

Index of Subjects

 α_2 -Adrenergic agonist

The effect of the α_2 -adrenergic agonist, guanfacin, on the energy metabolism of steers fed on low-quality-roughage diets. 67, 337, 1992

Amino acid requirements

The metabolic utilization of amino acids: potentials of $^{14}\text{CO}_2$ breath test measurements. 67, 207, 1992

Amino acid uptake

The effect of forage and forage-concentrate diets on rumen fermentation and metabolism of nutrients by the mesenteric- and portal-drained viscera in growing steers. 67, 355, 1992

Amino acid utilization

The metabolic utilization of amino acids: potentials of $^{14}\text{CO}_2$ breath test measurements. 67, 207, 1992

Amylomaize starch degradation

Contribution of the digestive tract microflora to amylomaize starch degradation in the rat. 67, 489, 1992

Anti-nutritive effects

The inhibition of nutrient digestion by wheat pentosans. 67, 123, 1992

Apple pulp

Effects of dietary fibre and tannins from apple pulp on the composition of faeces in rats. 67, 463, 1992

Arachidonic acid

The effects of acute and chronic administration of *n*-6 and *n*-3 polyunsaturated fatty acids on ethanol-induced gastric haemorrhage in rats. 67, 501, 1992

Ascorbic acid

Vitamin C and the common cold. 67, 3, 1992

Availability

The availability of lysine in diets for pigs: comparative methodology. 67, 401, 1992

Basal metabolic rates

Thermic effect of a meal: 3. Effect of dietary supplementation in chronically undernourished human subjects. 67, 187, 1992

Bioavailability

Supplementation with wheat selenium induces a dose-dependent response in serum and urine of a Se-replete population. 67, 287, 1992

Body composition

Thermic effect of a meal: 2. Role in chronic undernutrition. 67, 177, 1992

Body size

Muscle protein degradation assessed by N^1 -methyl-histidine excretion in mature White Leghorn, dwarf broiler and normal broiler males maintained on either low- or high-protein diets. 67, 391, 1992

Bread

Zinc absorption in adult men from a chicken sandwich made with white or wholemeal bread, measured by a double-label stable-isotope technique. 67, 411, 1992

Breast-feeding

Weaning practices and breast-feeding duration in Northern Thailand. 67, 149, 1992

Broiler diets

The inhibition of nutrient digestion by wheat pentosans. 67, 123, 1992

 ^{13}C breath test

Use of naturally enriched mixed food in ^{13}C breath tests applied in young sucking calves. 67, 43, 1992

C57 Bl mice

High-fat diets and the immune response of C57 Bl mice. 67, 17, 1992

Calcium

Calcium and phosphorus requirements of the very young turkey as determined by response surface analysis. 67, 421, 1992

Carbohydrate intake

Dietary-induced increases of disaccharidase activities in rat jejunum. 67, 267, 1992

Casein

Effects of diets containing casein and rapeseed proteins on the enzyme secretion from the exocrine pancreas in the pig. 67, 215, 1992

Cell-wall degradation

Enzyme supplementation, degradation and metabolism of three $\text{U-}^{14}\text{C}$ -labelled cell wall-substrates in the fowl. 67, 91, 1992

Metabolic fates of $\text{U-}^{14}\text{C}$ -labelled monosaccharides and an enzyme-treated cell-wall substrate in the fowl. 67, 103, 1992

Chicken meat

Zinc absorption in adult men from a chicken sandwich made with white or wholemeal bread, measured by a double-label stable-isotope technique. 67, 411, 1992

Chronic lung disease

Tissue α -tocopherol status during late fetal and early neonatal life of the guinea-pig. 67, 457, 1992

Chronic undernutrition

Thermic effect of a meal: 2. Role in chronic undernutrition. 67, 177, 1992

Thermic effect of a meal: 3. Effect of dietary supplementation in chronically undernourished human subjects. 67, 187, 1992

Complex carbohydrates

Digestion of complex carbohydrates and large bowel fermentation in rats fed on raw and cooked peas (*Pisum sativum*). 67, 475, 1992

Cooking

Digestion of complex carbohydrates and large bowel fermentation in rats fed on raw and cooked peas (*Pisum sativum*). 67, 475, 1992

Dietary fat

Influence of amount of dietary fat and protein on esterase-1 (ES-1) activities of plasma and small intestine in rats. 67, 379, 1992

Dietary fibre

Gastrointestinal morphology and absorption of monosaccharides in fowls conditioned to different types and levels of dietary fibre. 67, 77, 1992

Effect of fibre level, particle size and adaptation period on digestibility and rate of passage as

- measured at the ileum and in the faeces in the adult rabbit. **67**, 133, 1992
- Effects of dietary fibre and tannins from apple pulp on the composition of faeces in rats. **67**, 463, 1992
- Digestion**
- Effect of fibre level, particle size and adaptation period on digestibility and rate of passage as measured at the ileum and in the faeces in the adult rabbit. **67**, 133, 1992
- Digestive enzymes**
- The effect of proanthocyanidin-rich hulls and proanthocyanidin extracts from bean hulls (*Vicia faba* L.) on nutrient digestibility and digestive enzyme activities in young chicks. **67**, 57, 1992
- Disaccharidase activity**
- Dietary-induced increases of disaccharidase activities in rat jejunum. **67**, 267, 1992
- Diurnal rhythm**
- Dietary-induced increases of disaccharidase activities in rat jejunum. **67**, 267, 1992
- Eating behaviour**
- Studies of method of conserving grass herbage and frequency of feeding in cattle. 2. Eating behaviour, rumen motility and rumen fill. **67**, 319, 1992
- Editorial**
- The development of nutritional concepts. **67**, 1, 1992
- Images of nutrition. **67**, 147, 1992
- The ethics of peer review. **67**, 303, 1992
- Energy metabolism**
- Energy and nitrogen intake, expenditure and retention at 32° in growing fowl given diets with a wide range of energy and protein contents. **67**, 195, 1992
- The effect of the α_2 -adrenergic agonist, guanfacin, on the energy metabolism of steers fed on low-quality-roughage diets. **67**, 337, 1992
- Environmental temperature**
- Energy and nitrogen intake, expenditure and retention at 32° in growing fowl given diets with a wide range of energy and protein contents. **67**, 195, 1992
- Enzyme activity**
- The effect of sucrose supplements on particle-associated carboxymethylcellulase and xylanase activities in cattle given grass-silage-based diet. **67**, 245, 1992
- Enzyme supplementation**
- Enzyme supplementation, degradation and metabolism of three U-¹³C-labelled cell-wall substrates in the fowl. **67**, 91, 1992
- Metabolic fates of U-¹³C-labelled monosaccharides and an enzyme-treated cell-wall substrate in the fowl. **67**, 103, 1992
- Erythrocytes**
- The effect of malnutrition on insulin binding to rat erythrocytes. **67**, 279, 1992
- Esterase-I**
- Influence of amount of dietary fat and protein on esterase-I (ES-1) activities of plasma and small intestine in rats. **67**, 379, 1992
- Faba bean (*Vicia faba*)**
- Mineral excretion of rats fed diets containing faba beans (*Vicia faba* L.) or faba bean fractions. **67**, 295, 1992
- Faecal mineral excretion**
- Mineral excretion of rats fed diets containing faba beans (*Vicia faba* L.) or faba bean fractions. **67**, 295, 1992
- Faeces composition**
- Effects of dietary fibre and tannins from apple pulp on the composition of faeces in rats. **67**, 463, 1992
- Fat intake**
- High-fat diets and the immune response of C57 Bl mice. **67**, 17, 1992
- Influence of amount of dietary fat and protein on esterase-I (ES-1) activities of plasma and small intestine in rats. **67**, 379, 1992
- Feeding frequency**
- Studies of method of conserving grass herbage and frequency of feeding in cattle. 1. Voluntary feed intake, digestion and rate of passage. **67**, 305, 1992
- Studies of method of conserving grass herbage and frequency of feeding in cattle. 2. Eating behaviour, rumen motility and rumen fill. **67**, 319, 1992
- Fetus**
- Tissue α -tocopherol status during late fetal and early neonatal life of the guinea-pig. **67**, 457, 1992
- Fibre digestion**
- The effect of sucrose supplements on particle-associated carboxymethylcellulase and xylanase activities in cattle given grass-silage-based diet. **67**, 245, 1992
- Fish oil**
- The effects of acute and chronic administration of *n*-6 and *n*-3 polyunsaturated fatty acids on ethanol-induced gastric haemorrhage in rats. **67**, 501, 1992
- β -Galactosidase**
- Enhancement of intestinal hydrolysis of lactose by microbial β -galactosidase of kefir. **67**, 67, 1992
- Gastric haemorrhage**
- The effects of acute and chronic administration of *n*-6 and *n*-3 polyunsaturated fatty acids on ethanol-induced gastric haemorrhage in rats. **67**, 501, 1992
- Gastrointestinal morphology**
- Gastrointestinal morphology and absorption of monosaccharides in fowls conditioned to different types and levels of dietary fibre. **67**, 77, 1992
- Glycaemic index**
- Influence of the amount of starch on the glycaemic index to rice in non-insulin-dependent diabetic subjects. **67**, 371, 1992
- Grass herbage conservation**
- Studies of method of conserving grass herbage and frequency of feeding in cattle. 1. Voluntary feed intake, digestion and rate of passage. **67**, 305, 1992
- Studies of method of conserving grass herbage and frequency of feeding in cattle. 2. Eating behaviour, rumen motility and rumen fill. **67**, 319, 1992
- Guanfacin**
- The effect of the α_2 -adrenergic agonist, guanfacin, on the energy metabolism of steers fed on low-quality-roughage diets. **67**, 337, 1992
- Guar gum**
- The effect of ingestion of guar gum on ileostomy effluent. **67**, 115, 1992

- Guinea-pig lens**
Effect of vitamin C on sorbitol in the lens of guinea-pigs made diabetic with streptozotocin. 67, 445, 1992
- Gut microflora**
Contribution of the digestive tract microflora to amyloamylase starch degradation in the rat. 67, 489, 1992
- Gut tissue metabolism**
The effect of forage and forage-concentrate diets on rumen fermentation and metabolism of nutrients by the mesenteric- and portal-drained viscera in growing steers. 67, 355, 1992
- Hypochlorite**
Vitamin C and the common cold. 67, 3, 1992
- Ileostomy effluent**
The effect of ingestion of guar gum on ileostomy effluent. 67, 115, 1992
- Immune response**
High-fat diets and the immune response of C57 Bl mice. 67, 17, 1992
- Infection**
Vitamin C and the common cold. 67, 3, 1992
- Insulin binding**
The effect of malnutrition on insulin binding to rat erythrocytes. 67, 279, 1992
- Insulin-like growth factor-I**
Effect of dietary proteins on insulin-like growth factor-I (IGF-I) messenger ribonucleic acid content in rat liver. 67, 257, 1992
- Insulin-like growth factor-1 mRNA**
Effect of dietary proteins on insulin-like growth factor-I (IGF-I) messenger ribonucleic acid content in rat liver. 67, 257, 1992
- Intestine**
Influence of amount of dietary fat and protein on esterase-I (ES-I) activities of plasma and small intestine in rats. 67, 379, 1992
- Iron speciation**
Application of selective extraction to the study of iron species present in diet and rat gastrointestinal tract contents. 67, 437, 1992
- Lactose digestion**
Enhancement of intestinal hydrolysis of lactose by microbial β -galactosidase of kefir. 67, 67, 1992
- Large bowel fermentation**
Digestion of complex carbohydrates and large bowel fermentation in rats fed on raw and cooked peas (*Pisum sativum*). 67, 475, 1992
- Leucine**
The metabolic utilization of amino acids: potentials of ^{14}C breath test measurements. 67, 207, 1992
- Liver**
Effect of dietary proteins on insulin-like growth factor-I (IGF-I) messenger ribonucleic acid content in rat liver. 67, 257, 1992
- Low-quality-roughage diets**
The effect of the α_2 -adrenergic agonist, guanfacin, on the energy metabolism of steers fed on low-quality-roughage diets. 67, 337, 1992
- Lysine**
The availability of lysine in diets for pigs: comparative methodology. 67, 401, 1992
- Magnesium**
Inhibitory effect of high protein intake on nephrocalcinogenesis in female rats. 67, 223, 1992
- Malnutrition**
The effect of malnutrition on insulin binding to rat erythrocytes. 67, 279, 1992
- Michaelis-Menten kinetics**
Rumen protein degradation rates estimated by non-linear regression analysis of Michaelis-Menten in vitro data. 67, 27, 1992
- Microbial maintenance coefficient**
Effects of diet, level of intake, sodium bicarbonate and monensin on urinary allantoin excretion in sheep. 67, 345, 1992
- Monosaccharide metabolism**
Metabolic fates of U- ^{14}C -labelled monosaccharides and an enzyme-treated cell-wall substrate in the fowl. 67, 103, 1992
- Monosaccharide uptake**
Gastrointestinal morphology and absorption of monosaccharides in fowls conditioned to different types and levels of dietary fibre. 67, 77, 1992
- Naturally-enriched milk diet**
Use of naturally enriched mixed food in ^{13}C breath tests applied in young sucking calves. 67, 43, 1992
- Nephrocalcinosis**
Inhibitory effect of high protein intake on nephrocalcinogenesis in female rats. 67, 223, 1992
- Neutrophils**
Vitamin C and the common cold. 67, 3, 1992
- Nitrogen metabolism**
Energy and nitrogen intake, expenditure and retention at 32° in growing fowl given diets with a wide range of energy and protein contents. 67, 195, 1992
- Non-insulin-dependent diabetes mellitus**
Influence of the amount of starch on the glycaemic index to rice in non-insulin-dependent diabetic subjects. 67, 371, 1992
- Non-linear regression**
Rumen protein degradation rates estimated by non-linear regression analysis of Michaelis-Menten in vitro data. 67, 27, 1992
- Non-starch polysaccharides**
The inhibition of nutrient digestion by wheat pentosans. 67, 123, 1992
- Nutrient absorption**
The effect of forage and forage concentrate diets on rumen fermentation and metabolism of nutrients by the mesenteric- and portal-drained viscera in growing steers. 67, 355, 1992
- Nutrient digestibility**
The effect of proanthocyanidin-rich hulls and proanthocyanidin extracts from bean hulls (*Vicia faba* L.) on nutrient digestibility and digestive enzyme activities in young chicks. 67, 57, 1992
- Pancreatic secretion**
Effects of diets containing casein and rapeseed proteins on the enzyme secretion from the exocrine pancreas in the pig. 67, 215, 1992
- Particle density**
The influence of density and size of particles on rumination and passage from the reticulo-rumen of sheep. 67, 235, 1992

Particle size

The influence of density and size of particles on rumination and passage from the reticulo-rumen of sheep. 67, 235, 1992

Peas

Digestion of complex carbohydrates and large bowel fermentation in rats fed on raw and cooked peas (*Pisum sativum*). 67, 475, 1992

Phosphorus

Inhibitory effect of high protein intake on nephrocalcinogenesis in female rats. 67, 223, 1992

Calcium and phosphorus requirements of the very young turkey as determined by response surface analysis. 67, 421, 1992

Physical activity

Use of naturally enriched mixed food in ¹³C breath tests applied in young sucking calves. 67, 43, 1992

Phytin-phosphorus retention

Calcium and phosphorus requirements of the very young turkey as determined by response surface analysis. 67, 421, 1992

Plant cell-wall substrates

Enzyme supplementation, degradation and metabolism of three U-¹⁴C-labelled cell-wall substrates in the fowl. 67, 91, 1992

Plasma

Influence of amount of dietary fat and protein on esterase-1 (ES-1) activities of plasma and small intestine in rats. 67, 379, 1992

Plasma galactose

Enhancement of intestinal hydrolysis of lactose by microbial β -galactosidase of kefir. 67, 67, 1992

Polyphenols

Effects of dietary fibre and tannins from apple pulp on the composition of faeces in rats. 67, 463, 1992

Prematurity

Tissue α -tocopherol status during late fetal and early neonatal life of the guinea-pig. 67, 457, 1992

Proanthocyanidin

The effect of proanthocyanidin-rich hulls and proanthocyanidin extracts from bean hulls (*Vicia faba* L.) on nutrient digestibility and digestive enzyme activities in young chicks. 67, 57, 1992

Protein degradation

Rumen protein degradation rates estimated by non-linear regression analysis of Michaelis-Menten in vitro data. 67, 27, 1992

Protein intake

Effects of diets containing casein and rapeseed proteins on the enzyme secretion from the exocrine pancreas in the pig. 67, 215, 1992

Inhibitory effect of high protein intake on nephrocalcinogenesis in female rats. 67, 223, 1992

Protein turnover

Muscle protein degradation assessed by N¹-methylhistidine excretion in mature White Leghorn, dwarf broiler and normal broiler males maintained on either low- or high-protein diets. 67, 391, 1992

Rapeseed

Effects of diets containing casein and rapeseed proteins on the enzyme secretion from the exocrine pancreas in the pig. 67, 215, 1992

Rice

Influence of the amount of starch on the glycaemic index to rice in non-insulin-dependent diabetic subjects. 67, 371, 1992

Rickets

Calcium and phosphorus requirements of the very young turkey as determined by response surface analysis. 67, 421, 1992

Rodent diet

Application of selective extraction to the study of iron species present in diet and rat gastrointestinal tract contents. 67, 437, 1992

Rumen

Effects of diet, level of intake, sodium bicarbonate and monensin on urinary allantoin excretion in sheep. 67, 345, 1992

Rumen digestion

Studies of method of conserving grass herbage and frequency of feeding in cattle. 1. Voluntary feed intake, digestion and rate of passage. 67, 305, 1992

Rumen motility and fill

Studies of method of conserving grass herbage and frequency of feeding in cattle. 2. Eating behaviour, rumen motility and rumen fill. 67, 319, 1992

Rumen protein escape

Rumen protein degradation rates estimated by non-linear regression analysis of Michaelis-Menten in vitro data. 67, 27, 1992

Ruminant

The effect of sucrose supplements on particle-associated carboxymethylcellulase and xylanase activities in cattle given grass-silage-based diet. 67, 245, 1992

Rumination

The influence of density and size of particles on rumination and passage from the reticulo-rumen of sheep. 67, 235, 1992

Selective extraction technique

Application of selective extraction to the study of iron species present in diet and rat gastrointestinal tract contents. 67, 437, 1992

Selenium

Supplementation with wheat selenium induces a dose-dependent response in serum and urine of a Se-replete population. 67, 287, 1992

Sorbitol

Effect of vitamin C on sorbitol in the lens of guinea-pigs made diabetic with streptozotocin. 67, 445, 1992

Stable isotope

Zinc absorption in adult men from a chicken sandwich made with white or wholemeal bread, measured by a double-label stable-isotope technique. 67, 411, 1992

Starch digestion

Contribution of the digestive tract microflora to amylomaize starch degradation in the rat. 67, 489, 1992

Streptozotocin diabetes

Effect of vitamin C on sorbitol in the lens of guinea-pigs made diabetic with streptozotocin. 67, 445, 1992

Substrate oxidation rates

Thermic effect of a meal: 2. Role in chronic undernutrition. 67, 177, 1992

Thermic effect of a meal: 3. Effect of dietary supplementation in chronically undernourished human subjects. 67, 187, 1992

Sucrose supplements

The effect of sucrose supplements on particle-associated carboxymethylcellulase and xylanase activities in cattle given grass-silage-based diet. 67, 245, 1992

Superoxide

Vitamin C and the common cold. 67, 3, 1992

Supplementary feeding

Weaning practices and breast-feeding duration in Northern Thailand. 67, 149, 1992

Thermic effect of a meal

Thermic effect of a meal: 1. Methodology and variation in normal young adults. 67, 165, 1992

Thermic effect of a meal: 2. Role in chronic undernutrition. 67, 177, 1992

Thermic effect of a meal: 3. Effect of dietary supplementation in chronically undernourished human subjects. 67, 187, 1992

Tibial dyschondroplasia

Calcium and phosphorus requirements of the very young turkey as determined by response surface analysis. 67, 421, 1992

Transit time

Effect of fibre level, particle size and adaptation period on digestibility and rate of passage as measured at the ileum and in the faeces in the adult rabbit. 67, 133, 1992

The influence of density and size of particles on

rumination and passage from the reticulo-rumen of sheep. 67, 235, 1992

Tyrosine

The metabolic utilization of amino acids: potentials of $^{14}\text{CO}_2$ breath test measurements. 67, 207, 1992

Urinary allantoin

Effects of diet, level of intake, sodium bicarbonate and monensin on urinary allantoin excretion in sheep. 67, 345, 1992

Vicia faba

The effect of proanthocyanidin-rich hulls and proanthocyanidin extracts from bean hulls (*Vicia faba* L.) on nutrient digestibility and digestive enzyme activities in young chicks. 67, 57, 1992

Vitamin C

Effect of vitamin C on sorbitol in the lens of guinea-pigs made diabetic with streptozotocin. 67, 445, 1992

Vitamin E

Tissue α -tocopherol status during late fetal and early neonatal life of the guinea-pig. 67, 457, 1992

Voluntary intake

Studies of method of conserving grass herbage and frequency of feeding in cattle. 1. Voluntary feed intake, digestion and rate of passage. 67, 305, 1992

Weaning

Weaning practices and breast-feeding duration in Northern Thailand. 67, 149, 1992

Zinc absorption

Zinc absorption in adult men from a chicken sandwich made with white or wholemeal bread, measured by a double-label stable-isotope technique. 67, 411, 1992