# 801

# Index of Subjects

#### Adipose tissue

Dietary intakes and adipose tissue levels of linoleic acid in peptic ulcer disease. 62, 699, 1989 Amino acid oxidation

Effect of frequency of feeding of diets containing free or protein-bound lysine on the oxidation of [<sup>14</sup>C]lysine or [<sup>14</sup>C]phenylalanine by growing pigs. **62**, 647, 1989

# Amino acids

The optimum dietary amino acid pattern for growing pigs. 1. Experiments by amino acid deletion.

# 62, 77, 1989

The optimum dietary amino acid pattern for growing pigs. 2. Requirements for maintenance and for tissue protein accretion. 62, 255, 1989

# y-Aminobutyrate

Brain glutamate and  $\gamma$ -aminobutyrate (GABA) metabolism in thiamin-deficient rats. 62, 245, 1989

#### Atopic eczema

Breast milk fatty acids in mothers of children with **62**. 693. 1989 atopic eczema.

# ATPase

The effect of environmental temperature on prandial changes in leucocyte sodium transport in man.

## **Bacterial transformation**

Effects of some poorly digestible carbohydrates on bile acid bacterial transformations in the rat.

#### **Basal metabolic rate**

Basal metabolic rate and energy expenditure of pregnant Nigerian women 62, 631, 1989

# **Bile acid digestion**

- Bile acid conjugation and hepatic taurine concentration in rats fed on pectin. 62, 539, 1989 **Bile** acids
  - Effects of some poorly digestible carbohydrates on bile acid bacterial transformations in the rat.

62, 103, 1989

## Biotin

- Intestinal distribution and absorption of biotin in 62, 389, 1989 the chicken. Biotin studies in pigs. 1. Biotin deficiency in the
- 62, 751, 1989 young pig.
- Biotin studies in pigs. 2. The biotin requirement of 62, 761, 1989 the growing pig.
- Biotin studies in pigs. 3. Biotin absorption and synthesis. 62, 767, 1989 Biotin studies in pigs. 4. Biotin availability in
- feedstuffs for pigs and chickens. 62, 773, 1989 Biotin studies in pigs. 5. The post-ileal absorption of
- 62, 781, 1989 biotin.

## Brain glutamate

Brain glutamate and  $\gamma$ -aminobutyrate (GABA) metabolism in thiamin-deficient rats.

# Breast milk

Breast milk fatty acids in mothers of children with atopic eczema. 62, 693, 1989

## Brindled mouse

- Effects of dietary copper deficiency on male offspring of heterozygous brindled mice. 62, 177, 1989 Calcium
  - Calcium, magnesium and phosphorus status of elderly inpatients: dietary intake, metabolic balance studies and biochemical status.

62, 211, 1989

62, 245, 1989

### Calcium absorption

Studies on calcium absorption from milk using a double-label stable isotope technique.

# Carbohydrates

Effects of some poorly digestible carbohydrates on bile acid bacterial transformations in the rat.

62, 103, 1989

#### β-Carotene

Rabbits fed on  $\beta$ -carotene have higher serum levels of all-trans retinoic acid than those receiving no  $\beta$ -carotene. 62, 195, 1989

suitable for human metabolic studies.

#### **62**, 121, 1989

Modulation of postprandial glycaemia and insulinaemia by cellulose in mixed nutrient combinations. 62, 131, 1989

## Cholesterol

- Effect of oat gum on the physical properties of the gastrointestinal contents and on the uptake of Dgalactose and cholesterol by rat small intestine in vitro. 62, 91, 1989
- Digestibility of casein, formaldehyde-treated casein and sova-bean protein in relation to their effects on serum cholesterol in rabbits. 62, 331, 1989

# Cholinesterase activity

Changes in serum cholinesterase (EC 3.1.1.8) activity in rats consuming a high-fat diet. 62, 343, 1989

# Clenbuterol

The effect of clenbuterol on basal protein turnover and endogenous nitrogen loss of sheep.

#### 62, 285, 1989

### **Cobalt deficiency**

Methylmalonic acid in the diagnosis of cobalt 62, 729, 1989 deficiency in barley-fed lambs.

- **62**, 103, 1989
- 62, 639, 1989

Cellulose Preparation and characterization of a [14C]cellulose

<sup>62, 379, 1989</sup> 

## Compartmental analysis

Theoretical considerations in the estimation of rumen fractional outflow rate from various sampling sites in the digestive tract. 62, 229, 1989 Copper deficiency

- Effects of dietary copper deficiency on male offspring of heterozygous brindled mice. 62, 177, 1989 Coprophagy
- Problems in estimating the extent of coprophagy in 62, 551, 1989 the rat.

# **Dental caries**

Laboratory studies of the dental properties of soft 62, 451, 1989 drinks.

#### Dietary fat

Changes in serum cholinesterase (EC 3.1.1.8) activity in rats consuming a high-fat diet.

62, 343, 1989

### **Dietary** fibre

- Effect of oat gum on the physical properties of the gastrointestinal contents and on the uptake of p-galactose and cholesterol by rat small intestine in vitro. 62, 91, 1989
- Preparation and characterization of a [14C]cellulose suitable for human metabolic studies.

62. 121. 1989

- Intestinal zinc transfer by everted gut sacs from rats given diets containing different amounts and types 62, 151, 1989 of dietary fibre.
- Digestion of fibre polysaccharides of pea (Pisum sativum) hulls, carrot and cabbage by adult 62, 563, 1989 cockerels.

# **Dietary** folate

Relation between some folate-dependent metabolic pathways and dietary folate content in chicks.

62, 203, 1989

## **Dietary supplementation**

The effect of combined dietary iron, calcium and folic acid supplementation on apparent <sup>65</sup>Zn absorption and zinc status in pregnant rats.

62, 415, 1989

### Digestibility

Enzyme supplementation of a poultry diet containing rye and wheat. 62, 139, 1989 Digestion

- A comparison of the digestion and reduction in particle size of lucerne hay (Medicago sativa) and Italian ryegrass hay (Lolium italicum) in the ovine digestive tract. 62, 493, 1989
- Digestion of fibre polysaccharides of pea (Pisum sativum) hulls, carrot and cabbage by adult 62, 563, 1989 cockerels.

## Digestion of cellulose

Preparation and characterization of a [14C]cellulose suitable for human metabolic studies.

62, 121, 1989

#### Double-label stable isotope technique

Studies on calcium absorption from milk using a double-label stable isotope technique. 62, 379, 1989

**Doubly-labelled** water technique

Energy expenditure of Gambian women during peak agricultural activity measured by the doublylabelled water method. **62**, 315, 1989

## Duodenal morphology

The effect of differences in dietary iron intake on

<sup>59</sup>Fe absorption and duodenal morphology in 62, 707, 1989 pregnant rats. Editorial

- Editorial. 62, 1, 241, 527, 1989 Energy expenditure
  - Energy expenditure of Gambian women during peak agricultural activity measured by the doublylabelled water method. 62, 315, 1989 Energy expenditure in early infancy. 62, 621, 1989
  - Basal metabolic rate and energy expenditure of pregnant Nigerian women 62, 631, 1989
  - Energy expenditure associated with sodium/ potassium transport and protein synthesis in skeletal muscle and isolated hepatocytes from hyperthyroid sheep. **62**, 673, 1989

# **Energy-sparing adaptations**

Energy-sparing adaptations in human pregnancy assessed by whole-body calorimetry. 62, 5, 1989 Environmental temperature

The effect of environmental temperature on prandial changes in leucocyte sodium transport in man. 62, 639, 1989

# Enzyme supplementation

Enzyme supplementation of a poultry diet containing rye and wheat. 62, 139, 1989 Fat mass

An improved method for estimating changes in whole-body fat and protein mass in man.

62, 311, 1989

#### Fat mobilization

Relations between plasma non-esterified fatty acid metabolism and body fat mobilization in primiparous lactating goats. 62, 51, 1989

Fatty acids

- The effect of food deprivation on the fatty acid and lipid profile of red seabream (Pagrus major) 62, 349, 1989 larvae.
- Breast milk fatty acids in mothers of children with atopic eczema. 62, 693, 1989

# Feeding frequency

Effect of frequency of feeding of diets containing free or protein-bound lysine on the oxidation of [<sup>14</sup>C]lysine or [<sup>14</sup>C]phenylalanine by growing pigs. **62**, 647, 1989

#### Fibre polysaccharides

Digestion of fibre polysaccharides of pea (Pisum sativum) hulls, carrot and cabbage by adult 62, 563, 1989 cockerels.

#### Folate

Relation between some folate-dependent metabolic pathways and dietary folate content in chicks. 62, 203, 1989

## Folate metabolism

The effect of dietary zinc deficiency on pancreatic  $\gamma$ -glutamyl hydrolase (EC 3.4.22.12) activity and on the absorption of pteroylpolyglutamate in 62, 185, 1989 rats.

#### GABA

Brain glutamate and  $\gamma$ -aminobutyrate (GABA) metabolism in thiamin-deficient rats.

62, 245, 1989

#### Glucose

Intestinal zinc transfer by everted gut sacs from rats given diets containing different amounts and types of dietary fibre. 62, 151, 1989

# **Glucose tolerance test**

Modulation of postprandial glycaemia and insulinaemia by cellulose in mixed nutrient combinations. 62, 131, 1989

# Glutathione

Effect of oral glutathione on hepatic glutathione levels in rats and mice. 62, 683, 1989

# Glycaemic index

Modulation of postprandial glycaemia and insulinaemia by cellulose in mixed nutrient combin-62, 131, 1989 ations.

# Growth

- Effects of potassium deficiency on growth and protein synthesis in skeletal muscle and the heart of rats. 62, 269, 1989
- Nutrient supply and growth of cattle offered strawbased diets. 62, 601, 1989

# Holotrich ciliates

Mechanism whereby holotrich ciliates are retained in 62, 579, 1989 the reticulo-rumen of cattle. Human metabolic studies

Preparation and characterization of a [14C]cellulose suitable for human metabolic studies. 62, 121, 1989

# 2-Hydroxy 4-methylthiobutanoic acid

Oxidation of methionine and 2-hydroxy 4-methylthiobutanoic acid stereoisomers in chicken tissues. 62, 63, 1989

# Immune response

Impaired T lymphocyte immune response in vitamin A depleted rats and chicks. 62, 439, 1989 Infancy

Energy expenditure in early infancy. 62, 621, 1989 Insulin

Modulation of postprandial glycaemia and insulinaemia by cellulose in mixed nutrient combinations. 62, 131, 1989

## Intestinal absorption of biotin

Intestinal distribution and absorption of biotin in the chicken. 62, 389, 1989

## Iron absorption

- The effect of differences in dietary iron intake on 59Fe absorption and duodenal morphology in pregnant rats. 62, 707, 1989
- Measurement of non-haem iron absorption in nonanaemic rats using 59Fe: can the Fe content of duodenal mucosal cells cause lumen or mucosal radioisotope dilution, or both, thus resulting in the underestimation of Fe absorption?

```
62, 719, 1989
```

62, 521, 1989

#### Lactation

Relations between plasma non-esterified fatty acid metabolism and body fat mobilization in primiparous lactating goats. 62, 51, 1989 Letters to the Editors

# Leucocytes

The effect of environmental temperature on prandial changes in leucocyte sodium transport in man. 62, 639, 1989

#### Lignin fermentation

Lignocellulose degradation and subsequent metabolism of lignin fermentation products by the desert black Bedouin goat fed on wheat straw as a singlecomponent diet. **62**, 509, 1989

### Lignocellulose

Lignocellulose degradation and subsequent metabolism of lignin fermentation products by the desert black Bedouin goat fed on wheat straw as a single-62, 509, 1989 component diet. Linoleic acid

Dietary intakes and adipose tissue levels of linoleic acid in peptic ulcer disease. 62, 699, 1989 Lipid metabolism

Lipid metabolism in shorn and unshorn pregnant sheep. 62, 35, 1989

# Liver

Effect of oral glutathione on hepatic glutathione levels in rats and mice. 62, 683, 1989

# Liver IGF<sub>1</sub>

Nutrient effects on the hepatic production of somatomedin C (IGF<sub>1</sub>) in the milk-fed calf.

62, 425, 1989

803

# Lysine

Effect of frequency of feeding of diets containing free or protein-bound lysine on the oxidation of [<sup>14</sup>C]lysine or [<sup>14</sup>C]phenylalanine by growing pigs. 62, 647, 1989

### Magnesium

Calcium, magnesium and phosphorus status of elderly inpatients: dietary intake, metabolic balance studies and biochemical status.

62, 211, 1989

## Magnesium status

The effect of varying the sodium or potassium intake, or both, on magnesium status in the rat. 62, 399, 1989

### Maillard reaction products

The effect of Maillard reaction products on zinc metabolism in the rat. 62, 739, 1989

# Markers

- Theoretical considerations in the estimation of rumen fractional outflow rate from various sampling sites in the digestive tract. 62, 229, 1989
- Passage and rumination of inert particles varying in size and specific gravity as determined from analysis of faecal appearance using multicompartment models. **62**, 481, 1989

# Methionine oxidation

Oxidation of methionine and 2-hydroxy 4-methylthiobutanoic acid stereoisomers in chicken tissues. 62, 63, 1989

## Methylmalonic acid

Methylmalonic acid in the diagnosis of cobalt deficiency in barley-fed lambs. 62, 729, 1989 Milk calcium

Studies on calcium absorption from milk using a double-label stable isotope technique.

# 62, 379, 1989

## Milk-fed calf

Nutrient effects on the hepatic production of somatomedin C (IGF<sub>1</sub>) in the milk-fed calf.

62, 425, 1989

### Mineral intake

The diets of pregnant and post-pregnant women in different social groups in London and Edinburgh: calcium, iron, retinol, ascorbic acid and folic acid. 62, 363, 1989

#### Mineral supplements

The effect of combined dietary iron, calcium and

# Index of Subjects

folic acid supplementation on apparent <sup>65</sup>Zn absorption and zinc status in pregnant rats.

62, 415, 1989

### Minerals

Effect of experimental zinc deficiency and repletion on sodium, potassium, copper and iron concentrations in guinea-pigs. 62, 407, 1989

# Mucosal iron uptake

Measurement of non-haem iron absorption in nonanaemic rats using <sup>59</sup>Fe: can the Fe content of duodenal mucosal cells cause lumen or mucosal radioisotope dilution, or both, thus resulting in the underestimation of Fe absorption?

### 62, 719, 1989

#### Nitrogen loss

The effect of clenbuterol on basal protein turnover and endogenous nitrogen loss of sheep.

62, 285, 1989

### Non-esterified fatty acids

Relations between plasma non-esterified fatty acid metabolism and body fat mobilization in primiparous lactating goats. **62**, 51, 1989

# Nutrient supply

Nutrient supply and growth of cattle offered strawbased diets. 62, 601, 1989

## Oats

Effect of oat gum on the physical properties of the gastrointestinal contents and on the uptake of p-galactose and cholesterol by rat small intestine in vitro. **62**, 91, 1989

# Old age

Calcium, magnesium and phosphorus status of elderly inpatients: dietary intake, metabolic balance studies and biochemical status.

62, 211, 1989

Selenium and vitamin E status of healthy and institutionalized elderly subjects: analysis of plasma, erythrocytes and platelets. 62, 221, 1989

## Oxygen consumption

Effect of level of nutrition on splanchnic blood flow and oxygen consumption in sheep. **62**, 23, 1989

## Pancreatic enzymes

Growth, digestibility, and enzyme activities in the pancreas and intestines of guinea-pigs fed on raw and heated soya-bean flour. **62**, 529, 1989

## Particle kinetics

A quantitative model of reticulo-rumen particle degradation and passage. 62, 465, 1989

# Pectin

Bile acid conjugation and hepatic taurine concentration in rats fed on pectin. **62**, 539, 1989

# Pentosans

Enzyme supplementation of a poultry diet containing rye and wheat. **62**, 139, 1989

# Peptic ulcer

Dietary intakes and adipose tissue levels of linoleic acid in peptic ulcer disease. **62**, 699, 1989

# Phosphorus

Calcium, magnesium and phosphorus status of elderly inpatients: dietary intake, metabolic balance studies and biochemical status. 62, 211, 1989

# Plastic particle markers

Passage and rumination of inert particles varying in

size and specific gravity as determined from analysis of faecal appearance using multicompartment models. **62**, 481, 1989

# Potassium deficiency

Effects of potassium deficiency on growth and protein synthesis in skeletal muscle and the heart of rats. **62**, 269, 1989

# Potassium intake

The effect of varying the sodium or potassium intake, or both, on magnesium status in the rat. 62, 399, 1989

#### Pregnancy

Energy-sparing adaptations in human pregnancy assessed by whole-body calorimetry.

**62**, 5, 1989

- Lipid metabolism in shorn and unshorn pregnant sheep. 62, 35, 1989 The diets of pregnant and post-pregnant women in
- different social groups in London and Edinburgh: calcium, iron, retinol, ascorbic acid and folic acid. **62**, 363, 1989
- Basal metabolic rate and energy expenditure of pregnant Nigerian women 62, 631, 1989
- The effect of differences in dietary iron intake on <sup>59</sup>Fe absorption and duodenal morphology in pregnant rats. **62**, 707, 1989

# Protein digestibility

Digestibility of casein, formaldehyde-treated casein and soya-bean protein in relation to their effects on serum cholesterol in rabbits. **62**, 331, 1989 **Protein mass** 

#### rotem mass

An improved method for estimating changes in whole-body fat and protein mass in man. 62, 311, 1989

#### Protein metabolism

The influence of rumen volatile fatty acids on protein metabolism in growing lambs. 62, 297, 1989

# **Protein quality**

The optimum dietary amino acid pattern for growing pigs. 1. Experiments by amino acid deletion.

**62**, 77, 1989

### Protein requirements

The optimum dietary amino acid pattern for growing pigs. 2. Requirements for maintenance and for tissue protein accretion. 62, 255, 1989

# **Protein synthesis**

- Effects of potassium deficiency on growth and protein synthesis in skeletal muscle and the heart of rats. **62**, 269, 1989
- Tissue protein synthesis and nucleic acid concentrations in steers treated with somatotropin.

**62**, 657, 1989

Energy expenditure associated with sodium/ potassium transport and protein synthesis in skeletal muscle and isolated hepatocytes from hyperthyroid sheep. **62**, 673, 1989

# Protein turnover

The effect of clenbuterol on basal protein turnover and endogenous nitrogen loss of sheep.

**62**, 285, 1989

### Red seabream larvae The effect of food deprivation on the fatty acid and lipid profile of red seabream (*Pagrus major*) larvae. 62, 349, 1989

### Reticulo-rumen

Mechanism whereby holotrich ciliates are retained in the reticulo-rumen of cattle. 62, 579, 1989

# **Reticulo-rumen model**

- A quantitative model of reticulo-rumen particle degradation and passage. 62, 465, 1989 **Retinoic** acid
  - Rabbits fed on  $\beta$ -carotene have higher serum levels of all-trans retinoic acid than those receiving no  $\beta$ -carotene. 62, 195, 1989

## Retinol

Impaired T lymphocyte immune response in vitamin A depleted rats and chicks. 62, 439, 1989 Rumen

Lignocellulose degradation and subsequent metabolism of lignin fermentation products by the desert black Bedouin goat fed on wheat straw as a singlecomponent diet. **62**, 509, 1989

# Rumen digesta load

Influence of post-rumen supply of nutrients on rumen digesta load and voluntary intake of a roughage by sheep. 62, 589, 1989

## **Rumen emptying**

A comparison of the digestion and reduction in particle size of lucerne hay (Medicago sativa) and Italian ryegrass hay (Lolium italicum) in the ovine digestive tract. 62, 493, 1989

## Rumen retention time

Theoretical considerations in the estimation of rumen fractional outflow rate from various sampling sites in the digestive tract. 62, 229, 1989

## Rumen VFA

The influence of rumen volatile fatty acids on protein metabolism in growing lambs. 62, 297, 1989

## **Ruminant digestion**

Nutrient supply and growth of cattle offered strawbased diets. 62, 601, 1989

## **Rumination rates**

Passage and rumination of inert particles varying in size and specific gravity as determined from analysis of faecal appearance using multicompartment models. 62, 481, 1989

#### Selenium

Selenium and vitamin E status of healthy and institutionalized elderly subjects: analysis of plasma, erythrocytes and platelets.

62, 221, 1989

## Shearing

Lipid metabolism in shorn and unshorn pregnant sheep. 62, 35, 1989

# Social group

The diets of pregnant and post-pregnant women in different social groups in London and Edinburgh: calcium, iron, retinol, ascorbic acid and folic acid. 62, 363, 1989

# Sodium intake

The effect of varying the sodium or potassium intake, or both, on magnesium status in the rat. **62**, 399, 1989

#### Sodium/potassium transport

Energy expenditure associated with sodium/ potassium transport and protein synthesis in skeletal muscle and isolated hepatocytes from hyperthyroid sheep. 62, 673, 1989

## Soft drinks

Laboratory studies of the dental properties of soft drinks. 62, 451, 1989

# Sodium transport

The effect of environmental temperature on prandial changes in leucocyte sodium transport in man. 62, 639, 1989

#### Somatomedin C

Nutrient effects on the hepatic production of somatomedin C (IGF<sub>1</sub>) in the milk-fed calf. 62, 425, 1989Somatotropin

Tissue protein synthesis and nucleic acid concentrations in steers treated with somatotropin.

62, 657, 1989

805

#### Soya-bean flour

Growth, digestibility, and enzyme activities in the pancreas and intestines of guinea-pigs fed on raw and heated soya-bean flour. 62, 529, 1989

Specific gravity

Passage and rumination of inert particles varying in size and specific gravity as determined from analysis of faecal appearance using multicompartment models. 62, 481, 1989

# Splanchnic blood flow

Effect of level of nutrition on splanchnic blood flow and oxygen consumption in sheep. 62, 23, 1989 Starvation

- The effect of food deprivation on the fatty acid and lipid profile of red seabream (Pagrus major) larvae. 62, 349, 1989
- Effect of oral glutathione on hepatic glutathione levels in rats and mice. **62**, 683, 1989 **T** lymphocytes

Impaired T lymphocyte immune response in vitamin A depleted rats and chicks. 62, 439, 1989 Taurine

Bile acid conjugation and hepatic taurine concentration in rats fed on pectin. 62, 539, 1989 Teeth

Laboratory studies of the dental properties of soft drinks. 62, 451, 1989

# Thiamin deficiency

Brain glutamate and  $\gamma$ -aminobutyrate (GABA) metabolism in thiamin-deficient rats.

62, 245, 1989

## **Trypsin** inhibitors

Growth, digestibility, and enzyme activities in the pancreas and intestines of guinea-pigs fed on raw and heated soya-bean flour. 62, 529, 1989

# Undernutrition

Lipid metabolism in shorn and unshorn pregnant sheep. 62, 35, 1989

# Vitamin B<sub>12</sub>

- Methylmalonic acid in the diagnosis of cobalt deficiency in barley-fed lambs. 62, 729, 1989 Vitamin E
  - Selenium and vitamin E status of healthy and institutionalized elderly subjects: analysis of plasma, erythrocytes and platelets. 62, 221, 1989

Vitamin intake

The diets of pregnant and post-pregnant women in different social groups in London and Edinburgh: calcium, iron, retinol, ascorbic acid and folic acid. 62, 363, 1989

62, 311, 1989

## Volatile fatty acids

The influence of rumen volatile fatty acids on protein metabolism in growing lambs. **62**, 297, 1989

# Voluntary food intake

Influence of post-rumen supply of nutrients on rumen digesta load and voluntary intake of a roughage by sheep. **62**, 589, 1989

## Wheat bran

The availability of zinc in endosperm, whole grain and bran-enriched wheat crispbreads fed to rats on a Zn-deficient diet. **62**, 165, 1989

# Whole-body calorimetry

Energy-sparing adaptations in human pregnancy assessed by whole-body calorimetry. 62, 5, 1989

### Whole body fat and protein mass

An improved method for estimating changes in whole-body fat and protein mass in man.

#### Zinc

Intestinal zinc transfer by everted gut sacs from rats given diets containing different amounts and types of dietary fibre. **62**, 151, 1989

- The effect of dietary zinc deficiency on pancreatic  $\gamma$ -glutamyl hydrolase (*EC* 3.4.22.12) activity and on the absorption of pteroylpolyglutamate in rats. **62**, 185, 1989
- The effect of combined dietary iron, calcium and folic acid supplementation on apparent <sup>65</sup>Zn absorption and zinc status in pregnant rats. 62, 415, 1989

# Zinc availabiity

The availability of zinc in endosperm, whole grain and bran-enriched wheat crispbreads fed to rats on a Zn-deficient diet. **62**, 165, 1989

### Zinc deficiency

- The availability of zinc in endosperm, whole grain and bran-enriched wheat crispbreads fed to rats on a Zn-deficient diet. **62**, 165, 1989
- Effect of experimental zinc deficiency and repletion on sodium, potassium, copper and iron concentrations in guinea-pigs. **62**, 407, 1989

## Zinc metabolism

The effect of Maillard reaction products on zinc metabolism in the rat. **62**, 739, 1989