

Index of Subjects

- Acyl CoA: retinol acyltransferase**
The activity of acyl CoA: retinol acyltransferase in the rat: variation with vitamin A status. 51, 245, 1984
- Adipocyte volume**
The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 1. Superficial and intra-abdominal sites. 51, 415, 1984
The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 2. Intermuscular sites. 51, 425, 1984
- Adipose tissue**
Maternal adipose tissue response to nicotine administration in the pregnant rat: effects on fetal body fat and cellularity. 51, 7, 1984
- Alkali-treated straw**
Effects of alkali treatment of wheat straw on intake and microbial protein synthesis in cattle. 51, 289, 1984
- Amino acid excretion**
Influence of caecectomy and source of dietary fibre or starch on excretion of endogenous amino acids by laying hens. 51, 541, 1984
- Anthropometry**
Anthropometric norms in the elderly. 51, 165, 1984
- Antibiotics**
The effect of protein quality and fibre level in the diet and microbial activity in the digestive tract on protein utilization and energy digestibility in rats. 51, 305, 1984
- Arachidonic acid**
Linoleic acid and arachidonic acid metabolism in human peripheral blood leucocytes: comparison with the rat. 51, 209, 1984
- ATP**
The energy equivalents of ATP and the energy value of food proteins and fats. 51, 15, 1984
- Bacon Chow study**
The Bacon Chow study: effect of nutritional supplementation on maternal weight and skinfold thicknesses during pregnancy and lactation. 51, 357, 1984
- Bile acids**
Alteration of regression of cholesterol accumulation in rats by dietary pectin. 51, 339, 1984
- Body composition**
Energy metabolism and body composition of young pigs given low-protein diets. 51, 225, 1984
- Body fatness**
The effect of body fatness on energetic efficiency and fasting heat production in adult sheep. 51, 297, 1984
The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 1. Superficial and intra-abdominal sites. 51, 415, 1984
- Caecectomy**
Influence of caecectomy and source of dietary fibre or starch on excretion of endogenous amino acids by laying hens. 51, 541, 1984
- 'Cafeteria' feeding**
High efficiency of energy utilization in 'cafeteria'- and force-fed rats kept at 29°. 51, 379, 1984
- Calcium**
The importance of fortification of flour with calcium and the sources of Ca in the diet of 375 English adolescents. 51, 193, 1984
- Calcium absorption**
Intestinal radiocalcium absorption in the goat: measurement by a double isotope technique. 51, 145, 1984
Effects of 1 α -hydroxylated metabolites of cholecalciferol on intestinal radiocalcium absorption in goats. 51, 157, 1984
- Carbohydrate absorption**
Absorption kinetics of some carbohydrates in conscious pigs. 1. Qualitative aspects. 51, 505, 1984
Absorption kinetics of some carbohydrates in conscious pigs. 2. Quantitative aspects. 51, 517, 1984
- Carbohydrate digestion**
The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 2. Quantitative digestion of carbohydrates and proteins. 51, 493, 1984
- Cereals**
Factors affecting the absorption of iron from cereals. 51, 37, 1984
- Cholecalciferol**
Effects of 1 α -hydroxylated metabolites of cholecalciferol on intestinal radiocalcium absorption in goats. 51, 157, 1984
- Cholesterol**
Alteration of regression of cholesterol accumulation in rats by dietary pectin. 51, 339, 1984
- Condensed tannins**
The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 1. Voluntary intake. 51, 485, 1984
The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 2. Quantitative digestion of carbohydrates and proteins. 51, 493, 1984
- Cow's milk allergy**
Reduction in the antigenicity of whey proteins by heat treatment: a possible strategy for producing a hypoallergenic infant milk formula. 51, 29, 1984
- Diet-induced thermogenesis**
High efficiency of energy utilization in 'cafeteria'- and force-fed rats kept at 29°. 51, 379, 1984

Dietary fibre

The effect of ispaghula (Fybogel and Metamucil) and guar gum on glucose tolerance in man. 51, 371, 1984

Influence of caecectomy and source of dietary fibre or starch on excretion of endogenous amino acids by laying hens. 51, 541, 1984

Dietary markers

The simultaneous estimation of the amounts of protozoal, bacterial and dietary nitrogen entering the duodenum of steers. 51, 111, 1984

Digestive enzymes

The effect of meal-feeding and food restriction on body composition, food utilization and intestinal adaptation in light-breed chicks. 51, 101, 1984

Docosahexaenoic acid

The influence of a maternal diet rich in linoleic acid on brain and retinal docosahexaenoic acid in the rat. 51, 57, 1984

Energetic efficiency

The effect of body fatness on energetic efficiency and fasting heat production in adult sheep. 51, 297, 1984

Energy digestibility

The effect of protein quality and fibre level in the diet and microbial activity in the digestive tract on protein utilization and energy digestibility in rats. 51, 305, 1984

Energy metabolism

Energy metabolism and body composition of young pigs given low-protein diets. 51, 225, 1984

Energy utilization

Protein and energy utilization in germ-free and conventional chicks given diets containing different levels of dietary protein. 51, 255, 1984

High efficiency of energy utilization in 'cafeteria'- and force-fed rats kept at 29°. 51, 379, 1984

Energy values

The energy equivalents of ATP and the energy value of food proteins and fats. 51, 15, 1984

Essential amino acids

The utilization of protein from a low-protein diet as determined by limiting essential amino acids. 51, 235, 1984

Essential fatty acids

Changes in the content of *n*-6 fatty acids in liver phospholipids in rats as a consequence of partially hydrogenated dietary oils. 51, 315, 1984

Exercise

Physical activity improves protein utilization in young men. 51, 171, 1984

The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 1. Superficial and intra-abdominal sites. 51, 415, 1984

The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 2. Intermuscular sites. 51, 425, 1984

Fasting heat production

The effect of body fatness on energetic efficiency and fasting heat production in adult sheep. 51, 297, 1984

Fatty acids

The influence of a maternal diet rich in linoleic acid on brain and retinal docosahexaenoic acid in the rat. 51, 57, 1984

Changes in the content of *n*-6 fatty acids in liver phospholipids in rats as a consequence of partially hydrogenated dietary oils. 51, 315, 1984

Fat-muscle interaction

The effects of food restriction and exercise on site-specific differences in adipocyte volume and adipose tissue cellularity in the guinea-pig. 2. Intermuscular sites. 51, 425, 1984

Fetal growth

Maternal adipose tissue response to nicotine administration in the pregnant rat: effects on fetal body fat and cellularity. 51, 7, 1984

Fibre

Factors affecting the absorption of iron from cereals. 51, 37, 1984

A study of the effects of dietary gum arabic in the rat. 51, 47, 1984

The effect of protein quality and fibre level in the diet and microbial activity in the digestive tract on protein utilization and energy digestibility in rats. 51, 305, 1984

Flour fortification

The importance of fortification of flour with calcium and the sources of Ca in the diet of 375 English adolescents. 51, 193, 1984

Food restriction

The effect of meal-feeding and food restriction on body composition, food utilization and intestinal adaptation in light-breed chicks. 51, 101, 1984

Germ-free chick

Protein and energy utilization in germ-free and conventional chicks given diets containing different levels of dietary protein. 51, 255, 1984

Glucocorticoids

Modification of glucocorticoid-induced changes in myofibrillar protein turnover in rats by protein and energy deficiency as assessed by urinary excretion of *N*⁷-methylhistidine. 51, 323, 1984

Glucose tolerance

The effect of ispaghula (Fybogel and Metamucil) and guar gum on glucose tolerance in man. 51, 371, 1984

Growth

Studies on the protein requirements of growing cattle. Effects of differing intakes of protein and energy on growth and nitrogen metabolism in young entire males. 51, 133, 1984

The effects of dietary tryptophan levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 51, 279, 1984

The effect of over-feeding newborn rabbits on somatic and visceral growth, body composition and long-term growth potential. 51, 389, 1984

Gum arabic

A study of the effects of dietary gum arabic in the rat. 51, 47, 1984

Gut microflora

Protein and energy utilization in germ-free and conventional chicks given diets containing different levels of dietary protein. 51, 255, 1984

Heat denaturation of whey

Reduction in the antigenicity of whey proteins by heat treatment: a possible strategy for producing a hypoallergenic infant milk formula. 51, 29, 1984

Hyperinsulinaemia

Dietary components and plasma insulin responses to fasting and refeeding in genetically obese hyperglycaemic (*ob/ob*) mice. 51, 403, 1984

Infant milk formulas

Reduction in the antigenicity of whey proteins by heat treatment: a possible strategy for producing a hypoallergenic infant milk formula. 51, 29, 1984

Iron absorption

Factors affecting the absorption of iron from cereals. 51, 37, 1984

Iron retention

The influence of previous iron intake on the estimation of bioavailability of Fe from a test meal given to rats. 51, 185, 1984

Ispaghula

The effect of ispaghula (Fybogel and Metamucil) and guar gum on glucose tolerance in man. 51, 371, 1984

Lactation

The Bacon Chow study: effect of nutritional supplementation on maternal weight and skinfold thicknesses during pregnancy and lactation. 51, 357, 1984

Large intestine

Absorption and metabolism of the volatile fatty acids in the hind-gut of the rabbit. 51, 265, 1984

Leucocytes

Linoleic acid and arachidonic acid metabolism in human peripheral blood leucocytes: comparison with the rat. 51, 209, 1984

Linoleic acid

The influence of a maternal diet rich in linoleic acid on brain and retinal docosa-hexaenoic acid in the rat. 51, 57, 1984

Linoleic acid and arachidonic acid metabolism in human peripheral blood leucocytes: comparison with the rat. 51, 209, 1984

Lotus pedunculatus

The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 1. Voluntary intake. 51, 485, 1984

The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 2. Quantitative digestion of carbohydrates and proteins. 51, 493, 1984

Lysine availability

Availability of lysine in vegetable protein concentrates as determined by the slope-ratio assay with growing pigs and rats and by chemical techniques. 51, 85, 1984

Malabsorption

Biochemical aspects of malabsorption in marasmus. 51, 1, 1984

Malnutrition

Modification of glucocorticoid-induced changes in myofibrillar protein turnover in rats by protein and

energy deficiency as assessed by urinary excretion of N^7 -methylhistidine. 51, 323, 1984

Marasmus

Biochemical aspects of malabsorption in marasmus. 51, 1, 1984

Marine oils

Changes in the content of *n*-6 fatty acids in liver phospholipids in rats as a consequence of partially hydrogenated dietary oils. 51, 315, 1984

Maternal nutrition

The Bacon Chow study: effect of nutritional supplementation on maternal weight and skinfold thicknesses during pregnancy and lactation. 51, 357, 1984

 N^7 -Methylhistidine

Modification of glucocorticoid-induced changes in myofibrillar protein turnover in rats by protein and energy deficiency as assessed by urinary excretion of N^7 -methylhistidine. 51, 323, 1984

Microbial nitrogen

The simultaneous estimation of the amounts of protozoal, bacterial and dietary nitrogen entering the duodenum of steers. 51, 111, 1984

Microbial protein synthesis

The efficiency of microbial protein synthesis in the rumen and the degradability of feed nitrogen between the mouth and abomasum in steers given different diets. 51, 77, 1984

Effects of alkali treatment of wheat straw on intake and microbial protein synthesis in cattle. 51, 289, 1984

Muscle fibre length

The effect of dietary restriction on muscle fibre length in mice. 51, 479, 1984

Nicotine

Maternal adipose tissue response to nicotine administration in the pregnant rat: effects on fetal body fat and cellularity. 51, 7, 1984

 15 Nitrogen utilization

Protein utilization in the young steer: digestion and nitrogen retention of 15 N-labelled rumen bacterial protein. 51, 531, 1984

Nutritional status

Anthropometric norms in the elderly. 51, 165, 1984

Nutritional survey

A 2-year longitudinal nutritional survey of 405 Northumberland children initially aged 11.5 years. 51, 67, 1984

Anthropometric norms in the elderly. 51, 165, 1984
The importance of fortification of flour with calcium and the sources of Ca in the diet of 375 English adolescents. 51, 193, 1984

Sugars-eating habits of 405 11- to 14-year-old English children. 51, 347, 1984

***ob/ob* mice**

Dietary components and plasma insulin responses to fasting and refeeding in genetically obese hyperglycaemic (*ob/ob*) mice. 51, 403, 1984

Obesity

Dietary components and plasma insulin responses to fasting and refeeding in genetically obese hyperglycaemic (*ob/ob*) mice. 51, 403, 1984

Oestrogens

Inhibition of tryptophan metabolism by oestrogens in the rat: a factor in the aetiology of pellagra. 51, 219, 1984

Over-feeding

The effect of over-feeding newborn rabbits on somatic and visceral growth, body composition and long-term growth potential. 51, 389, 1984

Oxidized fish oil

The effect of vitamin E and oxidized fish oil on the nutrition of rainbow trout (*Salmo gairdneri*) grown at natural, varying water temperatures. 51, 443, 1984

Pectin

Alteration of regression of cholesterol accumulation in rats by dietary pectin. 51, 339, 1984

Pellagra

Inhibition of tryptophan metabolism by oestrogens in the rat: a factor in the aetiology of pellagra. 51, 219, 1984

Phenylalanine

Is phenylalanine requirement in infants and children related to protein intake? 51, 435, 1984

Phenylketonuria

Is phenylalanine requirement in infants and children related to protein intake? 51, 435, 1984

Phosphorus utilization

Influence of dietary phosphorus and sulphaguanidine levels on P utilization in rats. 51, 453, 1984

Physical activity

Physical activity improves protein utilization in young men. 51, 171, 1984

Phytate

Influence of dietary phosphorus and sulphaguanidine levels on P utilization in rats. 51, 453, 1984

Poultry

The zinc requirements of broiler chicks and turkey poults fed on purified diets. 51, 467, 1984

Pregnancy

The Bacon Chow study: effect of nutritional supplementation on maternal weight and skinfold thicknesses during pregnancy and lactation. 51, 357, 1984

Protein

The energy equivalents of ATP and the energy value of food proteins and fats. 51, 15, 1984

Protein intake

Energy metabolism and body composition of young pigs given low-protein diets. 51, 225, 1984

Protein and energy utilization in germ-free and conventional chicks given diets containing different levels of dietary protein. 51, 255, 1984

Is phenylalanine requirement in infants and children related to protein intake? 51, 435, 1984

Protein quality

The effect of protein quality and fibre level in the diet and microbial activity in the digestive tract on protein utilization and energy digestibility in rats. 51, 305, 1984

Protein requirements

Studies on the protein requirements of growing cattle. Effects of differing intakes of protein and energy on growth and nitrogen metabolism in young entire males. 51, 133, 1984

Protein synthesis

Protein utilization in the young steer: digestion and nitrogen retention of ¹⁵N-labelled rumen bacterial protein. 51, 531, 1984

Protein utilization

Physical activity improves protein utilization in young men. 51, 171, 1984

The utilization of protein from a low-protein diet as determined by limiting essential amino acids. 51, 235, 1984

Radiocalcium absorption

Intestinal radiocalcium absorption in the goat: measurement by a double isotope technique. 51, 145, 1984

Rainbow trout (*Salmo gairdneri*)

The effects of dietary tryptophan levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 51, 279, 1984

The effect of vitamin E and oxidized fish oil on the nutrition of rainbow trout (*Salmo gairdneri*) grown at natural, varying water temperatures. 51, 443, 1984

Rumen bacteria

Protein utilization in the young steer: digestion and nitrogen retention of ¹⁵N-labelled rumen bacterial protein. 51, 531, 1984

Rumen metabolism

The efficiency of microbial protein synthesis in the rumen and the degradability of feed nitrogen between the mouth and abomasum in steers given different diets. 51, 77, 1984

The simultaneous estimation of the amounts of protozoal, bacterial and dietary nitrogen entering the duodenum of steers. 51, 111, 1984

Schoolchildren

A 2-year longitudinal nutritional survey of 405 Northumberland children initially aged 11.5 years. 51, 67, 1984

Sugars-eating habits of 405 11- to 14-year-old English children. 51, 347, 1984

Slope-ratio assay

Availability of lysine in vegetable protein concentrates as determined by the slope-ratio assay with growing pigs and rats and by chemical techniques. 51, 85, 1984

Stable isotope-dilution technique

Zinc homeostasis in man: studies using a new stable isotope-dilution technique. 51, 199, 1984

Sugars intake

Sugars-eating habits of 405 11- to 14-year-old English children. 51, 347, 1984

Sulphaguanidine

Influence of dietary phosphorus and sulphaguanidine levels on P utilization in rats. 51, 453, 1984

Tryptophan

The effects of dietary tryptophan levels on growth and metabolism of rainbow trout (*Salmo gairdneri*). 51, 279, 1984

Tryptophan metabolism

Inhibition of tryptophan metabolism by oestrogens in the rat: a factor in the aetiology of pellagra. 51, 219, 1984

Undernutrition

The effect of dietary restriction on muscle fibre length in mice. 51, 479, 1984

Vegetable proteins

Availability of lysine in vegetable protein concentrates as determined by the slope-ratio assay with growing pigs and rats and by chemical techniques. **51, 85, 1984**

Vitamin A status

The activity of acyl CoA:retinol acyltransferase in the rat: variation with vitamin A status. **51, 245, 1984**

Vitamin D₃

Effects of 1 α -hydroxylated metabolites of cholecalciferol on intestinal radiocalcium absorption in goats. **51, 157, 1984**

Vitamin E

The effect of vitamin E and oxidized fish oil on the nutrition of rainbow trout (*Salmo gairdneri*) grown at natural, varying water temperatures. **51, 443, 1984**

Volatile fatty acids

Absorption and metabolism of the volatile fatty acids in the hind-gut of the rabbit. **51, 265, 1984**

Voluntary intake

The role of condensed tannins in the nutritional value of *Lotus pedunculatus* for sheep. 1. Voluntary intake. **51, 485, 1984**

Zinc

Zinc homeostasis in man: studies using a new stable isotope-dilution technique. **51, 199, 1984**

Zinc requirement

The zinc requirements of broiler chicks and turkey poults fed on purified diets. **51, 467, 1984**