Food Factors in Health Promotion and Disease Prevention”	共	2003年	Eds. by Fereidoon Shahidi, Chi-Tang Ho, Shaw Watanabe, Toshihiko Osawa, American Chemical Society	Takashi Furuyashiki, Sayaka Terashima, Hironobu Nagayasu, Atsushi Kaneko, Iwao Sakane, Takami Kakuda, Kazuki Kanazawa, Gen-ichi Danno, **Hitoshi Ashida**. Pages: 224-234.
25.A tryptophan pyrolysis product, 3-amino-1,4-dimethyl-5H-pyrido	共	2003年	Eds. by Fereidoon Shahidi, Chi-Tang Ho, Shaw	Bunsyo Shiotani, **Hitoshi Ashida**, Yuji Nonaka, Takashi Hashimoto, Kazuki Kanazawa, Gen-ichi Danno. Pages: 141-151.

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
1 著書				
[4,3b] indole (Trp-P-1) but not its metabolite induces apoptosis in primary cultured rat hepatocytes (Chapter 13). In "Symposium Series No. 851/Food Factors in Health Promotion and Disease Prevention"			Watanabe, Toshihiko Osawa, American Chemical Society	
26. Preventive effects of food components on caspase-8-mediated apoptosis induced by dietary carcinogen, Trp-P-1, in rat mononuclear cells (Chapter 12). In "Symposium Series No. 851/Food Factors in Health Promotion and Disease Prevention"	共	2003年	Eds. by Fereidoon Shahidi, Chi-Tang Ho, Shaw Watanabe, Toshihiko Osawa, American Chemical Society	Takashi Hashimoto, Wakana Ito, Takashi Furuyashiki, Takashi Sano, Ken-ichiro Minato, Masashi Mizuno, Kazuki Kanazawa, Gen-ichi Danno, **Hitoshi Ashida**. Pages: 128-140.
27. Green tea extracts prevent the dioxin toxicity through the suppression of transformation of the aryl hydrocarbon receptor (Chapter 11). In "Symposium Series No. 851/Food Factors in Health Promotion and Disease Prevention"	共	2003年	Eds. by Fereidoon Shahidi, Chi-Tang Ho, Shaw Watanabe, Toshihiko Osawa, American Chemical Society	Itsuko Fukuda, Atsushi Kaneko, Yoshiyuki Yabushita, Iwao Sakane, Takami Kakuda, Kazuki Kanazawa, Gen-ichi Danno, **Hitoshi Ashida**. Pages: 119-127.
28. 3.1. 食品の化学・生化学, e. 内分泌攪乱物質と生体応答,「農芸化学の事典」	共	2003年	鈴木昭憲、荒井綜一編. 朝倉書店	**芦田均**, 金沢和樹. 鈴木昭憲、荒井綜一編　朝倉書店, ページ：367-370.
29. 環境ホルモンの科学(第12章),「食と健康―情報のウラを読む―」.	単	2002年	村上明, 森光康次郎編　丸善(株)	**芦田均**. ページ：257-283.
30. Heterocyclic amines induce apoptosis in hepatocytes (Chapter 10). In "Symposium Series	共	1998年	Eds. by Toshihiko Osawa, Shibamoto, Junji Terao, American Chemical Society	**Hitoshi Ashida**, Hideya Adachi, Kazuki Kanazawa, Gen-ichi Danno. Pages: 88-100.

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著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
1 著書				
No. 702/ Functional Foods for Disease Prevention II: Medical Plants and Other Foods”				
31. Antimutagenic mechanism of flavonoids against a food-deArived carcinogen, Trp-P-2, elucidated with the structure-activity relationships (Chapter 8). In “Symposium Series No. 702/ Functional Foods for Disease Prevention II: Medical Plants and Other Foods”	共	1998年	Eds. by Toshihiko Osawa, Shibamoto, Junji Terao, American Chemical Society	Kazuki Kanazawa, **Hitoshi Ashida**, Gen-ichi Danno. Pages 67-82.
32. Effect of 9-oxononanoic acid on arachidonate cascade. In “Oxygen Radicals”	共	1992年	Eds. by Kunio Yagi, Motoharu Kondo, Etsuo Niki, Toshikazu Yoshikawa, Elsevier Science Publishers B.V.	Kazuki Kanazawa, **Hitoshi Ashida**. Pages: 297-300.
33. Endogenous lipid peroxidation causes specific inactivation of hepatic phosphoglucomutase. In “Medical, Biochemical and Chemical Aspects of Free Radicals”	共	1989年	Eds. by Osamu Hayaishi, Etsuo Niki, Motoharu Kondo, and Toshikazu Yoshikawa, Elsevier Science Publishers B.V.	Kazuki Kanazawa, **Hitoshi Ashida**, Nobuyuki Inoue, Masato Natake. Pages: 963-966.
2 学位論文				
1. Nutritional studies on the toxicity of secondary autoxidation products of linoleic acid orally administered to rat	単	1988年		**Hitoshi Ashida**.
3 学術論文				
1. A natural chalcone cardamonin inhibited transformation of aryl hydrocarbon receptor through	共	2024年	*Molecular Nutrition & Food Research*, e2400185.	Tianshun Zhang, Chao He, Shieru Ota, Tomoya Kitakaze, Ryoichi Yamaji, Sayuri Shimazu, Yoko Yamashita, and **Hitoshi Ashida**.

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3 学術論文				
binding to the receptor competitively. （査読付き）				
2.Dietary flaxseed oil suppresses hyperglycemia and insulin resistance through increasing in α-linolenic acid content in the muscle. （査読付き）	共	2024年	*Journal of Clinical Biochemistry and Nutrition*, 75, 133-144.	Midori Seike, Yasuko Makino, Yoko Yamashita, **Hitoshi Ashida**.
3.Dietary flaxseed oil induces production of adiponectin in visceral fat and prevents obesity in mice. （査読付き）	共	2024年	*Nutrition Research*, 121, 16-27.	Midori Seike, **Hitoshi Ashida**, Yoko Yamashita.
4.Black soybean seed coat polyphenols have different effects on glucose and lipid metabolism in growing and young adult mice. （査読付き）	共	2024年	*Food & Function*, 15, 1004-1020.	Toshiki Nishijima, Yoko Yamashita, **Hitoshi Ashida**.
5.Black soybean seed coat extract improves endothelial function and oxidative stress markers in healthy human volunteers by stimulating production of nitric oxide in endothelial cells. （査読付き）	共	2024年	*Journal of Medicinal Food*, 27, 134-144.	Ryota Akagi, Fumio Nanba, Shizuka Saito, Toshinari Maruo, Toshiya Toda, Yoko Yamashita, **Hitoshi Ashida**, Toshio Suzuki.
6.Single oral administration of quercetin glycosides prevented acute hyperglycemia by promoting GLUT4 translocation in skeletal muscles through the activation of AMPK in mice. （査読付き）	共	2024年	*Journal of Clinical Biochemistry and Nutrition*, 74, 37-46.	Yoko Yamashita, Hao Jiang, Fukiko Okada, Tomoya Kitakaze, Yasukiyo Yoshioka, **Hitoshi Ashida**.
7.Two prenylated chalcones, 4-	共	2024年	*Molecular Nutrition & Food*	Kevin Odongo, Ayane Abe, Rina Kawasaki, Kyuichi Kawabata, **Hitoshi Ashida**.

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
3 学術論文				
hydroxyderricin and xanthoangelol prevent postprandial hyperglycemia by promoting GLUT4 translocation via the LKB1/AMPK signaling pathway in skeletal muscle cells. （査読付き）			*Research*, e2300538.	
8. Polyphenol content and antioxidant capacity in two black soybean varieties with different cultivation years. （査読付き）	共	2024年	*Food Science and Technology Research*, 30, 367-376.	Li Wei-Jing, Odongo Kevin, Yoko Yamashita, **Hitoshi Ashida**.
9. Neung Teaumroong, Ken-ichi Yoshida. Bacillus velezensis S141, a soybean growth-promoting bacterium, hydrolyzes isoflavone glycosides into aglycones. （査読付き）	共	2023年	*The Journal of General and Applied Microbiology*, 69, 175-183.	Takahiko Kondo, Surachat Sibponkrung, Ken-yu Hironao, Panlada Tittabutr, Nantakorn Boonkerd, Shu Ishikawa,**Hitoshi Ashida** .
10. Development of sandwich ELISAs for detecting glucagon-like peptide-1 secretion from intestinal L-cells and their application in STC-1 cells and mice. （査読付）	共	2023年	*Journal of Clinical Biochemistry and Nutrition, 72, 28-38.*	Kevin Odongo, Ken-yu Hironao, Yoko Yamashita, **Hitoshi Ashida** .
11. Aged Garlic Extract Prevents Alcohol-Induced Cytotoxicity through Induction of Aldehyde Dehydrogenase 2 in the Liver of Mice. （査読付）	共	2023年	*Molecular Nutrition & Food Research, 67, e2200627.*	Tomoya Kitakaze, Masako Inoue, **Hitoshi Ashida** .
12. Mung bean peptides promote glucose uptake via Jak2 activation in L6 myotubes. （査読付）	共	2023年	*Food & Function*, 14, 5375.	Yasukiyo Yoshioka, Qing Zhang, Xin Wang, Tomoya Kitakaze, Yoko Yamashita, Mitsutaka Kohno, **Hitoshi Ashida**.
13. Preventive effects of black soybean	共	2022年	*Food & Function, 13, 1000-1014.*	Mio Yamamoto, Yasukiyo Yoshioka, Tomoya Kitakaze, Yoko Yamashita, **Hitoshi Ashida**.

研究業績等に関する事項				
著書、学術論文等の名称	単著・共著書別	発行又は発表の年月	発行所、発表雑誌等又は学会等の名称	概要
3 学術論文				
polyphenols on non-alcoholic fatty liver disease in three different mouse models.（査読付）				
14. Pectolinarigenin Induces Antioxidant Enzymes through Nrf2/ARE Pathway in HepG2 Cells.（査読付）	共	2022年	*Antioxidants, 11, 675.*	Mariko Shiraiwa, Tomoya Kitakaze, Yoko Yamashita, Yuichi Ukawa, Katsuyuki Mukai, **Hitoshi Ashida**.
15. Phenylpropanoids and neolignans isolated from Myristica fragrans enhance glucose uptake in myotubes.（査読付）	共	2022年	*Food & Function, 13, 3879-3893.*	Yasukiyo Yoshioka, Ryunoshin Kono, Masaki Kuse, Yoko Yamashita, **Hitoshi Ashida**.
16. Vitamin E functions by association with a novel binding site on the 67 kDa laminin receptor activating diacylglycerol kinase.（査読付）	共	2022年	*Journal of Nutritional Biochemistry, 110, 109129.*	Daiki Hayashi, Varnavas D. Mouchlis, Seika Okamoto, Liuqing Wang, Sheng Li, Shuji Ueda, Minoru Yamanoue, Hirofumi Tachibana, Hiroyuki Arai, **Hitoshi Ashida**, Edward A. Dennis, Yasuhito Shirai.
17. Black soybean seed coat polyphenol ameliorates the abnormal feeding pattern induced by high-fat diet consumption.（査読付）	共	2022年	*Frontiers in Nutrition, 9, 1006132.*	Ken-yu Hironao, **Hitoshi Ashida**, Yoko Yamashita.
18. 5Aminolevulinic acid combined with ferrous iron improves glucose tolerance in high fat dietfed mice via upregulation of glucose transporter 1.（査読付）	共	2021年	*Experimental and Therapeutic Medicine, 22, 1454.*	Yasushi Kuroda, Atsuko Kamiya, Takuya Ishi, Masahiro Ishizuka, Yoko Yamashita, **Hitoshi Ashida**.
19. Theobromine enhances the conversion of white adipocytes into beige adipocytes in a PPARγ activation-dependent manner.（査読付）	共	2021年	*Journal Nutritional Biochemistry, 100, 108898.*	Emi Tanaka, Takakazu Mitani, Momona Nakashima, Eito Yonemoto, Hiroshi Fujii, **Hitoshi Ashida**.
20. Extracellular transglutaminase 2	共	2020年	*Biochim Biophys Acta Molecular*	Tomoya Kitakaze, Miki Yoshikawa, Yasuyuki Kobayashi, Naohiro Kimura, Naoki Goshima, Takahiro Ishikawa, Yoshiyuki Ogata,

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induces myotube hypertrophy through G protein-coupled receptor 56.（査読付）			*Cell Research*. 1867, 118563.	Yoko Yamashita, **Hitoshi Ashida**, Naoki Harada, Ryoichi Yamaji.
21. Low dose of luteolin activates Nrf2 in the liver of mice at start of the active phase but not that of the inactive phase.（査読付）	共	2020年	*PLoS ONE*, 15, e0231403.	Tomoya Kitakaze, Atsushi Makiyama, Yoko Yamashita, **Hitoshi Ashida**.
22. Prevention effect of quercetin and its glycosides on obesity and hyperglycemia through activating AMPKα in high-fat diet-fed ICR mice.（査読付）	共	2020年	*Journal of Clinical Biochemistry and Nutrition*, 67, 74-83.	Hao Jiang, Yuko Horiuchi, Ken-yu Hironao, Tomoya Kitakaze, Yoko Yamashita, **Hitoshi Ashida**.
23. Enzymatically synthesized glycogen inhibited degranulation and inflammatory responses through stimulation of intestine.（査読付）	共	2020年	*Journal of Clinical Biochemistry and Nutrition*, 67, 67-73.	Yasukiyo Yoshioka, Masako Inoue, Hiroko Yoshioka, Tomoya Kitakaze, Takashi Furuyashiki, Naoki Abe, **Hitoshi Ashida**.
24. The cacao procyanidin extract-caused anti-hyperglycemic effect was changed by the administration timings.（査読付）	共	2020年	*Journal of Clinical Biochemistry and Nutrition*, 67, 61-66.	Ken-yu Hironao, **Hitoshi Ashida**, Yoko Yamashita,.
25. Cacao polyphenols regulate the circadian clock gene expression and through glucagon-like peptide-1 secretion.（査読付）	共	2020年	*Journal of Clinical Biochemistry and Nutrition*, 67, 53-60.	Ken-yu Hironao, Yuji Mitsuhashi, Shujiao Huang, Hideaki Oike, **Hitoshi Ashida**, Yoko Yamashita.
26. Bisacurone suppresses hepatic lipid accumulation through inhibiting lipogenesis and promoting lipolysis.（査読付）	共	2020年	*Journal of Clinical Biochemistry and Nutrition*, 67, 43-52.	**Hitoshi Ashida**, Xiaokuo Tian, Tomoya Kitakaze, Yoko Yamashita.
27. Enzymatically synthesized	共	2020年	*Journal of Clinical*	Yasukiyo Yoshioka, Tomoya Kitakaze, Takakazu Mitani, Takashi Furuyashiki, **Hitoshi Ashida**.

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glycogen prevents ultraviolet B-induced cell damage in normal human epidermal keratinocytes.（査読付）			*Biochemistry and Nutrition*, 67, 36-42.	
28. Enzymatically synthesized glycogen protects inflammation induced by urban particulate matter in normal human epidermal keratinocytes.（査読付）	共	2020年	*Journal of Clinical Biochemistry and Nutrition, 67, 29-35.*	Tomoya Kitakaze, Yasukiyo Yoshioka, Takashi Furuyashiki, **Hitoshi Ashida**.
29. Kaempferol promotes glucose uptake in myotubes through a JAK2-Dependent Pathway.（査読付）	共	2020年	*Journal of Agricultural and Food Chemistry*, 68, 13720-13729.	Tomoya Kitakaze, Hao Jiang, Takuya Nomura, Ken-Yu Hironao, Yoko Yamashita, **Hitoshi Ashida**.
30. The mechanisms of ameliorating effect of a green tea polyphenol on diabetic nephropathy based on diacylglycerol kinase α.（査読付）	共	2020年	*Scientific Reports, 10, 11790.*	Daiki Hayashi, Liuqing Wang, Shuji Ueda, Minoru Yamanoue, **Hitoshi Ashida**, Yasuhito Shirai.
31. Daily consumption of black soybean (Glycine max L.) seed coat polyphenols attenuates dyslipidemia in apolipoprotein E-deficient mice.（査読付）	共	2020年	*Journal of Functional Foods, 72, 104054.*	Wataru Tanaka, Hiroki Matsuyama, Daigo Yokoyama, Yoko Yamashita, **Hitoshi Ashida**, Masanobu Sakono, Hiroyuki Sakakibara,
32. Kaempferol modulates TCDD- and t-BHQ-induced drug-metabolizing enzymes and luteolin enhances this effect.（査読付）	共	2020年	*Food & Function*, 11, 3668-3680.	Tomoya Kitakaze, Atsushi Makiyama, Rika Nakai, Yuki Kimura, **Hitoshi Ashida**.
33. 4-Hydroxyderricin and xanthoangelol isolated from Angelica keiskei prevent dexamethasoneinduced muscle loss.（査読付）	共	2020年	*Food & Function, 11, 5498-5512.*	Yasukiyo Yoshioka, Yumi Samukawa, Yoko, Yamashita, **Hitoshi Ashida**,
34. Black soybean	共	2020年	*Functional Foods*	Chiaki Domae, **Hitoshi Ashida**, Yoko Yamashita.

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seed coat polyphenols promote nitric oxide production in the aorta through the Akt/eNOS pathway. (査読付)			*in Health and Disease, 10, 330-343.*	
35. 6-(Methylsulfinyl) hexyl isothiocyanate protects acetaldehyde-caused cytotoxicity through the induction of aldehyde dehydrogenase in hepatocytes. (査読付)	共	2020年	*Archives of Biochemistry and Biophysics, 686, 108329.*	Tomoya Kitakaze, Sihao Yuan, Masako Inoue, Yasukiyo Yoshioka, Yoko Yamashita, **Hitoshi Ashida**,
36. Black soybean improves the vascular function through an increase in nitric oxide and a decrease in oxidative stress in healthy women. (査読付)	共	2020年	*Archives of Biochemistry and Biophysics, 688, 108408.*	Yoko Yamashita, Liuqing Wang, Asuka, Nakamura, Fumio Nanba, Shizuka, Saito, Toshiya Toda, Junichi Nakagawa, **Hitoshi Ashida**,
37. Black soybean improves vascular function and blood pressure: A randomized, placebo controlled, crossover trial in Humans. (査読付)	共	2020年	*Nutrients*, 12, 2755.	Yoko Yamashita, Asuka Nakamura, Fumio Nanba, Shizuka Saito, Toshiya Toda, Junichi Nakagawa, **Hitoshi Ashida**,
38. Liquorice flavonoid oil suppresses hyperglycaemia accompanied by skeletal muscle myocellular GLUT4 recruitment to the plasma membrane in KK-Ay mice. (査読付)	共	2019年	*International Journal of Food Sciences and Nutrition*, 70, 294-302.	Yoko Yamashita, Hideyuki Kishida, Kaku Nakagawa, Yasukiyo Yoshioka, **Hitoshi Ashida**.
39. Effects of microbial metabolites of (-)-epigallocatechin gallate on glucose uptake in L6 skeletal muscle cell and glucose	共	2019年	*Biological and Pharmaceutical Bulletin*, 42, 212-221.	Akiko Takagaki, Yasukiyo Yoshioka, Yoko Yamashita, Tomoya Nagano, Masaki Ikeda, Aya Hara-Terawaki, Ryota Seto, **Hitoshi Ashida**.

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tolerance in ICR mice. (査読付)				
40. Isolation and identification of compounds with dioxin-induced AhR transformation inhibitory activity from the leaves of Mallotus japonicus (Thunb.) Muell. Arg. (査読付)	共	2019年	*Journal of Medicinal Plants Research*, 13, 167-172.	Keizo Hosokawa, Atsuyuki Hishida, Shin Nishiumi, Eri Fukushi, Jun Kawabata, **Hitoshi Ashida**.
41. Quercetin and its metabolite isorhamnetin promote glucose uptake through different signalling pathways in myotubes. (査読付)	共	2019年	*Scientific Reports*, 9, 2690.	Hao Jiang, Yoko Yamashita, Asuka Nakamura, Kevin Croft, **Hitoshi Ashida**.
42. Cacao liquor procyanidins prevent postprandial hyperglycaemia by increasing glucagon-like peptide-1 activity and AMP-activated protein kinase in mice. (査読付)	共	2019年	*Journal of Nutritional Science*, 8, e2, 2019.	Yoko Yamashita, Masaaki Okabe, Midori Natsume, **Hitoshi Ashida**.
43. A physiological concentration of luteolin induces phase II drug-metabolizing enzymes through the ERK1/2 signaling pathway in HepG2 cells. (査読付)	共	2019年	*Archives of Biochemistry and Biophysics*, 663, 151-159.	Tomoya Kitakaze, Atsushi Makiyama, Yumi Samukawa, Songyan Jiang, Yoko Yamashita, **Hitoshi Ashida**.
44. Glabridin inhibits dexamethasone-induced muscle atrophy. (査読付)	共	2019年	*Archives of Biochemistry and Biophysics*, 664, 157-166.	Yasukiyo Yoshioka, Yusuke Kubota, Yumi Samukawa, Yoko Yamashita, **Hitoshi Ashida**.
45. Green tea ameliorates hyperglycemia by promoting the translocation of glucose transporter 4 in the skeletal muscle of diabetic rodents. (査読付)	共	2019年	*International Journal of Molecular Sciences*, 20, 2436.	Manabu Ueda-Wakagi, Hironobu Nagayasu, Yoko Yamashita, **Hitoshi Ashida**.
46. Enzymatically modified	共	2019年	*Food & Function*, 10, 5188-5202.	Hao Jiang, Yasukiyo Yoshioka, Sihao Yuan, Yuko Horiuti, Yoko Yamashita, Kevin Croft, **Hitoshi Ashida**.

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isoquercitrin promotes energy metabolism through activating AMPKα in male C57BL/6 mice.（査読付）				
47. Characterization of an organic-solvent-stable elastase from Pseudomonas indica and its potential use in eggshell membrane hydrolysis.（査読付）	共	2019年	*Process Biochemistry*, 85, 156-163.	Shinji Takenaka, Moe Yokoyama, Yukihiro Kimura, Yoko Yamashita, **Hitoshi Ashida**.
48. The effects of fertilization treatments and cropping systems on long-term dynamics and spectroscopic characteristics of dissolved organic matter in paddy soil.（査読付）	共	2019年	*Soil Science and Plant Nutrition*, 65, 557-565.	Huiqiao Wu, Morimaru Kida, Akiko Domoto, Masayuki Hara, **Hitoshi Ashida**, Takeshi Suzuki, Nobuhide Fujitake.
49. Black soybean seed coat polyphenols promote nitric oxide production in the aorta through glucagon-like peptide-1 secretion from the intestinal cells.（査読付）	共	2019年	*Food & Function*, 10, 7875-7882.	Chiaki Domae, Fumio Namba, Toshinari Maruo, Toshio Suzuki, **Hitoshi Ashida**, Yoko Yamashita.
50. Effects of enzymatically synthesized glycogen on lipid metabolism in diet induced obese mice.（査読付）	共	2018年	*Food Science and Technology Research*, 24, 119-127.	Takashi Furuyashiki, Rui Ogawa, Yoko Nakayama, Kazuhisa Honda, Hiroshi Kamisoyama, Hiroki Takata, Michiko Yasuda, Takashi Kuriki, **Hitoshi Ashida.**
51. Screening plant derived dietary phenolic compounds for bioactivity related to cardiovascular disease.（査読付）	共	2018年	*Fitoterapia*, 82, 22-28.	Kevin D. Croft, Yoko Yamashita, Helen O'Donoghue, Daishi Shirasaya, Natalie Ward, ***Hitoshi Ashida.***
52. Curcumin and its derivatives inhibit 2,3,7,8-tetrachloro-dibenzo-p-dioxin-induced expression of drug metabolizing	共	2018年	*Bioscience Biotechnology and Biochemistry*, 82, 616-628.	Rika Nakai, Shun Fukuda, Masaya Kawase, Yoko Yamashita, **Hitoshi Ashida**.

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enzymes through aryl hydrocarbon receptor-mediated pathway.（査読付）				
53. Licorice flavonoid oil enhances muscle mass in KK-Ay mice.（査読付）	共	2018年	*Life Sciences*, 205, 91-96.	Yasukiyo Yoshioka, Yoko Yamashita, Hiroyuki Kishida, Kaku Nakagawa, **Hitoshi Ashida**.
54. Theophylline suppresses interleukin-6 expression by inhibiting glucocorticoid receptor signaling in pre-adipocytes.（査読付）	共	2018年	*Archives of Biochemistry and Biophysics*, 646, 98-106.	Takakazu Mitani, Tomohide Takaya, Naoki Harada, Shigeru Katayama, Ryoichi Yamaji, Soichiro Nakamura, **Hitoshi Ashida**.
55. Epigallocatechin gallate induces GLUT4 translocation in skeletal muscle through both PI3K- and AMPK-dependent pathways.（査読付）	共	2018年	*Food & Function*, 9, 4223-4233.	Manabu Ueda-Wakagi, Kaori Hayashibara, Tomoya Nagano, Masaki Ikeda, Sihao Yuan, Shuji Ueda, Yasuhito Shirai, Ken-ichi Yoshida, **Hitoshi Ashida**.
56. Absorption, metabolism, distribution and faecal excretion of B-type procyanidin oligomers in mice after a single oral administration of black soybean seed coat extract.（査読付）	共	2018年	*Food & Function*, 9, 5362-5370.	Liuqing Wang, Yoko Yamashita, Shingo Komeda, Akiko Saito, **Hitoshi Ashida**.
57. Lycii fructus extract ameliorates hydrogen peroxide-induced cytotoxicity through indirect antioxidant action.（査読付）	共	2018年	*Bioscience Biotechnology and Biochemistry*, 82, 1812-1820.	Wensi Xu, Shunya Saiki, Takumi Myojin, Yujia Liu, Beiwei Zhu, Yoshiyuki Murata, **Hitoshi Ashida**, Makoto Tsunenaga, Yoshimasa Nakamura.
58. The Ashitaba (Angelica keiskei) Chalcones 4-hydroxyderricin and Xanthoangelol Suppress Melanomagenesis By Targeting BRAF and PI3K.（査読	共	2018年	*Cancer Prev Res*, 11, 607-620.	Tianshun Zhang, Qiushi Wang, Mangaladoss Fredimoses, Ge Gao, Keke Wang, Hanyong Chen, Ting Wang, Naomi Oi, Tatyana A. Zykova, Kanamata Reddy, Ke Yao, Weiya Ma, Xiaoyu Chang, Mee-Hyun Lee, Moeez Ghani Rathore, Ann M. Bode, **Hitoshi Ashida**, Scott M. Lippman and Zigang Dong Z,

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59. Piperine promotes glucose uptake through ROS-dependent activation of the CAMKK/AMPK signaling pathway in skeletal muscle. (査読付)	共	2018年	*Molecular Nutrition and Food Research*, 62, 1800086.	Ayumi Maeda, Takeshi Shirao, Daishi Shirasaya, Yasukiyo Yoshioka, Yoko Yamashita, Mitsugu Akagawa, **Hitoshi Ashida**.
60. Methylxanthine derivative-rich cacao extract suppresses differentiation of adipocytes through downregulation of PPARγ and C/EBPs. (査読付)	共	2018年	*Journal of Nutritional Science and Vitaminology (Tokyo)*, 64, 151-160.	Yoko Yamashita, Takakazu Mitani, Liuqing Wang, **Hitoshi Ashida**.
61. Characterization of an angiotensin I-converting enzyme inhibitor substance in tomato juice. (査読付)	共	2018年	*Journal of Life Science Research*, 16, 1-7.	Momoko Imai, Hiroshi Inui, **Hitoshi Ashida**, Kimio Nishimura, Takahiro Inakuma, Nobuhide Fujitake.
62. Black soybean seed coat polyphenols prevent AAPH-induced oxidative DNA-damage in HepG2 cells. (査読付)	共	2017年	*Journal of Clinical Biochemistry and Nutrition*, 60, 108-114.	Yasukiyo Yoshioka, Xiu Li, Tianshun Zhang, Takakazu Mitani, Michiko Yasuda, Fumio Nanba, Toshiya Toda, Yoko Yamashita, **Hitoshi Ashida**.
63. Adenosine isolated from Grifola gargal promotes glucose uptake via PI3K and AMPK signaling pathways in skeletal muscle cells. (査読付)	共	2017年	*Journal of Functional Foods*, 33, 268-277.	Yasukiyo Yoshioka, Etsuko Harada, Danyao Ge, Toshihiro Morizono, Kunio Imai, Hirotaka Katsuzaki, Takashi Mishima, Esteban C. Gabazza, **Hitoshi Ashida**.
64. Enzymatically synthesized glycogen inhibits colitis through decreasing oxidative stress. (査読付)	共	2017年	*Free Radical Biology and Medicine*, 106, 355-367.	Takakazu Mitani, Yasukiyo Yoshioka, Takashi Furuyashiki, Yoko Yamashita, **Hitoshi Ashida**.
65. Substitution at the C-3 position of catechins has an influence on the binding affinities against serum albumin. (査読付)	共	2017年	*Molecules*, 22, 314.	Masaki Ikeda, Manabu Ueda-Wakagi, Kaori Hayashibara, Rei Kitano, Masaya Kawase, Kunihiro Kaihatsu, Nobuo Kato, Yoshitomo Suhara, Naomi Osakabe, **Hitoshi Ashida**.
66. An analysis method	共	2017年	*Journal of Food*	Liuqing Wang, Yoko Yamashita, Akiko Saito, **Hitoshi Ashida**.

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for flavan-3-ols using high performance liquid chromatography coupled with a fluorescence detector.（査読付）			*and Drug Analysis*, 25, 478-487.	
67. The interaction of auraptene and other oxyprenylated phenylpropanoids with glucose transporter type 4.（査読付）	共	2017年	*Phytomedicine*, 32, 74-79.	Salvatore Genovese, **Hitoshi Ashida**, Yoko Yamashita, Tomoya Nagano, Masaki Ikeda, Daishi Shirasaya, Francesco Epifano, Vito Alessandro Taddeoa, Serena Fiorito.
68. Caffeine-stimulated intestinal epithelial cells suppress lipid accumulation in adipocytes.（査読付）	共	2017年	*Journal Nutritional Science and Vitaminology*, 63, 331-338.	Takakazu Mitani, Tomoya Nagano, Kiyonari Harada, Yoko Yamashita, **Hitoshi Ashida**.
69. Flavan 3-ol delays the progression of disuse atrophy induced by hindlim suspension in mice.（査読付）	共	2017年	*Experimental Gerontology*, 98, 120-123.	Mao Ito, Naoto Kudo, Yuji Miyake, Tatsuya Imai, Tomoki Unno, Yoko Yamashita, Yoshihisa Hirota, **Hitoshi Ashida**, Naomi Osakabe.
70. Theobromine suppresses adipogenesis through enhancement of C/EBPβ degradation by adenosine receptor A1.（査読付）	共	2017年	*Biochimica et Biophysica Acta: Molecular Cell Research*, 1864, 2438-2448.	Takakazu Mitani, Shun Watanabe, Yasukiyo Yoshioka, Shigeru Katayama, Soichiro Nakamura, **Hitoshi Ashida**.
71. Rapid Preparation of a Plasma Membrane Fraction: Western Blot Detection of Translocated Glucose Transporter 4 from Plasma Membrane of Muscle and Adipose Cells and Tissues.（査読付）	共	2016年	*Current Protocols in Protein Science*, 85, 29.18.1-29.18.12.	Norio Yamamoto, Yoko Yamashita, Yasukiyo Yoshioka, Shin Nishiumi, **Hitoshi Ashida**.
72. Glycogen distribution in the microwave-fixed mouse brain reveals heterogeneous astrocytic patterns.（査読付）	共	2016年	*Glia*, 64, 1532-1545.	Yuki Oe, Otto Baba, **Hitoshi Ashida**, Kouichi C. Nakamura, Hajime Hirase.

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73. Vialinin A and thelephantin G, potent inhibitors of tumor necrosis factor-α production, inhibit sentrin/SUMO-specic protease 1 enzymatic activity. (査読付)	共	2016年	*Bioorganic & Medicinal Chemistry Letters*, 26, 4237-4240.	Yasukiyo Yoshioka, Daisuke Namiki, Mao Makiuchi, Kouichi Sugaya, Jun-ichi Onose, **Hitoshi Ashida**, Naoki Abe.
74. Procyanidin promotes translocation of glucose transporter 4 in muscle of mice through activation of insulin and AMPK signaling pathways. (査読付)	共	2016年	*PLoS ONE*, 11, e0161704.	Yoko Yamashita, Liuqing Wang, Fumio Nanba, Chiaki Ito, Toshiya Toda, **Hitoshi Ashida**.
75. 3,4-Dihydroxyphenylacetic acid is a predominant biologically-active catabolite of quercetin glycosides. (査読付)	共	2016年	*Food Research International*, 89, 716-723.	”63. Yue Tang, Sayaka Nakashima, Shunya Saiki, Yui Myoi, Naomi Abe, Shoko Kuwazuru, Beiwei Zhu, **Hitoshi Ashida**, Yoshiyuki Murata, Yoshimasa Nakamura. ”
76. 3-O-Acyl-epicatechins increase glucose uptake activity and GLUT4 translocation through activation of PI3K signaling in skeletal muscle cells. (査読付)	共	2015年	*International Journal of Molecular Science*, 16, 16288-16299, 2015.	Manabu Ueda-Wakagi, Rie Mukai, Naoya Fuse, Yoshiyuki Mizushina, **Hitoshi Ashida**.
77. Black tea polyphenols promote GLUT4 translocation through both PI3K- and AMPK-dependent pathways in skeletal muscle cells. (査読付)	共	2015年	*Food Science and Technology Research*, 21, 489-494.	Tomoya Nagano, Kaori Hayashibara, Manabu Ueda-Wakagi, Yoko Yamashita, **Hitoshi Ashida**.
78. Autophagic degradation of the androgen receptor mediated by increased phosphorylation of p62 suppresses apoptosis in	共	2015年	*Cellular Signalling*, 27, 1994-2001.	Takakazu Mitani, Masato Minami, Naoki Harada, **Hitoshi Ashida**, Ryoichi Yamaji.

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hypoxia.（査読付）				
79. Luteolin suppresses TCDD-induced wasting syndrome in a cultured adipocyte model.（査読付）	共	2015年	*Pesticide Biochemistry and Physiology*, 120, 14-20.	**Hitoshi Ashida**, Kiyonari Harada, Sakiho Mishima, Takakazu Mitani, Yoko Yamashita, Fumio Matsumura.
80. Epigallocatechin-3-gallate activates diacylglycerol kinase alpha via a 67 kDa laminin receptor: A possibility of galloylated catechins as functional food to prevent and/or improve diabetic renal dysfunctions.（査読付）	共	2015年	*Journal of Functional Foods*, 15, 561-569.	Daiki Hayashi, Shuji Ueda, Minoru Yamanoue, Naoaki Saito, **Hitoshi Ashida**, Yasuhito Shirai.
81. β-Conglycinin peptides improve glucose uptake through the AMPK signaling pathway in L6 myotubes.（査読付）	共	2015年	*Food Science and Technology Research*, 21, 727-732.	Yoko Yamashita, Manabu Ueda-Wakagi, Mai Sakamoto, Nobuhiko Tachibana, Satoshi Wanezaki, Mitsutaka Kohno, **Hitoshi Ashida**.
82. Point mutation of cytochrome P450 2A6 (a polymorphic allele CYP2A6.25) confers new substrate specificity towards flavonoids.（査読付）	共	2015年	*Biopharmaceutics & Drug Disposition*, 36, 552-563.	Tomohide Uno, Chika Ogura, Chiho Izumi, Masahiko Nakamura, Takeshi Yanase, Hiroshi Yamazaki, **Hitoshi Ashida**, Kengo Kanamaru, Hirohi Yamagata, Hiromasa Imaishi.
83. Catechins in tea suppress the expression and activity of cytochrome P450 lA1 through the aryl hydrocarbon receptor activation pathway in rat livers.（査読付）	共	2015年	*International Journal of Food Sciences and Nutrition*, 66, 300-307.	Itsuko Fukuda, Shin Nishiumi, Rie Mukai, Ken-ichi Yoshida, **Hitoshi Ashida**.
84. Ashitaba (Angelica keiskei) extract prevent adiposity in high-fat diet-fed C57BL/6 mice.（査読付）	共	2015年	*Food & Function*, 6, 135-145.	Tianshun Zhang, Yoko Yamashita, Michiko Yasuda, Norio Yamamoto, **Hitoshi Ashida**.
85. Measurement of glucose uptake in	共	2015年	*Current Protocols in*	Norio Yamamoto, Manabu Ueda-Wakagi, Takuya Sato, Kengo Kawasaki, Keisuke Sawada, Kyuichi Kawabata, Mitsugu Akagawa,

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cultured cells. (査読付)			*Pharmacology*, 71, 12.14.1-12.14.26.	**Hitoshi Ashida**.
86. Effects of luteolin on TCDD- and tert-butylhydroquinone-induced drug-metabolizing enzynes and nuclear factor-erythroid-2-related factor 2. (査読付)	共	2014年	*Organohalogen Compounds*, 76, 317-320.	**Hitoshi Ashida**, Tianshun Zhang, Yuki Kimura, Songyan Jiang, Kiyonari Harada, Yoko Yamashita.
87. Protective effects of oral administration of yeast thioredoxin against gastric mucosal injury. (査読付)	共	2014年	*Bioscience, Biotechnology, and Biochemistry*, 78, 1221-1230.	Yukiko Taketani, Kimihiro Kinugasa, Rie Kitajima, Shin Nishiumi, **Hitoshi Ashida**, Hajime Nakamura, Tuyosi Fujita, Ken Kanzaki, Hiroshi Masutani, Junji Yodoi.
88. Application of lipid extracts from Solidago canadensis to phytomonitoring of PCB126 in transgenic Arabidopsis plants. (査読付)	共	2014年	*Science of the Total Environment*, 491-492, 240-245.	Sayuri Shimazu, Masaya Ohta, **Hitoshi Ashida**.
89. Rutin potentiates insulin receptor kinase to enhance insulin-dependent glucose transporter 4 translocation. (査読付)	共	2014年	*Molecular Nutrition & Food Research*, 58, 1168-1176.	Chia-Yu Hsu, Hung-Yuan Shih, Yi-Chen Chia, Chia-Hung Lee, **Hitoshi Ashida**, Yiu-Kay Lai, Ching-Feng Weng.
90. Resveratrol reduces the hypoxia-induced resistance to doxorubicin in breast cancer cells. (査読付)	共	2014年	*Journal of Nutritional Science and Vitaminology*, 60, 122-128.	Takakazu Mitani, Yuta Ito, Naoki Harada, Yoshihisa Nakano, Hiroshi Inui, **Hitoshi Ashida**, Ryoichi Yamaji.
91. Inhibitory effects of 4-hydroxyderricin and xanthoangelol on lipopolysaccharide-induced inflammatory responses in RAW264 macrophages. (査読付)	共	2014年	*Journal of Agricultural and Food Chemistry*, 62, 462-467.	Michiko Yasuda, Kyuichi Kawabata, Miki Miyashita, Mayu Okumura, Norio Yamamoto, Masakazu Takahashi, **Hitoshi Ashida**, Hajime Ohigashi.
92. Soy β-conglycinin improves glucose	共	2014年	*Nutrition Research*, 34,	Nobuhiko Tachibana, Yoko Yamashita, Mayuko Nagata, Satoshi Wanezaki, **Hitoshi Ashida**, Fumihiko Horio, Mitsutaka Kohno.

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uptake in skeletal muscle and ameliorates hepatic insulin resistance in Goto-Kakizaki rats. (査読付)			160-167.	
93. Oolong, black and pu-erh tea suppresses adiposity in mice via activation of AMP-activated protein kinase. (査読付)	共	2014年	*Food & Functions*, 5, 2420-2429.	Yoko Yamashita, Liuqing Wang, Lihua Wang, Yuki Tanaka, Tianshun Zhang, **Hitoshi Ashida**.
94. Chalcones suppress fatty acids-induced lipid accumulation through a LKB1/AMPK signaling pathway in HepG2 cells. (査読付)	共	2014年	*Food & Functions*, 5, 1134-1141.	Tianshun Zhang, Norio Yamamoto, **Hitoshi Ashida**.
95. Glabridin induces glucose uptake via the AMP-activated protein kinase pathway in muscle cells. (査読付)	共	2014年	*Molecular and Cellular Endocrinology*, 393, 99-108.	Keisuke Sawada, Yoko Yamashita, Tianshun Zhang, Kaku Nakagawa, **Hitoshi Ashida**.
96. Luteolin modulates expression of drug-metabolizing enzymes through the AhR and Nrf2 pathways in hepatic cells. (査読付)	共	2014年	*Archives Biochemistry and Biophysics*. 557, 36-46.	Tianshun Zhang, Yuki Kimura, Songyan Jiang, Kiyonari Harada, Yoko Yamashita, **Hitoshi Ashida**.
97. The chalcones cardamonin and flavokawain B inhibit the differentiation of preadipocytes to adipocytes by activating ERK. (査読付)	共	2014年	*Archives Biochemistry and Biophysics*. 554, 44-54.	Tianshun Zhang, Norio Yamamoto, Yoko Yamashita, **Hitoshi Ashida**.
98. Aryl hydrocarbon receptor enhances the expression of multidrug-resistant mdr1b through p53 in mouse hepatoma cells. (査読付)	共	2013年	*Organohalogen Compounds*, 75, 625-628.	Takakazu Mitani, Masaki Kinehara, Ken-ichi Yoshida, **Hitoshi Ashida**.
99. Inhibitory effect of cardamonin on transformation of aryl hydrogen	共	2013年	*Organohalogen Compounds*, 75, 620-624.	Chao He, Norio Yamamoto, **Hitoshi Ashida**.

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receptor. (査読付)				
100. Application of Solidago canadensis extract to phytomonitering of polychlorinated biohenyl congeners in the transgenic Arabidopsis plants carrying the recombinant guinea pif aryl hydrocarbon receptor-mediated β-glucuronidase reporter gene expression system. (査読付)	共	2013年	*Organohalogen Compounds*, 75, 398-401.	Sayuri Shimazu, Masaya Ohta, **Hitoshi Ashida**.
101. Cinnamtannin A2, a tetrameric procyanidin, increases GLP-1 activity and insulin secretion. (査読付)	共	2013年	*Bioscience, Biotechnology and Biochemistry*, 77, 888-891.	Yoko Yamashita, Masaaki Okabe, Midori Natsume, **Hitoshi Ashida**.
102. Detection of orally administered inositol stereoisomers in mouse blood plasma and their effects on translocation of glucose transporter 4 in skeletal muscle cells. (査読付)	共	2013年	*Journal of Agricultural and Food Chemistry*, 61, 4850-4854.	Yoko Yamashita, Masaru Yamaoka, Tomohisa Hasunuma, **Hitoshi Ashida**, Ken-ichi Yoshida.
103. Enzymatically synthesized glycogen reduces lipid accumulation in diet-induced obese rats. (査読付)	共	2013年	*Nutrition Research*, 33, 743-752.	Takashi Furuyashiki, Rui Ogawa, Yoko Nakayama, Kazuhisa Honda, Hiroshi Kamisoyama, Hiroki Takata, Michiko Yasuda, Takashi Kuriki, **Hitoshi Ashida**.
104. 10-Hydroxy-2-decenoic acid, a unique medium-chain fatty acid, activates AMP-activated protein kinase in L6 myotubes and mice. (査読付)	共	2013年	*Molecular Nutrition & Food Research*, 57, 1794-1802.	Masahito Takikawa, Aya Kumagai, Harumi Hirata, Minoru Soga, Yoko Yamashita, Manabu Ueda, **Hitoshi Ashida**, Takanori Tsuda.
105. Black soybean seed coat extract ameliorates hyperglycemia and	共	2013年	*Journal of Agricultural and Food Chemistry*, 61, 5558-5564.	Yuta Kurimoto, Yuki Shibayama, Seiya Inoue, Minoru Soga, Masahito Takikawa, Chiaki Ito, Fumio Nanba, Tadashi Yoshida, Yoko Yamashita, **Hitoshi Ashida**, Takanori Tsuda.

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insulin sensitivity via the activation of AMP-activated protein kinase in diabetic mice.（査読付）				
106. Preventive effects of black soybean seed coat polyphenols against DNA damage in Salmonella typhimurium.（査読付）	共	2013年	*Food Science and Technology Research*, 19, 685-690.	Tianshun Zhang, Kyuichi Kawabata, Rei Kitano, **Hitoshi Ashida**.
107. Immunomodulatory activity of enzymatically synthesized glycogen and its digested metabolite in a co-culture system consisting of differentiated Caco-2 cells and RAW264.7 macrophages.（査読付）		2013年	*Food & Function*, 4, 1387-1393.	Michiko Yasuda, Takashi Furuyashiki, Toshiyuki Nakamura, Ryo Kakutani, Hiroki Takata, **Hitoshi Ashida**.
108. Black soybean seed coat polyphenols prevent B(a)P-induced DNA damage through modulating drug-metabolizing enzymes in HepG2 cells and ICR mice.（査読付）	共	2013年	*Mutation Research*, 752, 34-41.	Tianshun Zhang, Songyan Jiang, Chao He, Yuki Kimura, Yoko Yamashita, **Hitoshi Ashida**.
109. Propolis extract promotes translocation of glucose transporter 4 and glucose uptake through both PI3K- and AMPK-dependent pathways in skeletal muscle.（査読付）	共	2013年	*BioFactors*, 39, 457-466.	Manabu Ueda, Kaori Hayashibara, **Hitoshi Ashida**.
110. Effect of green tea extract on mineral contents in mice hair.（査読付）	共	2013年	*Food Science and Technology Research*, 19, 123-125.	Masaya Kawase, Tadashi Saito, Yoshihisa Nakano, Yoko Yamashita, Sayuri Imada, **Hitoshi Ashida**.
111. 4-Hydroxyderricin and xanthoangelol from Ashitaba	共	2013年	*Molecular Nutrition & Food Research*, 57,	Tianshun Zhang, Keisuke Sawada, Norio Yamamoto, **Hitoshi Ashida**.

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(Angelica keiskei) suppress differentiation of preadiopocytes to adipocytes via AMPK and MAPK pathways. (査読付)			1729-1740.	
112. Induction of the multidrug-resistant Mdr1b mediated by aryl hydrocarbon receptor in mouse hepatoma Hepa-1c1c7 cells. (査読付)	共	2012年	*Organohalogen Compounds*, 74, 1005-1008.	Ayano Nomura, Masaki Kinehara, Itsuko Fukuda, **Hitoshi Ashida**.
113. Curcumin and its derivatives suppress the transformation of an aryl hydrocarbon receptor. (査読付)	共	2012年	*Organohalogen Compounds*, 74, 980-983.	**Hitoshi Ashida**, Shun Fukuda, and Shin Nishiumi.
114. Application of a southwestern-chemistry based ELISA to evaluation of dioxins in the farm products. (査読付)	共	2012年	*Organohalogen Compounds*, 74, 173-176.	Itsuko Fukuda, **Hitoshi Ashida**.
115. Fermented tea improves glucose intolerance in mice by enhancing translocation of glucose transporter 4 in skeketal muscle. (査読付)	共	2012年	*Agricultural and Food Chemistry*, 60, 11366-11371.	Yoko Yamashita, Lihua Wang, Zhang Tinshun, Toshiyuki Nakamura, **Hitoshi Ashida**.
116. Coffee improves insulin-stimulated Akt phosphorylation in liver and skeletal muscle in diabetic KK-Ay mice. (査読付)	共	2012年	*Journal of Nutritional Science and Vitaminology, 58, 408-414.*	Misato Kobayashi, Yuji Matsuda, Hiroshi Iwai, Masanori Hiramitsu, Takashi Inoue, Takao Katagiri, Yoko Yamashita, **Hitoshi Ashida**, Atsushi Murai, Fumihiko Horio.
117. Suppression of the lipopolysaccharide and galactosamine-induced hepatic inflammation by red grape pomace. (査読付)	共	2012年	*Journal of Agricultural and Food Chemistry*, 60, 9315-9320.	Shin Nishiumi, Rie Mukai, Takashi Ichiyanagi, **Hitoshi Ashida**.
118. β-Glucan from Saccharomyces cerevisiae reduces	共	2012年	*Biochmica et Biophysica Acta, General*	Xiaojuan, Xu, Michiko Yasuda, Masashi Mizuno, **Hitoshi Ashida**.

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lipopolysaccharide-induced inflammatory responses in RAW264.7 macrophages. (査読付)			*Subjects*, 1820, 1656-1663.	
119. Assays of polychlorinated biphenyl congeners and co-contaminated heavy metals in the transgenic Arabidopsis plants carrying the recombinant guinea pig aryl hydrocarbon receptor-mediated β-glucuronidase reporter gene expression system. (査読付)	共	2012年	*Journal of Environmental Science and Health, Part B*, 47, 925-935.	Sayuri Shimazu, Masaya Ohta, Hideo Ohkawa, **Hitoshi Ashida**.
120. Green tea prevents hyperglycemia by increasing expression of insulin-like growth factor binding protein-1 in adipose tissue of high-fat diet-fed mice. (査読付)	共	2012年	*Journal of Agricultural and Food Chemistry*, 60, 8917-8923.	Manabu Ueda, **Hitoshi Ashida**.
121. Comparison of anti-hyperglycaemic activities between low- and high-degree of polymerization procyanidin fractions from cacao liquor extract. (査読付)	共	2012年	*Journal of Food and Drug Analysis*, 20 (suppl1), 283-287.	Yoko Yamashita, Masaaki Okabe, Midori Natsume, **Hitoshi Ashida**.
122. Cacao liquor procyanidin extract improves glucose tolerance by enhancing GLUT4 translocation and glucose uptake in skeletal muscle. (査読付)	共	2012年	*Journal of Nutritional Science*, 1, e2.	Yoko Yamashita, Masaaki Okabe, Midori Natsume, **Hitoshi Ashida**.
123. Absorption and metabolism of 4-hydroxyderricin and xanthoangelol after oral	共	2012年	*Archives Biochemistry and Biophysics*. 521, 71-76.	Toshiyuki Nakamura, Takahiro Tokushima, Kyuichi Kawabata, Norio Yamamoto, Masaaki Miyamoto, **Hitoshi Ashida**.

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administration of Angelica keiskei in mice.（査読付）				
124. Ameliorative effects of polyunsaturated fatty acids against palmitic acid-induced insulin resistance in L6 skeletal muscle cells.（査読付）	共	2012年	*Lipids in Health and Disease*, 11, 36.	Keisuke Sawada, Kyuichi Kawabata, Takatoshi Yamashita, Kengo Kawasaki, Norio Yamamoto, **Hitoshi Ashida**.
125. Comparative analysis of carbohydrate-binding specificities of two anti-glycogen monoclonal antibodies using ELISA and surface plasmon resonance.（査読付）	共	2012年	*Carbohydrate Research*, 350, 49-54.	Sachiko Nakamura-Tsuruta, Michiko Yasuda, Toshiyuki Nakamura, Eri Shinoda, Takashi Furuyashiki, Ryo Kakutani, Hiroki Takata, Yoji Kato, **Hitoshi Ashida**.
126. Antagonistic effect of the Ainu-selected traditional beneficial plants on the transformation of an aryl hydrocarbon receptor.（査読付）	共	2012年	*Journal of Food Science*, 77, C420-C429.	Shin Nishiumi, Keizo Hosokawa, Masaki Anetai, Toshiro Shibata, Rie Mukai, Ken-ichi Yoshida, **Hitoshi Ashida**.
127. New structure descriptor in structure-activity relationship study in the suppression of the aryl hydrocarbon receptor transformation by anthraquinones.（査読付）	共	2012年	*Food Science and Technology Research*, 18, 173-176.	Masaya Kawase, Tadashi Saito, Teruo Yasunaga, Tatsuya Takagi, Itsuko Fukuda, **Hitoshi Ashida**.
128. Beta-Glucan from Lentinus edodes inhibits NO and TNF-α production and phosphorylation of mitogen-activated protein kinases in LPS-stimulated murine RAW 264.7 macrophages.（査読付）	共	2012年	*Journal of Biological Chemistry*, 287, 871-878.	Xiaojuan, Xu, Michiko Yashuda, Sachiko Nakamura-Tsuruta, Masashi Mizuno, **Hitoshi Ashida**.
129. Chain structures of glucans from	共	2012年	*Carbohydrate Polymers*, 87,	Xiaojuan, Xu, Pan Chen, Lina Zhang, **Hitoshi Ashida**.

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Lentinus edodes and their effects on NO production from RAW 264.7 macrophages.（査読付）			1855-1862, 2012.	
130. Prevention mechanisms of glucose intolerance and obesity by cacao liquor procyanidin extract in high-fat diet-fed C57BL/6 mice.（査読付）	共	2012年	*Archives Biochemistry and Biophysics*. 527, 95-104	Yoko Yamashita, Masaaki Okabe, Midori Natsume, **Hitoshi Ashida**.
131. 17β-Estradiol represses myogeninc differentiation by increasing ubiquitin-specific peptidase 19 through estrogen receptor α.（査読付）	共	2011年	*Journal of Biological Chemistry*, 286, 41455-41465.	Masahiro Ogawa, Ryoichi Yamaji, Yasuki Higashimura, Naoki Harada, **Hitoshi Ashida**, Yoshihisa Nakano, Hiroshi Inui.
132. Acute and chronic oral toxicity studies of black soybean (Glycine max) hull extract in mice and rats.（査読付）	共	2011年	*Food and Chemical Toxicology*, 49, 3272-3278.	Itsuko Fukuda, Miki Tsutsui, Tadashi Yoshida, Toshiya Toda, Takanori Tsuda, **Hitoshi Ashida**.
133. An immunomodulatory beta-glucan from lentinus edodes activates mitogen activated protein kinases and nuclear factor κB in murin RAW 264.7 macrophages.（査読付）	共	2011年	*Journal of Biological Chemistry*, 286, 31194-31198.	Xiaojuan, Xu, Pan Chen, Lina Zhang, **Hitoshi Ashida**.
134. A black soybean seed coat extract prevents obesity and glucose intolerance by up-regulating uncoupling proteins and down-regulating inflammatory cytokines in high-fat diet-fed mice.（査読付）	共	2011年	*Journal of Agricultural Food Chemistry*, 59, 8985-8993.	Yuki Kanamoto, Yoko Yamashita, Fumio Nanba, Tadashi Yoshida, Takanori Tsuda, Itsuko Fukuda, Sachiko Nakamura-Tsuruta, **Hitoshi Ashida**.
135. Possible evidence of contamination by catechins in	共	2011年	*Bioscience, Biotechnology and Biochemistry*	Toshiyuki Nakamura, Akihito Tanaka, **Hitoshi Ashida**.

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deconjugation enzymes from Helix pomatia and Abalone entrails.（査読付）			, 75, 1506-1510.	
136. Concentration of catechins and caffeine in black tea affect suppression of fat accumulation and hyperglycemia in high-fat diet-fed mice.（査読付）	共	2011年	*Food Science and Technology Research*, 17, 353-359.	Sayuri Imada, Akihito Tanaka, Shin Nishiumi, **Hitoshi Ashida**.
137. A role of the aryl hydrocarbon receptor in attenuation of colitis.（査読付）	共	2011年	*Digestive Diseases and Sciences*, 56, 2532-2544.	Keisuke Furumatsu, Shin Nishiumi, Yuki Kawano, Makoto Ooi, Tomoo Yoshie, Yuuki Shiomi, Hiromu Kutsumi, **Hitoshi Ashida**, Yoshiaki Fujii-Kuriyama, Takeshi Azuma, Masaru Yoshida.
138. Cardamonin stimulates glucose uptake through translocation of glucose transporter 4 in L6 myotubes.（査読付）	共	2011年	*Phytotherapy Research*, 25, 1218-1224.	Norio Yamamoto, Kyuichi Kawabata, Keisuke Sawada, Manabu Ueda, Itsuko Fukuda, Kengo Kawasaki, Akira Murakami,**Hitoshi Ashida**.
139. Metabolic fate of orally administered enzymatically synthesized l glycogen in rats.（査読付）	共	2011年	*Food & Function*, 2, 183-189.	Takashi Furuyashiki, Hiroki Takata, Iwao Kojima, Takashi Kuriki, Itsuko Fukuda, **Hitoshi Ashida**.
140. Anti-obese and anti-diabetic effects of ethanol extract of Artemisia princeps in C57BL/6 mice fed a high fat diet.（査読付）	共	2011年	*Food & Function*, 2, 45-52.	Norio Yamamoto, Yuki Kanamoto, Manabu Ueda, Kengo Kawasaki, Itsuko Fukuda, **Hitoshi Ashida**.
141. Prenylated chalcones 4-hydroxyderricin and xanthoangelol stimulate glucose uptake in skeletal muscle cells by inducing GLUT4 translocation.（査読付）	共	2011年	*Molecular Nutrition & Food Research*, 55, 467-475.	Kyuichi Kawabata, Keisuke Sawada, Kazunori Ikeda, Itsuko Fukuda, Norio Yamamoto, **Hitoshi Ashida**.
142. Measurement of glucose uptake in cultured cells.（査読付）	共	2011年	*Current Protocols in Pharmacology*, 55, 12.14.1-12.14.22.	Norio Yamamoto, Manabu Ueda, Takuya Sato, Kengo Kawasaki, Keisuke Sawada, Kyuici Kawabata, **Hitoshi Ashida**.
143. Green and black tea suppress	共	2010年	*Journal of Agricultural*	Shin Nishiumi, Hiroyuki Bessyo, Mayuko Kubo, Yukiko Aoki, Akihito Tanaka, Ken-ichi Yoshida, **Hitoshi Ashida**.

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hyperglycemia and insulin resistance by retaining the expression of glucose transporter 4 in muscle of high-fat diet-fed C57BL/6J mice. (査読付)			*Food Chemistry*, 58, 12916-12923.	
144. Tea catechins modulate translocation of the glucose transporter 4 in 3T3-Ll adipocytes. (査読付)	共	2010年	*Food & Function*, 1, 167-173.	Manabu Ueda, Takashi Furuyashiki, Kayo Yamada, Yukiko Aoki, Itsuko Fukuda, Ken-ichi Yoshida, **Hitoshi Ashida**.
145. Artemisia princeps extract promotes glucose uptake in cultured L6 muscle cells via glucose transporter 4 translocation. (査読付)	共	2010年	*Bioscience, Biotechnology and Biochemistry*, 74, 2036-2042.	Norio Yamamoto, Manabu Ueda, Kyuichi Kawabata, Takuya Sato, Kengo Kawasaki, Takashi Hashimoto, **Hitoshi Ashida**.
146. Biosurfactants useful for assays of PCB congeners in transgenic arabidopsis plants carrying a recombinant guinea pig AhR-mediated GUS reporter gene expression system. (査読付)		2010年	*Journal of Environmental Science and Health B*, 45, 773-779.	Sayuri Shimazu, Masaya Ohta, Hiroshi Inui, Yoshihiko Nanasato, **Hitoshi Ashida**, Hideo Ohkawa.
147. Recombinant human AhR-mediated GUS reporter gene assays for PCB congeners in transgenic tobacco plants in comparison with recombinant mouse and guinea pig AhRs. (査読付)	共	2010年	*Journal of Environmental Science and Health B*, 45, 764-772.	Sayuri Shimazu, Yukiko Kawabata, Akito Inayoshi, Hiroshi Inui, **Hitoshi Ashida**, Hideo Ohkawa.
148. Activation of the aryl hydrocarbon receptor induces hepatic steatosis via upregulation of fatty acid transport. (査読付)	共	2010年	*Archives of Biochemistry and Biophysics*, 504, 221-227.	Yuki Kawano, Shin Nishiumi, Shinwa Tanaka, Kentaro Nobutani, Akira Miki, Yoshihiko Yano, Yasushi Seo, Hiromu Kutsumi, **Hitoshi Ashida**, Takeshi Azuma, Masaru Yoshida.
149. An enzymatic fluorimetric assay to quantitate 2-deoxyglucose and 2-deoxyglucose-6-	共	2010年	*Analytical Biochemistry*, 404, 238-240.	Norio Yamamoto, Kengo Kawasaki, Kyuichi Kawabata, **Hitoshi Ashida**.

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phosphate for in vitro and in vivo. (査読付)				
150. Metabolites of galangin by 2,3,7,8-tetrachlorodibenzo-p-dioxin-inducible cytochrome p450 lA1 in human intestinal epithelial Caco-2 cells and their antagonistic activity toward aryl hydrocarbon receptor. (査読付)	共	2010年	*Journal of Agricultural Food Chemistry*, 58, 8111-8118.	Mika Hamada, Hideo Satsu, **Hitoshi Ashida**, Yoshiko Sugita-Konishi, Makoto Shimizu.
151. Differential substrate specificity of two inositol transporters of Bacillus subtilis. (査読付)	共	2010年	*Bioscience, Biotechnology, and Biochemistry*, 74, 1312-1314.	Tetsuro Morinaga, Takatsugu Matsuse, **Hitoshi Ashida**, Ken-ichi Yoshida.
152. Proteomic characterization of the striatum and midbrain treated with 6-hydroxydopamine: Alteration of 58-kDa glucose-regulated protein and C/EBP homologous protein. (査読付)	共	2010年	*Free Radical Research*, 44, 410-421.	Yoko Ogawa-Akazawa, Yoshihiro Saito, Keiko Nishio, Masanori Horie, Tomoya Kinumi, Yoshinori Masuo, Yasukazu Yoshida, **Hitoshi Ashida**, Etsuo Niki.
153. Transcriptional regulation of the Bacillus subtilis asnH operon and role of the 5'-proximal long sequence triplication in RNA stabilization. (査読付)	共	2010年	*Microbiology*, 156, 1632-1641.	Tetsuro Morinaga, Kazuo Kobayashi, **Hitoshi Ashida**, Yasutaro Fujita, Ken-ichi Yoshida.
154. Identification of two scyllo-inositol dehydrogenases in Bacillus subtilis. (査読付)	共	2010年	*Microbiology*, 156, 1538-1546.	Tetsuro Morinaga,**Hitoshi Ashida**, Ken-ichi Yoshida.
155. 2,3,7,8-Tetrachlorodibenzo-p-dioxin impairs an insulin signaling pathway	共	2010年	*Toxicology Science*, 115, 482-491.	Shin Nishiumi, Masaru Yoshida, Takeshi Azuma, Ken-ichi Yoshida,**Hitoshi Ashida**.

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through the induction of tumor necrosis factor-alpha in adipocytes.（査読付）				
156. D-Pinitol and myo-inositol stimulate translocation of glucose transporter 4 in skeletal muscle of C57BL/6 mice.（査読付）	共	2010年	*Bioscience Biotechnology and Biochemistry*, 74, 1062-1067.	Nhung Thuy Dang, Rie Mukai, Ken-ichi Yoshida, **Hitoshi Ashida**.
157. Suppression mechanisms of flavonoids on aryl hydrocarbon receptor-mediated signal transduction.（査読付）	共	2010年	*Archives of Biochemistry and Biophysics*, 501, 134-141.	Rie Mukai, Yasuhito Shirai, Naoaki Saito, Itsuko Fukuda, Shin Nishiumi, Ken-ichi Yoshida, **Hitoshi Ashida**.
158. パン酵母β-グルカン摂取によるラットの盲腸内容物および糞便排泄に及ぼす影響.（査読付）	共	2009年	*生物工学会誌*, 87, 170-174.	福田伊津子，小土井理恵，久保麻友子，藤嶽暢英，藤田剛，**芦田均**.
159. パン酵母β-グルカンのラットにおける脂質異常症予防効果.（査読付）	共	2009年	*生物工学会誌*, 87, 129-134.	福田伊津子，小土井理恵，久保麻友子，岡本隆志，藤田剛，**芦田均**.
160. Subcellular localization of flavonol aglycone in hepatocytes visualized by confocal laser scanning fluorescence microscope.（査読付）	共	2009年	*Cytotechnology*. 59, 177-182.	Rie Mukai, Yasuhito Shirai, Naoaki Saito, **Hitoshi Ashida**.
161. Inhibition of p-glycoprotein enhances the suppressive effect of kaempferol on transformation of the aryl hydrocarbon receptor.（査読付）	共	2009年	*Bioscience Biotechnology and Biochmistry*, 73, 1635-1639.	Rie Mukai, Hideo Satsu, Makoto Shimizu, **Hitoshi Ashida**.
162. Suppression of cytochrome P450 lA1 expression induced by 2,3,7,8-tetrachlorodibenzo-p- dioxin in mouse hepatoma	共	2009年	*Bioscience, Biotechnology, and Biochemistry*, 73, 1206-1208.	Itsuko Fukuda, Miki Tsutsui, Iwao Sakane, **Hitoshi Ashida**.

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3 学術論文				
Hepa-lclc7 cells treated with serum of (-)-epigallocatechin-3-gallate- and green tea extract-administered rats. (査読付)				
163. Discovery of novel 2',3',4'-trihydroxy-2-phenylacetophenone derivatives as anti-Gram-positive antibacterial agents. (査読付)	共	2009年	*Bioscience, Biotechnology, and Biochemistry*, 73, 124-125.	Hideyuki Goto, Yuji Kumada, **Hitoshi Ashida**, Ken-ichi Yoshida.
164. Structure-activity relationships of anthraquinones on the suppression of DNA-binding activity of the aryl hydrocarbon receptor induced by 2,3,7,8-tetrachlorodibenzo-p-dioxin. (査読付)	共	2009年	*Journal of Bioscience and Bioengineering*, 107, 296-300.	Itsuko Fukuda, Atsushi Kaneko, Shin Nishiumi, Masaya Kawase, Rika Nishikiori, Nobuhide Fujitake, **Hitoshi Ashida**.
165. Aryl hydrocarbon receptor-mediated induction of the cytosolic phospholipase A2alpha gene by 2,3,7,8-tetrachlorodibenzo-p-dioxin in mouse hepatoma Hepa-lclc7 cells. (査読付)	共	2009年	*Journal of Bioscience and Bioengineering*, 108, 277-281.	Masaki Kinehara, Itsuko Fukuda, Ken-ichi Yoshida, **Hitoshi Ashida**.
166. High-throughput evaluation of aryl hydrocarbon receptor-binding sites selected via chromatin immunoprecipitation-based screening in Hepa-lclc7 cells stimulated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. (査読付)	共	2008年	*Genes and Genetic Systems*, 83, 455-468.	Masaki Kinehara, Itsuko Fukuda, Ken-ichi Yoshida, **Hitoshi Ashida**.
167. Inhibitory effects of caffeine and its metabolites on intracellular	共	2008年	*BioFactors*, 34. 293-302.	Hideo Nakabayashi, Takashi Hashimoto, **Hitoshi Ashida**, Shin Nishiumi, Kazuki Kanazawa. Inhibitory effects of caffeine and its metabolites on intracellular lipid accumulation in murine 3T3-L1 adipocytes.

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lipid accumulation in murine 3T3-L1 adipocytes.（査読付）				
168. Identification of two major ammonia-releasing reactions involved in secondary natto fermentation.（査読付）	共	2008年	*Bioscience, Biotechnology, and Biochemistry*, 72, 1869-1876.	Shigeki Kada, Masahiro Yabusaki, Takayuki Kaga, **Hitoshi Ashida**, Ken-ichi Yoshida.
169. Epigallocatechin gallate promotes GLUT4 translocation in skeletal muscle.（査読付）	共	2008年	*Biochemical Biophysical Research Communications*, 377, 286-290.	Manabu Ueda, Shin Nishiumi, Hironobu Nagayasu, Itsuko Fukuda, Ken-ichi Yoshida, **Hitoshi Ashida**.
170. Cacao polyphenol extract suppresses transformation of an aryl hydrocarbon receptor in C57BL/6 mice.（査読付）	共	2008年	*Journal of Agricultural and Food Chemistry*, 56, 10399-10405.	Rie Mukai, Itsuko Fukuda, Shin Nishiumi, Midori Natsume, Naomi Osakabe, Ken-ichi Yoshida, **Hitoshi Ashida**.
171. Induction of adaptive response through up-regulation of celluar glutathione by γ-tocopheryl quinine, but not by α-tocopheryl quinine: acceleration in cysteine availability induced by arylating quinone.（査読付）	共	2008年	*Free Radical Research*, 42, 674-687.	Yoko Ogawa, Yoshihiro Saito, Keiko Nishio, Yasukazu Yoshida, **Hitoshi Ashida**, Etsuo Niki.
172. myo-Inositol catabolism in Bacillus subtilis.（査読付）	共	2008年	*Journal of Biological Chemistry*, 283, 10415-10424.	Ken-ichi Yoshida, Masanori Yamaguchi, Tetsuro Morinaga, Masaki Kinehara, Maya Ikeuchi, **Hitoshi Ashida**, Yasutaro Fujita.
173. Isolation and identification of the active compound from molokhia (Corchorus olitorius L.) to suppress the transformation of an aryl hydrocarbon receptor.（査読付）	共	2008年	*Journal of Clinical Nutrition and Biochemistry*, 43, 277-280.	Shin Nishiumi, Iwao Sakane, Ken-ichi Yoshida, **Hitoshi Ashida**.
174. Effect of chamomile extract	共	2008年	*Journal of Clinical*	Tomohiro Ohno, Hironori Tomi, Shin Nishiumi, Itsuko Fukuda, **Hitoshi Ashida**.

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on adiposity in mice fed a high-fat diet. (査読付)			*Nutrition and Biochemistry*, 43, 243-246.	
175. Suppressive effects of propolis extract on cytochrome P450lAl expression induced by 2,3,7,8,-tetrachlorodibenzo-p-dioxin. (査読付)	共	2008年	*Journal of Clinical Nutrition and Biochemistry*, 43, 460-463.	Daisuke Kashiwada, Itsuko Fukuda, Ken-ichi Yoshida, **Hitoshi Ashida**.
176. Involvement of SREBPs in 2,3,7,8-tetrachlorodibenzo-p-dioxin-induced disruption of lipid metabolism in male guinea pig. (査読付)	共	2008年	*Toxicology and Applied Pharmacology*, 29, 281-289.	Shin Nishiumi, Yoshiyuki Yabushita, Takashi Furuyashiki, Itsuko Fukuda, **Hitoshi Ashida**.
177. Antagonistic and agonistic effects of indigoids on the transformation of an aryl hydrocarbon receptor. (査読付)	共	2008年	*Archives of Biochemistry and Biophysics*, 470, 187-199.	Shin Nishiumi, Norio Yamamoto, Rie Kodoi, Itsuko Fukuda, Ken-ichi Yoshida, **Hitoshi Ashida**.
178. Rapid preparation of a plasma membrane fraction from adipocytes and muscle cells: Application for detection of translocated glucose transporter 4 on the plasma membrane. (査読付)	共	2007年	*Bioscience Biotechnology and Biochemistry*, 71, 2343-2346.	Shin Nishiumi, **Hitoshi Ashida**.
179. Interaction between the aryl hydrocarbon receptor and its antagonists, flavonoids. (査読付)	共	2007年	*Biochemical Biophysical Research Communications*, 359, 822-827.	Itsuko Fukuda, Rie Mukai, Masaya Kawase, Ken-ichi Yoshida, **Hitoshi Ashida**.
180. Curcumin suppresses the transformation of an aryl hydrocarbon receptor through its phosphorylation. (査読付)	共	2007年	*Archives of Biochemistry and Biophysics*, 466, 267-273.	Shin Nishiumi, Ken-ichi Yoshida, **Hitoshi Ashida**.
181. Rat L6 myotubes as	共	2007年	*Cytotechnology*,	Angeline Yap, Shin Nishiumi, Ken-ichi Yoshida, **Hitoshi**

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3 学術論文				
an in vitro model system to study GLUT4-dependent glucose uptake stimulated by inositol derivatives.（査読付）			55, 103-108.	**Ashida**.
182. Cyanidin 3-glucoside ameliorates hyperglycemia and insulin sensitivity due to downregulation of retinol binding protein 4 expression in diabetic mice.（査読付）	共	2007年	*Biochemical Pharmacology*, 74, 1619-1627.	Rie Sasaki, Natsumi Nishimura, Hiromi Hoshino, Yasuka Isa, Maho Kadowaki, Takahito Ichi, Akihito Tanaka, Shin Nishiumi, Itsuko Fukuda, **Hitoshi Ashida**, Fumihiko Horio, Takanori Tsuda.
183. Identification of a functional 2-keto-myo-inositol dehydratase gene of Sinorhizobium fredii USDA191 required for myo-inositol utilization.（査読付）	共	2006年	*Bioscience, Biotechnology, and Biochemistry*, 70, 2957-2964.	Ken-ichi Yoshida, Won-Seok Kim, Masaki Kinehara, Rie Mukai, **Hitoshi Ashida**, Hideki Ikeda, Yasutaro Fujita, Hari B. Krishnan.
184. TCDD-induced CYP1A1 expression, an index of dioxin toxicity, is suppressed by flavonoids permeating the human intestinal Caco-2 cell monolayers.（査読付）		2006年	*Journal of Agricultural and Food Chemistry*, 54, 8891-8898.	Mika Hamada, Hideo Satsu, Yayoi Natsume, Shin Nishiumi, Itsuko Fukuda, **Hitoshi Ashida**, Makoto Shimizu.
185. Screening of the indigenous plants from Japan for modulating effects on transformation of the aryl hydrocarbon receptor.（査読付）		2006年	*Asian Pacific Journal of Cancer Prevention*, 7, 208-220.	Shin Nishiumi, Keizo Hosokawa, Rie Mukai, Itsuko Fukuda, Atsuyuki Hishida, Osamu Iida, Ken-ichi Yoshida, **Hitoshi Ashida**.
186. Functional myo-inositol catabolic genes of Bacillus subtilis natto are involved in depletion of pinitol in natto (fermented soybean).（査読付）	共	2006年	*Bioscience, Biotechnology, and Biochemistry*, 70, 1913-1920.	Tetsuro Morinaga, Masanori Yamaguchi, Yuki Makino, Hideaki Nanamiya, Kiwamu Takahashi, Hirofumi Yoshikawa, Fujio Kawamura, **Hitoshi Ashida**, Ken-ichi Yoshida.

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187.(+)- Catechin suppresses the inhibition of 3T3-Ll differentiation by 2,3,7,8-tetrachlorodibenzo-p-dioxin.（査読付）	共	2006年	*ITE Letters on Batteries, New Technologies & Medicine*, 7, 292-295.	Itsuko Fukuda, Sayaka Terashima, **Hitoshi Ashida**.
188.A frequent drinking of green tea lowers the levels of endogenous oxidative stress in small intestines, erythrocytes and kidneys in rats.（査読付）	共	2006年	*Journal of Clinical Biochemistry and Nutrition*, 39, 32-39.	Hiroyuki Sakakibara,**Hitoshi Ashida**, Itsuko Fukuda, Takashi Furuyashiki, Takashi Sano, Yuji Nonaka, Takashi Hashimoto, Kazuki Kanazawa.
189.Genetic modification of Bacillus subtilis for production of D-chiro-inositol, an investigational drug candidate for treatment of type 2 diabetes and polycystic ovary syndrome.（査読付）	共	2006年	*Applied Environmental Microbiology*, 72, 1310-1315.	Ken-ichi Yoshida, Masanori Yamaguchi, Tetsuro Morinaga, Maya Ikeuchi, Masaki Kinehara, **Hitoshi Ashida**.
190.Molokhia (Corchorus olitorius L.) extract suppresses transformation of the aryl hydrocarbon receptor induced by dioxins.（査読付）	共	2006年	*Food and Chemical Toxicology*, 44, 250-260.	Shin Nishiumi, Yoshiyuki Yabushita, Itsuko Fukuda, Rie Mukai, Ken-ichi Yoshida, **Hitoshi Ashida**.
191.Effects of combined administration of quercetin, rutin, and extract of white radish sprout rich in kaempferol glycosides on the metabolism in rats.（査読付）	共	2006年	*Bioscience, Biotechnology, and Biochemistry*, 70, 279-281.	Takashi Hashimoto, Yuko Ueda, Naomi Oi, Hiroyuki Sakakibara, Chengyuan Piao, **Hitoshi Ashida**, Miho Goto, Kazuki Kanazawa.
192.Suppressive effects of ethanolic extracts from propolis and its main botanical origin on dioxin	共	2005年	*Journal of Agricultural and Food Chemistry*, 53, 10306-10309.	Yong K. Park, Itsuko Fukuda, **Hitoshi Ashida**, Shin Nishiumi, Ken-ichi Yoshida, Helia H. Sato, Glaucia M. Pastore.

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toxicity.（査読付）				
193. Suppressive effects of commercial beverages on TCDD-induced aryl hydrocarbon receptor transformation.（査読付）	共	2005年	*ITE Letters on Batteries, New Technologies & Medicine*, 6, 372-377.	Yoshiyuki Yabushita, Itsuko Fukuda, Shin Nishiumi, **Hitoshi Ashida**.
194. Anthocyans fail to suppress transformation of aryl hydrocarbon receptor induced by dioxin.（査読付）	共	2005年	*Bioscience, Biotechnology, and Biochemistry*, 69, 896-903.	Rie Mukai, Itsuko Fukuda, Keizo Hosokawa, Shin Nishiumi, Atsushi Kaneko, **Hitoshi Ashida**.
195. Black tea theaflavins suppress dioxin-induced transformation of the aryl hydrocarbon receptor.（査読付）	共	2005年	*Bioscience, Biotechnology, and Biochemistry*, 69, 883-890.	Itsuko Fukuda, Iwao Sakane, Yoshiyuki Yabushita, Shin-ichi Sawamura, Kazuki Kanazawa, **Hitoshi Ashida**.
196. Anti-obesity actions of green tea: possible involvements in modulation of the glucose uptake system and suppression of the adipogenesis-related transcription factors.（査読付）	共	2004年	*BioFactors*, 22, 135-140.	**Hitoshi Ashida**, Takashi Furuyashiki, Hironobu Nagayasu, Hiroaki Bessho, Hiroyuki Sakakibara, Takashi Hashimoto, Kazuki Kanazawa.
197. Lentinan from shiitake mushroom (Lentinus edodes) suppresses expression of cytochrome P450 1A subfamily in the mouse liver.（査読付）	共	2004年	*BioFactors*, 21, 407-409.	Takashi Okamoto, Rie Kodoi, Yuji Nonaka, Itsuko Fukuda, Takashi Hashimoto, Kazuki Kanazawa, Masashi Mizuno, **Hitoshi Ashida**.
198. Antocyan does not suppress transformation of aryl hydrocarbon receptor induced by dioxin.（査読付）	共	2004年	*BioFactors*, 21, 371-373.	Rie Mukai, Itsuko Fukuda, Shin Nishiumi, Kazuki Kanazawa, **Hitoshi Ashida**.
199. Black tea extract suppresses transformation of aryl hydrocarbon receptor induced by dioxin.（査読	共	2004年	*BioFactors*, 21, 367-369.	Itsuko Fukuda, Iwao Sakane, Yoshiyuki Yabushita, Shin-ichi Sawamura, Kazuki Kanazawa, **Hitoshi Ashida**.

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3 学術論文				
付)				
200. Tea catechin suppresses adipocyte differentiation accompanied by down-regulation of PPARγ2 and C/EBP α in 3T3-L1 cells. (査読付)	共	2004年	*Bioscience Biotechnology and Biochemistry*, 68, 2353-2359.	Takashi Furuyashiki, Hironobu Nagayasu, Yukiko Aoki, Hiroyuki Bessyo, Takashi Hashimoto, Kazuki Kanazawa, **Hitoshi Ashida**.
201. 3-Amino-1,4-dimethyl-5H-pyrido [4,3-b]indole (Trp-P-1) triggers apoptosis by DNA double-strand breaks caused by inhibition of topoisomerase I. (査読付)	共	2004年	*Carcinogenesis*, 25, 1149-1155.	Bunsyo Shiotani, **Hitoshi Ashida**.
202. Pigments in green tea leaves (Camellia sinensis) suppress transformation of the aryl hydrocarbon receptor induced by dioxin. (査読付)	共	2004年	*Journal of Agricultural Food Chemistry*, 52, 2499-2506.	Itsuko Fukuda, Iwao Sakane, Yoshiyuki Yabushita, Rie Kodoi, Shin Nishiumi, Takami Kakuda, Shin-ichi Sawamura, Kazuki Kanazawa, **Hitoshi Ashida**.
203. 3-Amino-1,4-dimethyl-5H-pyrido [4,3-b]indole (Trp-P-1) induces apoptosis and necrosis with the activation of different caspases in rat splenocytes. (査読付)	共	2004年	*Bioscience Biotechnology and Biochemistry*, 68, 964-967.	Takashi Hashimoto, Takashi Sano, Wakana Ito, Kazuki Kanazawa, Gen-ichi Danno,**Hitoshi Ashida**.
204. Suppression of dioxin mediated aryl hydrocarbon receptor transformation by ethanolic extracts of propolis. (査読付)	共	2004年	*Bioscience Biotechnology and Biochemistry*, 68, 935-938.	Yong K. Park, Itsuko Fukuda, **Hitoshi Ashida**, Shin Nishiumi, Julio Paredes Guzman, Helia H. Sato, Glaucia M. Pastore.
205. Antioxidative bioavailability of artepillin C in Brazilian propolis. (査読付)	共	2004年	*Archives of Biochemistry and Biophysics*, 424, 181-188.	Kazuo Shimizu, **Hitoshi Ashida**, Yukinaga Matsuura, Kazuki Kanazawa.
206. A new southwestern chemistry-based ELISA for detection of aryl hydrocarbon	共	2004年	*Journal of Immunological Methods*, 287, 187-201.	Itsuko Fukuda, Shin Nishiumi, Yoshiyuki Yabushita, Rie Mukai, Rie Kodoi, Kaoru Hashizume, Masashi Mizuno, Yutaka Hatanaka, **Hitoshi Ashida**.

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receptor transformation: Application to the screening of its receptor agonists and antagonists. (査読付)				
207. Green tea extract inhibits etoposide-induced apoptosis in rat thymocytes. (査読付)	共	2004年	*ITE Letters on Batteries, New Technology & Medicine*, 5, 73-78.	Takashi Hashimoto, Wakako Fukushima, Wakana Ito, Michihiro Takagi, Kazuki Kanazawa, **Hitoshi Ashida**.
208. Simultaneous determination of all polyphenols in vegetables, fruits, and teas. (査読付)		2003年	*Journal of Agricultural and Food Chemistry*, 51, 571-581.	Hiroyuki Sakakibara, Yoshinori Honda, Satoshi Nakagawa, **Hitoshi Ashida**, Kazuki Kanazawa.
209. Evaluation of intestinal dioxin permeability using human Caco-2 cell monolayers. (査読付)	共	2003年	*Food Science and Technology Research*, 9, 364-366.	Yayoi Natsume, Hideo Satu, Yasuo Hatsugai, Hirohito Watanabe, Ryuichro Sato, **Hitoshi Ashida**, Robert H. Tukey, Makoto Shimizu.
210. Apoptosis in the thymus after intraperitoneal injection of rats with Trp-P-1. (査読付)	共	2002年	*Environmental and Molecular Mutagenesis*, 40, 175-183.	Takashi Hashimoto, Takashi Furuyashiki, Takashi Sano, Kaori Kihara, Itsuko Fukuda, Wakana Ito, Pyoyun Park, Kazuki Kanazawa, Gen-ichi Danno, **Hitoshi Ashida**.
211. *N-Acetyl*-L-cysteine suppresses constitutive expression of CD11a/LFA-1α protein in myeloid lineage. (査読付)	共	2002年	*Leukemia Research*, 26, 939-944, 2002.	Kaoru Hashizume, Yutaka Hatanaka, Itsuko Fukuda, Takashi Sano, Yukihiro Yamaguchi, Yoichi Tani, Gen-ichi Danno, Keiichiro Suzuki,**Hitoshi Ashida**.
212. Up-regulation of CD13/aminopeptidase N induced by phorbol ester is involved in redox regulation and tumor necrosis factor α production in HL-60 cells. (査読付)	共	2002年	*Inflammation*, 26, 175-181.	Yutaka Hatanaka, **Hitoshi Ashida**, Kaoru Hashizume, Itsuko Fukuda, Takashi Sano, Yukihiro Yamaguchi, Takeshi Endo, Yoichi Tani, Keiichiro Suzuki, Gen-ichi Danno.
213. Suppressive effect of polysaccharides from the edible and medicinal mushrooms, Lentinus edodes and Agaricus	共	2002年	*Bioscience, Biotechnology, and Biochemistry*, 66, 1610-1614.	Takashi Hashimoto, Yuji Nonaka, Ken-ichiro Minato, Sachiko Kawakami, Masashi Mizuno, Itsuko Fukuda, Kazuki Kanazawa, **Hitoshi Ashida**.

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blazei, on the expression of cytochrome P450s in mice. (査読付)				
214. 3-Amino-1,4-dimethyl-5H-pyrido [4,3-b]indole (Trp-P-1) is incorporated into rat splenocytes, thymocytes, and hepatocytes through monoamine transporters and induces apoptosis. (査読付)	共	2002年	*Bioscience, Biotechnology, and Biochemistry*, 66, 1205-1212.	Takashi Hashimoto, Takashi Furuyashiki, Takashi Sano, Wakana Ito, Gen-ichi Danno, Kazuki Kanazawa, **Hitoshi Ashida**.
215. Effect of different heating conditions on the extractability of barley hordeins. (査読付)	共	2002年	*Journal of Nutritional Science and Vitaminology*, 48, 149-154.	Reiko Nakai, **Hitoshi Ashida**, Gen-ichi Danno.
216. Rutin-enhanced antibacterial activities of flavonoids against Bacillus cereus and Salmonella enteritidis. (査読付)	共	2002年	*Bioscience, Biotechnology, and Biochemistry*, 66, 1009-1014.	Hidetoshi Arima, **Hitoshi Ashida**, Gen-ichi Danno.
217. A novel method using 8-hydroperoxy-2-deoxyguanosine formation for evaluating antioxidative potency. (査読付)	共	2002年	*Free Radical Research*, 36, 307-316.	Hiroyuki Sakakibara, **Hitoshi Ashida**, Kazuki Kanazawa.
218. Subsequent products after antioxidant actions of β-carotene and α-tocopherol have no Salmonella mutagenicity. (査読付)	共	2002年	*Bioscience, Biotechnology, and Biochemistry*, 66, 363-372.	Mingzhou Sun, Ryo Yamauchi, **Hitoshi Ashida**, Kazuki Kanazawa.
219. Evoking cytochrome P450 1A activity interferes with apoptosis induced by 3-amino-1,4-dimethyl-5H-pyrido [4,3-b]indole (Trp-P-1) in rat hepatocytes under the ex vivo system. (査読付)	共	2002年	*Bioscience, Biotechnology, and Biochemistry*, 66, 356-362.	Bunsyo Shiotani, Yuji Nonaka, Kazuki Kanazawa, Gen-ichi Danno, **Hitoshi Ashida**.
220. Decreased	共	2001年	*Japanese Journal*	Yutaka Hatanaka, Dai Nakae, Mamoru Mutai, Kaoru Hashizume,

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expression of Bcl-x protein during hepatocarcinogenesis induced exogenously and endogenously in rats. (査読付)			*of Cancer Research*, 92, 1270-1277.	Yuki Kamihara, Noriaki Kinoshita, Yoichi Tani, Gen-ichi Danno, Shigeo Ohta, Yoichi Konishi, **Hitoshi Ashida**.
221. The heterocyclic amine, 3-amino-1,4-dimethyl-5H-pyrido[4,3-b] indole induces apoptosis in cocultures of rat parenchymal and nonparenchymal liver cells. (査読付)	共	2001年	*Toxicology and Applied Pharmacology*, 177, 59-67.	**Hitoshi Ashida**, Kaori Kihara, Yuji Nonaka, Itsuko Fukuda, Bunsyo Shiotani, Takashi Hashimoto.
222. Antitumor polysaccharides from edible medicinal mushrooms and immunomodulating action against murine macrophages. (査読付)	共	2001年	*International Journal of Medicinal Mushrooms*, 3, 355-360.	Masashi Mizuno, Sachiko Kawakami, Takashi Hashimoto, **Hitoshi Ashida**, Ken-ichiro Minato.
223. 3-Amino-1,4-dimethyl-5H-pyrido [4,3-b]indole (Trp-P-1) induces caspase dependent apoptosis in rat mononuclear cells. (査読付)	共	2001年	*Biochimica et Biophysica Acta, Molecular Cell Research*, 1539, 44-57.	Takashi Hashimoto, **Hitoshi Ashida**, Takashi Sano, Takashi Furuyashiki, Yutaka Hatanaka, Ken-ichiro Minato, Masashi Mizuno, Keiichi Nomura, Atsushi Kumatori, Kazuki Kanazawa, Gen-ichi Danno.
224. DNA-damaging carcinogen 3-amino-1,4-dimethyl-5H-pyrido[4,3-b] indole (Trp-P-1) induces apoptosis via caspase-9 in primary cultured rat hepatocytes. (査読付)	共	2001年	*Carcinogenesis*, 22, 693-700.	Bunsyo Shiotani, Yuji Nonaka, Takashi Hashimoto, Kaori Kihara, Kazuki Kanazawa, Gen-ichi Danno, **Hitoshi Ashida**.
225. 3-Amino-1,4-dimethyl-5H-pyrido [4,3-b]indole (Trp-P-1) induces apoptosis in rat splenocytes and thymocytes with different mechanisms. (査読付)	共	2000年	*Mutation Research, Fundamental and Molecular Mechanisms of Mutagenesis*, 457, 57-67.	Takashi Hashimoto, **Hitoshi Ashida**, Takashi Sano, Takashi Furuyashiki, Bunsyo Shiotani, Kazuki Kanazawa, Gen-ichi Danno.
226. Suppressive effects of flavonoids on	単	2000年	*BioFactors*, 12, 201-206.	**Hitoshi Ashida**.

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dioxin toxicity. (査読付)				
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研究業績等に関する事項				
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3 学術論文				
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238.Dietary hydroperoxides of linoleic acid decompose to aldehydes in stomach before being absorbed into the body.（査読付）	共	1998年	*Biochimica et Biophysica Acta, Lipids and Lipid Metabolism*, 1393, 349-361.	Kazuki Kanazawa,**Hitoshi Ashida**.
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3 学術論文				
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254. Relationship	共	1991年	*Agricultural*	**Hitoshi Ashida**, Kazuki Kanazawa, Gen-ichi Danno.

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259. Autoxidizing process interaction of linoleic acid with casein.（査読付）	共	1988年	*Journal of Food Science*, 52, 475-478.	Kazuki Kanazawa, **Hitoshi Ashida**, Masato Natake.
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3 学術論文				
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１．学会ゲストスピーカー				
２．学会発表				
３．総説				
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11.フラボノイド類のグルコーストランスポーターを介した血糖値調節作用につい	共	2013年	*Foods and Food Ingredients Journal of Japan, FFIジャー*	山下陽子, **芦田均**.

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３．総説				
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13. ポリフェノールによるグルコーストランスポーターの機能調節.	共	2012年	*ビタミン*, 86, 163-173.	山下陽子, 山本憲朗, **芦田均**.
14. Dietary flavonoids as cancer-preventive biofactors.（査読有）	共	2011年	*Frontiers in Bioscience*, 3, 1332-1362.	Shin Nishiumi, Shingo Miyamoto, Kyuichi Kawabata, Kohta Ohnishi, Rie Mukai, Akira Murakami, **Hitoshi Ashida**, Junji Terao.
15. An update on the dietary ligands of the AhR.（査読有）	共	2008年	*Expert Opinion of Drug Metabolism and Toxicology*, 4, 1429-1447.	**Hitoshi Ashida**, Shin Nishiumi, Itsuko Fukuda.
16. ダイオキシン類の生物学的超微量測定法.	共	2008年	*検査技術*, 13, 15-20, 2008.	福田伊津子, **芦田均**.
17. Multitargeted cancer prevention by quercetin.（査読有）	共	2008年	*Cancer Letter*, 269, 315-325.	Akira Murakami, **Hitoshi Ashida**, Junji Terao.
18. 機能性ポリフェノール	共	2006年	*化学と生物*, 46, 649-657.	寺尾純二, **芦田均**.
19. カテキンのダイオキシン毒性予防作用	共	2004年	*生物工学会誌*, 82, 477-480.	福田伊津子, **芦田均**.
20. ダイオキシン毒を抑える食品	共	2001年	*New Food Industry*, 43, 39-44.	金沢和樹, **芦田均**.
21. ダイオキシンの毒性発現メカニズム	単	2000年	*食品衛生学会誌*, 41, J311-J315.	**芦田均**.
４．芸術（建築模型等含む）・スポーツ分野の業績				
５．報告発表・翻訳・編集・座談会・討論・発表等				
６．研究費の取得状況				

学会及び社会における活動等	
年月日	事項
	元、岐阜県 研究課題外部評価員 元、兵庫県 アグリビジネス創出支援事業審査委員長 元、兵庫県 「農」イノベーションひょうご審査委員長 元、独立行政法人科学技術振興機構（JST） A-STEP評価委員 元、国立研究開発法人農業・食品産業技術総合研究機構生物系特定産業技術研究支援センター、審査員、評議委員 日本学術振興会 科学研究費補助金審査員 元、日本学術振興会 博士課程教育リーディングプログラム評価委、 丹波黒振興協議会、会長 兵庫県食の安全・安心、食育審議会、会長 NPO法人近畿バイオインダストリー振興会議、生活習慣病予防のための機能性食品開発に関する研究会委

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6．研究費の取得状況	
	員 日本学術振興会 R 021 食と未病マーカー産学協力委員会委員 PLoS One, 元Academic Editor Journal of Agricultural Food Chemistry, Editorial Advisory Board Member Food & Function Advisory Board Member NPO法人 日本メディカルハーブ協会会員 日本香辛料研究会正会員 日本カテキン学会正会員 日本分子生物学会正会員 日本癌学会正会員 日本生物工学会正会員 英国王立化学会正会員、フェロー 日本動物細胞工学会正会員、代議員 日本食品科学工学会正会員、英文誌編集委員 The International Union of Food Science and Technology-Japan会員、理事 日本食品分析学会正会員、理事 日本ポリフェノール学会正会員、理事 日本酸化ストレス学会正会員、理事、評議員 日本フードファクター学会名誉会員 日本農芸化学会正会員、評議員 日本栄養・食糧学会正会員、代表理事・会長