

Arie Bar

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,184
citations

304743

22
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium transport in strongly calcifying laying birds: Mechanisms and regulation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2009, 152, 447-469.	1.8	118
2	The Interaction between Dietary Calcium and Gonadal Hormones in Their Effect on Plasma Calcium, Bone, 25-Hydroxycholecalciferol-1-Hydroxylase, and Duodenal Calcium-Binding Protein, Measured by a Radio-Immunoassay in Chicks ^{1*} . <i>Endocrinology</i> , 1979, 104, 1455-1460.	2.8	84
3	Absorption and Excretion of Cholecalciferol and of 25-Hydroxycholecalciferol and Metabolites in Birds. <i>Journal of Nutrition</i> , 1980, 110, 1930-1934.	2.9	64
4	The functional metabolism of vitamin D in chicks fed low-calcium and low-phosphorus diets. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1975, 385, 438-442.	2.4	63
5	Calcium homeostasis and vitamin D metabolism and expression in strongly calcifying laying birds. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, 477-490.	1.8	59
6	Metabolism and requirements for calcium and phosphorus in the fast-growing chicken as affected by age. <i>British Journal of Nutrition</i> , 2003, 89, 51-60.	2.3	57
7	Calcium and Phosphorus Interrelationships in the Intestine of the Fowl. <i>Journal of Nutrition</i> , 1971, 101, 677-685.	2.9	56
8	Regulation of Osteopontin Gene Expression During Egg Shell Formation in the Laying Hen by Mechanical Strain. <i>Matrix Biology</i> , 1998, 17, 615-623.	3.6	55
9	Uterine calcium-binding protein in the laying fowl. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1973, 45, 579-586.	0.6	44
10	Vitamin D Metabolism and Calbindin (Calcium-Binding Protein) in Aged Laying Hens. <i>Journal of Nutrition</i> , 1987, 117, 1775-1779.	2.9	43
11	Egg Shell Quality, Medullary Bone Ash, Intestinal Calcium and Phosphorus Absorption, and Calcium-Binding Protein in Phosphorus-Deficient Hens. <i>Poultry Science</i> , 1984, 63, 1975-1979.	3.4	36
12	The role of 25-hydroxycholecalciferol-1-hydroxylase in the responses of calcium absorption to the reproductive activity in birds. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1977, 57, 335-339.	0.6	35
13	Differential Response of Calcium Transport Systems in Laying Hens to Exogenous and Endogenous Changes in Vitamin D Status. <i>Journal of Nutrition</i> , 1978, 108, 1322-1328.	2.9	33
14	The Effect of Pre-Laying Mineral Nutrition on the Development, Performance and Mineral Metabolism of Pullets. <i>Poultry Science</i> , 1971, 50, 1044-1055.	3.4	31
15	The response of 25-hydroxycholecalciferol-1-hydroxylase activity, intestinal calcium absorption, and calcium-binding protein to phosphate deficiency in chicks. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1977, 57, 331-334.	0.6	31
16	Intestinal and eggshell calbindin, and bone ash of laying hens as influenced by age and molting. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 136, 673-682.	1.8	26
17	Differential Regulation of Calbindin in the Calcium-Transporting Organs of Birds with High Calcium Requirements. <i>Journal of Poultry Science</i> , 2009, 46, 267-285.	1.6	25
18	Calcium Metabolism of Hens Secreting Heavy or Light Egg Shells. <i>Poultry Science</i> , 1967, 46, 1522-1527.	3.4	24

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19	Egg Shell Quality and Cholecalciferol Metabolism in Aged Laying Hens. <i>Journal of Nutrition</i> , 1988, 118, 1018-1023.	2.9	23
20	Relation between the Lumen-Blood Electrochemical Potential Difference of Calcium, Calcium Absorption and Calcium-binding Protein in the Intestine of the Fowl. <i>Journal of Nutrition</i> , 1969, 99, 217-224.	2.9	22
21	Duodenal Calcium Binding Protein in the Chick: A New Bioassay for Vitamin D. <i>Journal of Nutrition</i> , 1974, 104, 1202-1207.	2.9	22
22	Regulation of kidney calcium-binding protein in the bird (<i>Callus domesticus</i>). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1986, 83, 277-281.	0.6	22
23	Calcium-Binding Protein and Kidney 25-hydroxycholecalciferol-1-hydroxylase Activity in Turkey Poults. <i>Journal of Nutrition</i> , 1978, 108, 1501-1507.	2.9	20
24	Studies on the Mode of Action of Calciferol. XXXIV. Relationship of the Distribution of 25-Hydroxyvitamin D ₃ Metabolites to Gonadal Activity and Egg Shell Formation in the Quail*. <i>Endocrinology</i> , 1981, 109, 950-955.	2.8	20
25	The lack of relationships between vitamin D ₃ metabolites and calcium-binding protein in the eggshell gland of laying birds. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1984, 78, 75-79.	0.2	20
26	Involvement of cholecalciferol metabolism in birds in the adaptation of calcium absorption to the needs during reproduction. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1978, 59, 245-249.	0.2	19
27	Regulation of Intestinal Calcium Absorption in the Laying Quail: Independent of Kidney Vitamin D Hydroxylation. <i>Journal of Nutrition</i> , 1976, 106, 1336-1342.	2.9	18
28	Relationships between Cholecalciferol Metabolism and Growth in Chicks as Modified by Age, Breed and Diet. <i>Journal of Nutrition</i> , 1981, 111, 399-404.	2.9	17
29	Calcium Absorption, Calcium-Binding Protein, and Egg Shell Quality in Laying Hens Fed Hydroxylated Vitamin D Derivatives. <i>Poultry Science</i> , 1978, 57, 1646-1651.	3.4	16
30	Field Rickets in Turkeys: Relationship to Vitamin D. <i>Poultry Science</i> , 1987, 66, 68-72.	3.4	13
31	Calcium restriction and intestinal calcium-binding protein in the laying fowl. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1973, 45, 571-577.	0.6	12
32	The 25-hydroxycholecalciferol-1-hydroxylase activity of chick kidney cells: direct effect of parathyroid. <i>FEBS Letters</i> , 1980, 113, 328-330.	2.8	12
33	Cholecalciferol Requirements of Young Turkeys under Normal Conditions and during Recovery from Rickets. <i>Journal of Nutrition</i> , 1982, 112, 1779-1786.	2.9	10
34	Relationship of duodenal calcium-binding protein to calcium absorption in the laying fowl. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1972, 41, 735-744.	0.2	9
35	In vitro calcium transport in laying fowl intestine: Effect of bile preparations. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1972, 41, 383-389.	0.6	5
36	Bone Ash and Duodenal Calcium-Binding Protein in Chicks Treated with EHDP, . <i>Poultry Science</i> , 1973, 52, 2338-2339.	3.4	5

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37	Bone ash, duodenal ⁴⁵ Ca absorption and calcium-binding protein in chicks fed lathyrogens. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1974, 47, 1257-1263.	0.6	5
38	In Vitro Calcium Transport in Laying Fowl Intestine: Characterization of the System and Medium Composition. <i>Poultry Science</i> , 1969, 48, 1105-1113.	3.4	4
39	Induced changes in the affinity of 1,25-dihydroxyvitamin D ₃ receptors in chick intestine. <i>FEBS Letters</i> , 1983, 163, 261-264.	2.8	4
40	Evidence for a direct effect of parathyroid on the metabolism of 25-hydroxycholecalciferol by chick kidney cells in vitro. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1981, 68, 401-405.	0.2	2