

Index of Subjects

Acute-phase response

Changes in protein distribution in normal and protein-deficient rats during an acute-phase 'injury' response. 76, 123, 1996

Amines

The influence of ammonia, biogenic amines and γ -aminobutyric acid on grass silage intake in sheep. 76, 347, 1996

Amino acids

The fate of absorbed and exogenous ammonia as influenced by forage or forage-concentrate diets in growing sheep. 76, 231, 1996

Splanchnic-bed transfers of amino acids in sheep blood and plasma, as monitored through use of a multiple U-¹³C-labelled amino acid mixture (Corrigenda). 76, 319, 1996

The effect of condensed tannins from heated and unheated cottonseed on the ileal digestibility of amino acids for the growing rat and pig. 76, 359, 1996

Microbial amino acid synthesis and utilization in rats: incorporation of ¹⁵N from ¹⁵NH₄Cl into lysine in the tissues of germ-free and conventional rats. 76, 689, 1996

Microbial amino acid synthesis and utilization in rats: the role of coprophagy. 76, 701, 1996

The effects of excessive amounts of protein on lysine utilization in growing pigs. 76, 743, 1996

[³H]-*p*-aminohippuric acid

Effects of feeding and short-term fasting on water and electrolyte turnover in female mink (*Mustela vison*). 76, 711, 1996

Ammonia

Conversion of [¹⁵N]ammonia into urea and amino acids in humans and the effect of nutritional status. 76, 491, 1996

Anaemia

Iron nutrition and anaemia in a malaria-endemic environment: haematological investigation of the Gidra-speaking population in lowland Papua New Guinea. 76, 333, 1996

Animal model

Boiled coffee fails to raise serum cholesterol in hamsters and rats. 76, 755, 1996

Anorexia nervosa

Body composition in female anorexia nervosa patients. 76, 639, 1996

Anthropometry

The growth and nutritional status of healthy Asian children aged 4–40 months living in Sheffield. 76, 183, 1996

Body composition in female anorexia nervosa patients. 76, 639, 1996

Antioxidants

Dietary supplementation with carotenoids: effects on α -tocopherol levels and susceptibility of tissues to oxidative stress. 76, 307, 1996

Apolipoproteins

Diets deficient in selenium and vitamin E affect plasma lipoprotein and apolipoprotein concentrations in the rat. 76, 899, 1996

Appreciation

Hamish Nisbet Munro 76, 3, 1996
Alice Mary Copping. 76, 161, 1996

Arachidonic acid

The relationships between dietary α -linolenic: linoleic acid and rat platelet eicosapentaenoic and arachidonic acids. 76, 447, 1996

Influence of feeding artificial-formula milks containing docosahexaenoic and arachidonic acids on the postnatal long-chain polyunsaturated fatty acid status of healthy preterm infants. 76, 649, 1996

Artificial-formula milk

Influence of feeding artificial-formula milks containing docosahexaenoic and arachidonic acids on the postnatal long-chain polyunsaturated fatty acid status of healthy preterm infants. 76, 649, 1996

Asian children

The growth and nutritional status of healthy Asian children aged 4–40 months living in Sheffield. 76, 183, 1996

Average daily metabolic rate

Energy expenditure and physical activity in subjects consuming full- or reduced-fat products as part of their normal diet. 76, 785, 1996

Barley

Substrates available for colonic fermentation from oat, barley and wheat bread diets. A study in ileostomy subjects. 76, 797, 1996

 β -Carotene

Vitamin A and carotenoid status in rural China. 76, 809, 1996

Bile

Copper homeostasis in rats fed on a high-sulphide diet. 76, 909, 1996

Bioelectrical impedance

The validity of predicted body composition in Chinese adults from anthropometry and bioelectrical impedance in comparison with densitometry. 76, 175, 1996

Multi-frequency bioelectric impedance measurements for predicting body water compartments in patients with non-ascitic liver cirrhosis. 76, 325, 1996

Blood

Effect of food composition on vitamin K absorption in human volunteers. 76, 223, 1996

Body composition

The validity of predicted body composition in Chinese adults from anthropometry and bio-electrical impedance in comparison with densitometry. 76, 175, 1996

The effect of phytohaemagglutinin at different dietary concentrations on the growth, body composition and plasma insulin of the rat. 76, 613, 1996

Body composition in female anorexia nervosa patients. 76, 639, 1996

Body mass index

Maximal voluntary contraction as a functional indicator of adult chronic undernutrition. 76, 9, 1996

Bone

Effects of supplemental phytase and phosphorus on histological, mechanical and chemical traits of tibia and performance of turkeys fed on soyabean-meal-based semi-purified diets high in phytate phosphorus. 76, 263, 1996

Book review

Nutrition and Feeding of Poultry. 76, 471, 1996

Breakfast

The contribution of breakfast to the diets of a sample of 136 primary-schoolchildren in Edinburgh (Corrigendum). 76, 915, 1996

Breath hydrogen

Fate of fructo-oligosaccharides in the human intestine. 76, 211, 1996

Ca²⁺-ATPase

Role of thyroid hormones in early postnatal development of skeletal muscle and its implications for undernutrition. 76, 841, 1996

Caecum

Increases in calcium absorption with ingestion of soluble dietary fibre, guar-gum hydrolysate, depend on the caecum in partially nephrectomized and normal rats. 76, 773, 1996

Calcium

Effect of dietary calcium intake and meal calcium content on calcium absorption in the rat. 76, 463, 1996

Increases in calcium absorption with ingestion of soluble dietary fibre, guar-gum hydrolysate, depend on the caecum in partially nephrectomized and normal rats. 76, 773, 1996

The effect of long-term calcium supplementation on indices of iron, zinc and magnesium status in lactating Gambian women. 76, 821, 1996

Carbohydrate

The effects of condensed tannins from *Desmodium intortum* and *Calliandra calothyrsus* on protein and carbohydrate digestion in sheep and goats. 76, 515, 1996

Energy expenditure and physical activity in subjects consuming full- or reduced-fat products as part of their normal diet. 76, 785, 1996

 γ -Carboxyglutamate

Effect of food composition on vitamin K absorption in human volunteers. 76, 223, 1996

Carnivores

Effects of feeding and short-term fasting on water and electrolyte turnover in female mink (*Mustela vison*). 76, 711, 1996

Carotenoids

Dietary supplementation with carotenoids: effects on α -tocopherol levels and susceptibility of tissues to oxidative stress. 76, 307, 1996

Childhood

Dietary supplementation and rapid catch-up growth after acute diarrhoea in childhood. 76, 479, 1996

Chitosan

Hypolipidaemic, gastrointestinal and related responses of broiler chickens to chitosans of different viscosity. 76, 387, 1996

Cholesterol

Influence of orally and rectally administered propionate on cholesterol and glucose metabolism in obese rats. 76, 287, 1996

Effects of a mixture of organisms, *Lactobacillus acidophilus* or *Streptococcus faecalis* on cholesterol metabolism in rats fed on a fat- and cholesterol-enriched diet. 76, 857, 1996

Diets deficient in selenium and vitamin E affect plasma lipoprotein and apolipoprotein concentrations in the rat. 76, 899, 1996

Chronic energy deficiency

Maximal voluntary contraction as a functional indicator of adult chronic undernutrition. 76, 9, 1996

Chylomicrons

Modification of the fatty acid composition of dietary oils and fats on incorporation into chylomicrons and chylomicron remnants. 76, 435, 1996

Coffee

Boiled coffee fails to raise serum cholesterol in hamsters and rats. 76, 755, 1996

Colon

Does chronic supplementation of the diet with dietary fibre extracted from pea or carrot affect colonic motility in man? 76, 51, 1996

Fate of fructo-oligosaccharides in the human intestine. 76, 211, 1996

Condensed tannins

The effect of condensed tannins from heated and unheated cottonseed on the ileal digestibility of amino acids for the growing rat and pig. 76, 359, 1996

Digestion of ¹⁴C-labelled condensed tannins from *Desmodium intortum* in sheep and goats. 76, 501, 1996

The effects of condensed tannins from *Desmodium intortum* and *Calliandra calothyrsus* on protein and carbohydrate digestion in sheep and goats. 76, 515, 1996

The effect of condensed tannins in *Lotus pedunculatus* on the solubilization and degradation of ribulose-1,5-bisphosphate carboxylase (EC 4.1.1.39; Rubisco) protein in the rumen and the sites of Rubisco digestion. 76, 535, 1996

Contraceptive pill

Urea kinetics in healthy young women: minimal effect of stage of menstrual cycle, contraceptive pill and protein intake. 76, 199, 1996

Copper

Copper homeostasis in rats fed on a high-sulphide diet. 76, 909, 1996

Coprophagy

Microbial amino acid synthesis and utilization in rats: the role of coprophagy. 76, 701, 1996

Corrigenda

Splanchnic-bed transfers of amino acids in sheep blood and plasma, as monitored through use of a multiple U-¹³C-labelled amino acid mixture (Corrigenda). 76, 319, 1996

Energy and nutrient intakes in a sample of 136 Edinburgh 7-8 year olds: a comparison with United Kingdom dietary reference values (Corrigendum). 76, 915, 1996

The contribution of breakfast to the diets of a sample of 136 primary-schoolchildren in Edinburgh (Corrigendum). 76, 915, 1996

Cottonseed

The effect of condensed tannins from heated and unheated cottonseed on the ileal digestibility of amino acids for the growing rat and pig. 76, 359, 1996

Crypt depth

Maintenance of villus height and crypt depth, and enhancement of disaccharide digestion and monosaccharide absorption, in piglets fed on cows' whole milk after weaning. 76, 409, 1996

Densitometry

The validity of predicted body composition in Chinese adults from anthropometry and bioelectrical impedance in comparison with densitometry. 76, 175, 1996

Body composition in female anorexia nervosa patients. 76, 639, 1996

Diabetes mellitus

Streptozotocin-induced diabetes lowers retinol-binding protein and transthyretin concentrations in rats. 76, 891, 1996

Diarrhoea

Dietary supplementation and rapid catch-up growth after acute diarrhoea in childhood. 76, 479, 1996

Dietary fat

Erythrocyte morphology and filterability in rats fed on diets containing different fats and oils. 76, 133, 1996

Modification of the fatty acid composition of dietary oils and fats on incorporation into chylomicrons and chylomicron remnants. 76, 435, 1996

Dietary fibre

Does chronic supplementation of the diet with dietary fibre extracted from pea or carrot affect colonic motility in man? 76, 51, 1996

Increases in calcium absorption with ingestion of soluble dietary fibre, guar-gum hydrolysate, depend on the caecum in partially nephrectomized and normal rats. 76, 773, 1996

Dietary intake

Energy and nutrient intakes in a sample of 136 Edinburgh 7-8 year olds: a comparison with United Kingdom dietary reference values (Corrigendum). 76, 915, 1996

Dietary nucleotides

Guest Editorial. Why are dietary nucleotides essential nutrients? 76, 475, 1996

Morphological changes in hepatocytes of rats deprived of dietary nucleotides. 76, 579, 1996

Dietary patterns

Dietary patterns and their associations with demographic, lifestyle and health variables in a random sample of British adults. 76, 17, 1996

Dietary protein

Mammary sensitivity to protein restriction and re-alimentation. 76, 423, 1996

Dietary supplementation

Dietary supplementation and rapid catch-up growth after acute diarrhoea in childhood. 76, 479, 1996

Digestibility

Hypolipidaemic, gastrointestinal and related responses of broiler chickens to chitosans of different viscosity. 76, 387, 1996

Application of agar-fill method to estimate compartment capacity of gastrointestinal tract in Syrian hamsters (*Mesocricetus auretus*). 76, 833, 1996

Digestive markers

Apparent ileal dry matter and crude protein digestibility of rations fed to pigs and determined with the use of chromic oxide (Cr₂O₃) and acid-insoluble ash as digestive markers. 76, 551, 1996

Docosahexaenoic acid

Influence of feeding artificial-formula milks containing docosahexaenoic and arachidonic acids on the postnatal long-chain polyunsaturated fatty acid status of healthy preterm infants. 76, 649, 1996

Editorial

New features in the *British Journal of Nutrition*. 76, 1, 1996

Nutritionists as guinea-pigs. 76, 157, 1996

Guest Editorial. Why are dietary nucleotides essential nutrients? 76, 475, 1996

Eicosapentaenoic acid

The relationships between dietary α -linolenic: linoleic acid and rat platelet eicosapentaenoic and arachidonic acids. 76, 447, 1996

Encephalomalacia

Phospholipid fatty acids of brain and liver are modified by α -tocopherol and dietary fat in growing chicks. 76, 109, 1996

Epidemiology

Food photography II: use of food photographs for estimating portion size and the nutrient content of meals. 76, 31, 1996

Epithelial proliferation rate

Tissue hypertrophy and epithelial proliferation rate in the gut of rats fed on bread and haricot beans (*Phaseolus vulgaris*). 76, 273, 1996

Erythrocytes

Erythrocyte morphology and filterability in rats fed on diets containing different fats and oils. 76, 133, 1996

Ethanol

The acute impact of ethanol on glucose, insulin, triacylglycerol, and free fatty acid responses and insulin sensitivity in type 2 diabetes. 76, 669, 1996

Exercise

Protein turnover rates of two human subjects during an unassisted crossing of Antarctica. 76, 165, 1996

Extracellular water

Multi-frequency bioelectric impedance measurements for predicting body water compartments in patients with non-ascitic liver cirrhosis. 76, 325, 1996

Fasting

Conversion of [¹⁵N]ammonia into urea and amino acids in humans and the effect of nutritional status. 76, 491, 1996

Fat intake

Energy expenditure and physical activity in subjects consuming full- or reduced-fat products as part of their normal diet. 76, 785, 1996

Fatty acids

Erythrocyte morphology and filterability in rats fed on diets containing different fats and oils. 76, 133, 1996

Modification of the fatty acid composition of dietary oils and fats on incorporation into chylomicrons and chylomicron remnants. 76, 435, 1996

Food photography

Food photography II: use of food photographs for estimating portion size and the nutrient content of meals. 76, 31, 1996

Free radicals

Dietary supplementation with carotenoids: effects on α -tocopherol levels and susceptibility of tissues to oxidative stress. 76, 307, 1996

Fructans

Involvement of lipogenesis in the lower VLDL secretion induced by oligofructose in rats. 76, 881, 1996

Fructo-oligosaccharides

Fate of fructo-oligosaccharides in the human intestine. 76, 211, 1996

Fructose

Changes in the concentration of fructose in the blood of piglets of different ages after doses of fructose, fructose plus glucose, and sucrose. 76, 399, 1996

Gallstones

Lithogenic diet and gallstone formation in mice: integrated response of activities of regulatory enzymes in hepatic cholesterol metabolism. 76, 765, 1996

Gastrointestinal microflora

Microbial amino acid synthesis and utilization in rats: incorporation of ¹⁵N from ¹⁵NH₄Cl into lysine in the tissues of germ-free and conventional rats. 76, 689, 1996

Microbial amino acid synthesis and utilization in rats: the role of coprophagy. 76, 701, 1996

Gastrointestinal tract

Application of agar-fill method to estimate compartment capacity of gastrointestinal tract in Syrian hamsters (*Mesocricetus auratus*). 76, 833, 1996

Germ-free rats

Microbial amino acid synthesis and utilization in rats: incorporation of ¹⁵N from ¹⁵NH₄Cl into lysine in the tissues of germ-free and conventional rats. 76, 689, 1996

Glucose

Influence of orally and rectally administered propionate on cholesterol and glucose metabolism in obese rats. 76, 287, 1996

Glutamine

Conversion of [¹⁵N]ammonia into urea and amino acids in humans and the effect of nutritional status. 76, 491, 1996

Glycaemic response

A new breakfast cereal containing guar gum reduces postprandial plasma glucose and insulin concentrations in normal-weight human subjects. 76, 63, 1996

Grass silage

The influence of ammonia, biogenic amines and γ -aminobutyric acid on grass silage intake in sheep. 76, 347, 1996

Growth

Dietary supplementation and rapid catch-up growth after acute diarrhoea in childhood. 76, 479, 1996

Organ-selective growth in the offspring of protein-restricted mothers. 76, 591, 1996

Guar gum

A new breakfast cereal containing guar gum reduces postprandial plasma glucose and insulin concentrations in normal-weight human subjects. 76, 63, 1996

Handgrip dynamometry

Maximal voluntary contraction as a functional indicator of adult chronic undernutrition. 76, 9, 1996

Haricot beans

Tissue hypertrophy and epithelial proliferation rate in the gut of rats fed on bread and haricot beans (*Phaseolus vulgaris*). 76, 273, 1996

Health

Dietary patterns and their associations with demographic, lifestyle and health variables in a random sample of British adults. 76, 17, 1996

Heat treatment

The effect of condensed tannins from heated and unheated cottonseed on the ileal digestibility of amino acids for the growing rat and pig. 76, 359, 1996

Hepatic cholesterol metabolism

Lithogenic diet and gallstone formation in mice: integrated response of activities of regulatory enzymes in hepatic cholesterol metabolism. 76, 765, 1996

Histology

Effects of supplemental phytase and phosphorus on histological, mechanical and chemical traits of tibia and performance of turkeys fed on soyabean-meal-based semi-purified diets high in phytate phosphorus. 76, 263, 1996

HMG-CoA reductase

Effects of a mixture of organisms, *Lactobacillus acidophilus* or *Streptococcus faecalis* on cholesterol metabolism in rats fed on a fat- and cholesterol-enriched diet. 76, 857, 1996

Hormones

The influence of dietary vitamin A on tri-iodothyronine, retinoic acid, and glucocorticoid receptors in liver of hypothyroid rats. 76, 295, 1996

Human milk

Influence of feeding artificial-formula milks containing docosahexaenoic and arachidonic acids on the postnatal long-chain polyunsaturated fatty acid status of healthy preterm infants. 76, 649, 1996

Ileal digestibility

The effect of condensed tannins from heated and unheated cottonseed on the ileal digestibility of amino acids for the growing rat and pig. 76, 359, 1996

Apparent ileal dry matter and crude protein digestibility of rations fed to pigs and determined with the use of chromic oxide (Cr_2O_3) and acid-insoluble ash as digestive markers. 76, 551, 1996

The effects of excessive amounts of protein on lysine utilization in growing pigs. 76, 743, 1996

Ileostomy

Substrates available for colonic fermentation from oat, barley and wheat bread diets. A study in ileostomy subjects. 76, 797, 1996

In vitro availability

In vitro availability of iron and zinc: effects of the type, concentration and fractions of digestion products of the protein. 76, 727, 1996

Injury

Changes in protein distribution in normal and protein-deficient rats during an acute-phase 'injury' response. 76, 123, 1996

Insulin

A new breakfast cereal containing guar gum reduces postprandial plasma glucose and insulin concentrations in normal-weight human subjects. 76, 63, 1996

The effect of phytohaemagglutinin at different dietary concentrations on the growth, body composition and plasma insulin of the rat. 76, 613, 1996

The acute impact of ethanol on glucose, insulin, triacylglycerol, and free fatty acid responses and insulin sensitivity in type 2 diabetes. 76, 669, 1996

Intestine

The gastro-ileal digestion of ^{15}N -labelled pea nitrogen in adult humans. 76, 75, 1996

Influence of oat saponins on intestinal permeability *in vitro* and *in vivo* in the rat. 76, 141, 1996

Polyamine and intestinal properties in adult rats. 76, 627, 1996

Iron

Iron nutrition and anaemia in a malaria-endemic environment: haematological investigation of the Gidra-speaking population in lowland Papua New Guinea. 76, 333, 1996

Improved zinc and iron absorption from breakfast meals containing malted oats with reduced phytate content. 76, 677, 1996

In vitro availability of iron and zinc: effects of the type, concentration and fractions of digestion products of the protein. 76, 727, 1996

Lactation

Mammary sensitivity to protein restriction and re-alimentation. 76, 423, 1996

The effect of long-term calcium supplementation on indices of iron, zinc and magnesium status in lactating Gambian women. 76, 821, 1996

Lactobacillus acidophilus

Effects of a mixture of organisms, *Lactobacillus acidophilus* or *Streptococcus faecalis* on cholesterol metabolism in rats fed on a fat- and cholesterol-enriched diet. 76, 857, 1996

Leucine

The fate of absorbed and exogenous ammonia as influenced by forage or forage-concentrate diets in growing sheep. 76, 231, 1996

Lifestyle

Dietary patterns and their associations with demographic, lifestyle and health variables in a random sample of British adults. 76, 17, 1996

 α -Linolenic acid:Linoleic acid ratio

The relationships between dietary α -linolenic:linoleic acid and rat platelet eicosapentaenoic and arachidonic acids. 76, 447, 1996

Lipids

Phospholipid fatty acids of brain and liver are modified by α -tocopherol and dietary fat in growing chicks. 76, 109, 1996

Nutrition in pregnant or lactating rats programs lipid metabolism in the offspring. 76, 605, 1996

Lipogenesis

Involvement of lipogenesis in the lower VLDL secretion induced by oligofructose in rats. 76, 881, 1996

Lipoprotein lipase

Olive oil and rapeseed oil differ in their effect on plasma low-density lipoprotein metabolism in the guinea-pig. 76, 869, 1996

Lipoproteins

Diets deficient in selenium and vitamin E affect plasma lipoprotein and apolipoprotein concentrations in the rat. 76, 899, 1996

Lithogenic diet

Lithogenic diet and gallstone formation in mice: integrated response of activities of regulatory enzymes in hepatic cholesterol metabolism. 76, 765, 1996

Liver

- Splanchnic-bed transfers of amino acids in sheep blood and plasma, as monitored through use of a multiple U-¹³C-labelled amino acid mixture (Corrigenda). 76, 319, 1996
- Multi-frequency bioelectric impedance measurements for predicting body water compartments in patients with non-ascitic liver cirrhosis. 76, 325, 1996
- Morphological changes in hepatocytes of rats deprived of dietary nucleotides. 76, 579, 1996
- Involvement of lipogenesis in the lower VLDL secretion induced by oligofructose in rats. 76, 881, 1996

Livestock feed

- The nutritive value of stackburned yellow maize for livestock: tests *in vitro* and in broiler chicks. 76, 97, 1996

Low-density lipoprotein

- Olive oil and rapeseed oil differ in their effect on plasma low-density lipoprotein metabolism in the guinea-pig. 76, 869, 1996

Lysine

- The effects of excessive amounts of protein on lysine utilization in growing pigs. 76, 743, 1996

Maize

- The nutritive value of stackburned yellow maize for livestock: tests *in vitro* and in broiler chicks. 76, 97, 1996
- Replacement of inorganic phosphorus by microbial phytase for young pigs fed on a maize-soyabean-meal diet. 76, 563, 1996

Malaria

- Iron nutrition and anaemia in a malaria-endemic environment: haematological investigation of the Gidra-speaking population in lowland Papua New Guinea. 76, 333, 1996

Malic acid

- Mode of action of the yeast *Saccharomyces cerevisiae* as a feed additive for ruminants. 76, 249, 1996

Mammary gland

- Mammary sensitivity to protein restriction and re-alimentation. 76, 423, 1996

Maternal diet

- Organ-selective growth in the offspring of protein-restricted mothers. 76, 591, 1996
- Nutrition in pregnant or lactating rats programs lipid metabolism in the offspring. 76, 605, 1996

Maximal voluntary contraction

- Maximal voluntary contraction as a functional indicator of adult chronic undernutrition. 76, 9, 1996

Menstrual cycle

- Urea kinetics in healthy young women: minimal effect of stage of menstrual cycle, contraceptive pill and protein intake. 76, 199, 1996

Microbial amino acid absorption

- Microbial amino acid synthesis and utilization in rats: incorporation of ¹⁵N from ¹⁵NH₄Cl into lysine in the tissues of germ-free and conventional rats. 76, 689, 1996

Minerals

- The effect of long-term calcium supplementation on indices of iron, zinc and magnesium status in lactating Gambian women. 76, 821, 1996

Muscle

- The effect of phytohaemagglutinin at different dietary concentrations on the growth, body composition and plasma insulin of the rat. 76, 613, 1996
- Role of thyroid hormones in early postnatal development of skeletal muscle and its implications for undernutrition. 76, 841, 1996

Na⁺,K⁺-ATPase

- Role of thyroid hormones in early postnatal development of skeletal muscle and its implications for undernutrition. 76, 841, 1996

Neurotransmitters

- Crude protein and supplemental dietary tryptophan effects on growth and tissue neurotransmitter levels in the broiler chicken. 76, 87, 1996

Nitrogen metabolism

- The fate of absorbed and exogenous ammonia as influenced by forage or forage-concentrate diets in growing sheep. 76, 231, 1996
- Utilization of endogenous and dietary urea in the large intestine of the mature horse. 76, 373, 1996

Non-insulin-dependent diabetes mellitus

- The acute impact of ethanol on glucose, insulin, triacylglycerol, and free fatty acid responses and insulin sensitivity in type 2 diabetes. 76, 669, 1996

Nuclear receptors

- The influence of dietary vitamin A on triiodothyronine, retinoic acid, and glucocorticoid receptors in liver of hypothyroid rats. 76, 295, 1996

Nutrient intake

- The contribution of breakfast to the diets of a sample of 136 primary-schoolchildren in Edinburgh (Corrigendum). 76, 915, 1996

Nutrition value

- The nutritive value of stackburned yellow maize for livestock: tests *in vitro* and in broiler chicks. 76, 97, 1996

Nutritional programming

- Organ-selective growth in the offspring of protein-restricted mothers. 76, 591, 1996
- Nutrition in pregnant or lactating rats programs lipid metabolism in the offspring. 76, 605, 1996

Nutritional status

- The growth and nutritional status of healthy Asian children aged 4-40 months living in Sheffield. 76, 183, 1996

Oats

- Influence of oat saponins on intestinal permeability *in vitro* and *in vivo* in the rat. 76, 141, 1996
- Improved zinc and iron absorption from breakfast meals containing malted oats with reduced phytate content. 76, 677, 1996
- Substrates available for colonic fermentation from oat, barley and wheat bread diets. A study in ileostomy subjects. 76, 797, 1996

- Osmotic pumps**
Effects of feeding and short-term fasting on water and electrolyte turnover in female mink (*Mustela vison*). 76, 711, 1996
- Phosphorus**
Effects of supplemental phytase and phosphorus on histological, mechanical and chemical traits of tibia and performance of turkeys fed on soyabean-meal-based semi-purified diets high in phytate phosphorus. 76, 263, 1996
Replacement of inorganic phosphorus by microbial phytase for young pigs fed on a maize-soyabean-meal diet. 76, 563, 1996
- Phylloquinone**
Effect of food composition on vitamin K absorption in human volunteers. 76, 223, 1996
- Physical activity**
Energy expenditure and physical activity in subjects consuming full- or reduced-fat products as part of their normal diet. 76, 785, 1996
- Phytase**
Effects of supplemental phytase and phosphorus on histological, mechanical and chemical traits of tibia and performance of turkeys fed on soyabean-meal-based semi-purified diets high in phytate phosphorus. 76, 263, 1996
Replacement of inorganic phosphorus by microbial phytase for young pigs fed on a maize-soyabean-meal diet. 76, 563, 1996
- Phytate**
Improved zinc and iron absorption from breakfast meals containing malted oats with reduced phytate content. 76, 677, 1996
- Phytohaemagglutinin**
The effect of phytohaemagglutinin at different dietary concentrations on the growth, body composition and plasma insulin of the rat. 76, 613, 1996
- Plasma**
Hypolipidaemic, gastrointestinal and related responses of broiler chickens to chitosans of different viscosity. 76, 387, 1996
The effect of phytohaemagglutinin at different dietary concentrations on the growth, body composition and plasma insulin of the rat. 76, 613, 1996
- Platelets**
The relationships between dietary α -linolenic: linoleic acid and rat platelet eicosapentaenoic and arachidonic acids. 76, 447, 1996
- Polyamines**
Polyamine and intestinal properties in adult rats. 76, 627, 1996
- Preterm infant**
Influence of feeding artificial-formula milks containing docosahexaenoic and arachidonic acids on the postnatal long-chain polyunsaturated fatty acid status of healthy preterm infants. 76, 649, 1996
- Probiotics**
Mode of action of the yeast *Saccharomyces cerevisiae* as a feed additive for ruminants. 76, 249, 1996
- Effects of a mixture of organisms, *Lactobacillus acidophilus* or *Streptococcus faecalis* on cholesterol metabolism in rats fed on a fat- and cholesterol-enriched diet. 76, 857, 1996
- Propionate**
Influence of orally and rectally administered propionate on cholesterol and glucose metabolism in obese rats. 76, 287, 1996
- Protein**
Crude protein and supplemental dietary tryptophan effects on growth and tissue neurotransmitter levels in the broiler chicken. 76, 87, 1996
The effects of condensed tannins from *Desmodium intortum* and *Calliandra calothyrsus* on protein and carbohydrate digestion in sheep and goats. 76, 515, 1996
- Protein deficiency**
Changes in protein distribution in normal and protein-deficient rats during an acute-phase 'injury' response. 76, 123, 1996
- Protein digestion**
In vitro availability of iron and zinc: effects of the type, concentration and fractions of digestion products of the protein. 76, 727, 1996
- Protein intake**
Urea kinetics in healthy young women: minimal effect of stage of menstrual cycle, contraceptive pill and protein intake. 76, 199, 1996
The effects of excessive amounts of protein on lysine utilization in growing pigs. 76, 743, 1996
- Protein metabolism**
Splanchnic-bed transfers of amino acids in sheep blood and plasma, as monitored through use of a multiple U-¹³C-labelled amino acid mixture (Corrigenda). 76, 319, 1996
- Protein turnover**
Protein turnover rates of two human subjects during an unassisted crossing of Antarctica. 76, 165, 1996
- Rapeseed oil**
Olive oil and rapeseed oil differ in their effect on plasma low-density lipoprotein metabolism in the guinea-pig. 76, 869, 1996
- Respiratory infection**
Flavin metabolism during respiratory infection in mice. 76, 453, 1996
- Retention time**
Application of agar-fill method to estimate compartment capacity of gastrointestinal tract in Syrian hamsters (*Mesocricetus auretus*). 76, 833, 1996
- Retinol**
The influence of dietary vitamin A on triiodothyronine, retinoic acid, and glucocorticoid receptors in liver of hypothyroid rats. 76, 295, 1996
Vitamin A and carotenoid status in rural China. 76, 809, 1996
- Retinol-binding protein**
Vitamin A and carotenoid status in rural China. 76, 809, 1996
Streptozotocin-induced diabetes lowers retinol-binding protein and transthyretin concentrations in rats. 76, 891, 1996

Riboflavin

Flavin metabolism during respiratory infection in mice. 76, 453, 1996

Ribulose-1,5-bisphosphate carboxylase

The effect of condensed tannins in *Lotus pedunculatus* on the solubilization and degradation of ribulose-1,5-bisphosphate carboxylase (EC 4.1.1.39; Rubisco) protein in the rumen and the sites of Rubisco digestion. 76, 535, 1996

Rumen

The effect of condensed tannins in *Lotus pedunculatus* on the solubilization and degradation of ribulose-1,5-bisphosphate carboxylase (EC 4.1.1.39; Rubisco) protein in the rumen and the sites of Rubisco digestion. 76, 535, 1996

Saccharomyces cerevisiae

Mode of action of the yeast *Saccharomyces cerevisiae* as a feed additive for ruminants. 76, 249, 1996

Saponins

Influence of oat saponins on intestinal permeability *in vitro* and *in vivo* in the rat. 76, 141, 1996

Schoolchildren

The contribution of breakfast to the diets of a sample of 136 primary-schoolchildren in Edinburgh (Corrigendum). 76, 915, 1996

Energy and nutrient intakes in a sample of 136 Edinburgh 7-8 year olds: a comparison with United Kingdom dietary reference values (Corrigendum). 76, 915, 1996

Selenium: Vitamin E

Diets deficient in selenium and vitamin E affect plasma lipoprotein and apolipoprotein concentrations in the rat. 76, 899, 1996

Serum cholesterol

Boiled coffee fails to raise serum cholesterol in hamsters and rats. 76, 755, 1996

Short-chain fatty acids

Fate of fructo-oligosaccharides in the human intestine. 76, 211, 1996

Tissue hypertrophy and epithelial proliferation rate in the gut of rats fed on bread and haricot beans (*Phaseolus vulgaris*). 76, 273, 1996

Soyabean

Replacement of inorganic phosphorus by microbial phytase for young pigs fed on a maize-soyabean-meal diet. 76, 563, 1996

Spermidine

Polyamine and intestinal properties in adult rats. 76, 627, 1996

Spermine

Polyamine and intestinal properties in adult rats. 76, 627, 1996

Stable isotopes

The gastro-ileal digestion of ¹⁵N-labelled pea nitrogen in adult humans. 76, 75, 1996

The fate of absorbed and exogenous ammonia as influenced by forage or forage-concentrate diets in growing sheep. 76, 231, 1996

Splanchnic-bed transfers of amino acids in sheep blood and plasma, as monitored through use of a multiple U-¹³C-labelled amino acid mixture (Corrigenda). 76, 319, 1996

Streptococcus faecalis

Effects of a mixture of organisms, *Lactobacillus acidophilus* or *Streptococcus faecalis* on cholesterol metabolism in rats fed on a fat- and cholesterol-enriched diet. 76, 857, 1996

Streptozotocin

Streptozotocin-induced diabetes lowers retinol-binding protein and transthyretin concentrations in rats. 76, 891, 1996

Sucrose

Changes in the concentration of fructose in the blood of piglets of different ages after doses of fructose, fructose plus glucose, and sucrose. 76, 399, 1996

Sugars

Maintenance of villus height and crypt depth, and enhancement of disaccharide digestion and monosaccharide absorption, in piglets fed on cows' whole milk after weaning. 76, 409, 1996

Sulphide

Copper homeostasis in rats fed on a high-sulphide diet. 76, 909, 1996

Survey methodology

Food photography II: use of food photographs for estimating portion size and the nutrient content of meals. 76, 31, 1996

Tannins

Digestion of ¹⁴C-labelled condensed tannins from *Desmodium intortum* in sheep and goats. 76, 501, 1996

Thyroid

Role of thyroid hormones in early postnatal development of skeletal muscle and its implications for undernutrition. 76, 841, 1996

Tissue hypertrophy

Tissue hypertrophy and epithelial proliferation rate in the gut of rats fed on bread and haricot beans (*Phaseolus vulgaris*). 76, 273, 1996

Total body water

Multi-frequency bioelectric impedance measurements for predicting body water compartments in patients with non-ascitic liver cirrhosis. 76, 325, 1996

Transthyretin

Streptozotocin-induced diabetes lowers retinol-binding protein and transthyretin concentrations in rats. 76, 891, 1996

Tryptophan

Crude protein and supplemental dietary tryptophan effects on growth and tissue neurotransmitter levels in the broiler chicken. 76, 87, 1996

Undernutrition

Protein turnover rates of two human subjects during an unassisted crossing of Antarctica. 76, 165, 1996

Role of thyroid hormones in early postnatal development of skeletal muscle and its implications for undernutrition. 76, 841, 1996

Underwater weighing

Body composition in female anorexia nervosa patients. 76, 639, 1996

Urea

- Urea kinetics in healthy young women: minimal effect of stage of menstrual cycle, contraceptive pill and protein intake. 76, 199, 1996
- Utilization of endogenous and dietary urea in the large intestine of the mature horse. 76, 373, 1996
- Conversion of [¹⁵N]ammonia into urea and amino acids in humans and the effect of nutritional status. 76, 491, 1996

Urine collection

- Effects of feeding and short-term fasting on water and electrolyte turnover in female mink (*Mustela vison*). 76, 711, 1996

Vegetable consumption

- Vitamin A and carotenoid status in rural China. 76, 809, 1996

Vegetable protein

- The gastro-ileal digestion of ¹⁵N-labelled pea nitrogen in adult humans. 76, 75, 1996

Very-low-density lipoproteins

- Involvement of lipogenesis in the lower VLDL secretion induced by oligofructose in rats. 76, 881, 1996

Villus height

- Maintenance of villus height and crypt depth, and enhancement of disaccharide digestion and monosaccharide absorption, in piglets fed on cows' whole milk after weaning. 76, 409, 1996

Viscosity

- Hypolipidaemic, gastrointestinal and related responses of broiler chickens to chitosans of different viscosity. 76, 387, 1996

Vitamin A

- Vitamin A and carotenoid status in rural China. 76, 809, 1996
- Streptozotocin-induced diabetes lowers retinol-binding protein and transthyretin concentrations in rats. 76, 891, 1996

Vitamin E

- Phospholipid fatty acids of brain and liver are modified by α -tocopherol and dietary fat in growing chicks. 76, 109, 1996
- Dietary supplementation with carotenoids: effects on α -tocopherol levels and susceptibility of tissues to oxidative stress. 76, 307, 1996

Vitamin K

- Effect of food composition on vitamin K absorption in human volunteers. 76, 223, 1996

Voluntary intake

- The influence of ammonia, biogenic amines and γ -aminobutyric acid on grass silage intake in sheep. 76, 347, 1996

Yeast

- Mode of action of the yeast *Saccharomyces cerevisiae* as a feed additive for ruminants. 76, 249, 1996

Zinc

- Improved zinc and iron absorption from breakfast meals containing malted oats with reduced phytate content. 76, 677, 1996
- In vitro* availability of iron and zinc: effects of the type, concentration and fractions of digestion products of the protein. 76, 727, 1996