Tohru Matsui

List of Publications by Year
in descending order

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86 papers	1,084 citations	430442 18 h-index	476904 29 g-index
87 all docs	87 docs citations	87 times ranked	1466 citing authors

#	Article	IF	Citations
1	Identification and expression of bovine Ucp1 variants. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159111.	1.2	1
2	Enhancement of vitamin C-induced myogenesis by inhibition of extracellular signal-regulated kinase (ERK) 1/2 pathway. Biochemical and Biophysical Research Communications, 2022, 612, 57-62.	1.0	4
3	Factors affecting the induction of uncoupling protein 1 in C2C12 myogenic cells. Cytokine, 2022, 157, 155936.	1.4	0
4	Magnesium bioavailability of dried and thinly shaved kombu in rats. Journal of the Science of Food and Agriculture, 2021, 101, 272-278.	1.7	1
5	Regulatory expression of uncoupling protein 1 and its related genes by endogenous activity of the transforming growth factorâ€Î² family in bovine myogenic cells. Cell Biochemistry and Function, 2021, 39, 116-125.	1.4	4
6	Stimulation of myogenesis by ascorbic acid and capsaicin. Biochemical and Biophysical Research Communications, 2021, 568, 83-88.	1.0	4
7	Response to iron overload in cultured hepatocytes. Scientific Reports, 2020, 10, 21184.	1.6	11
8	Regulatory expression of bone morphogenetic protein 6 by 2,2â€²-dipyridyl. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129610.	1.1	11
9	Factors affecting expression and transcription of uncoupling protein 2 gene. Journal of Veterinary Medical Science, 2020, 82, 1734-1741.	0.3	0
10	Relationships between expression levels of genes related to adipogenesis and adipocyte function in dogs. Molecular Biology Reports, 2019, 46, 4771-4777.	1.0	2
11	Effects of feeding on plasma concentrations of vitamin A in captive African penguins (<i>Spheniscus demersus</i>). Journal of Veterinary Medical Science, 2019, 81, 1580-1585.	0.3	1
12	Chronic retinoic acid treatment induces differentiation and changes in the metabolite levels of brown (pre)adipocytes. Cell Biochemistry and Function, 2019, 37, 377-384.	1.4	3
13	Hepcidin and IL-1Î². Vitamins and Hormones, 2019, 110, 143-156.	0.7	31
14	Metabolic changes in adipose tissues in response to Î²₃â€adrenergic receptor activation in mice. Journal of Cellular Biochemistry, 2019, 120, 821-835.	1.2	21
15	Effect of molting on the concentration of plasma 25-hydroxyvitamin D in captive African penguins (Spheniscus demersus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 227, 100-104.	0.8	0
16	Basic Studies of Mineral Nutrition Centered on Magnesium. Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science, 2019, 72, 211-219.	0.2	0
17	Effect of a rumen-protected choline supplementation on bodyweight gain in Japanese Black steer calves transported with feed and water deprivation. Nihon Chikusan Gakkaiho, 2019, 90, 23-29.	0.0	0
18	Regulatory responses of hepatocytes, macrophages and vascular endothelial cells to magnesium deficiency. Journal of Nutritional Biochemistry, 2018, 56, 35-47.	1.9	16

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19	Supra-pharmacological concentration of capsaicin stimulates brown adipogenesis through induction of endoplasmic reticulum stress. Scientific Reports, 2018, 8, 845.	1.6	28
20	Relationships between mineral concentrations and physicochemical characteristics in the Longissimus thoracis muscle of Japanese Black cattle. Animal Science Journal, 2018, 89, 211-218.	0.6	6
21	Role of estradiol and testosterone in Ucp1 expression in brown/beige adipocytes. Cell Biochemistry and Function, 2018, 36, 450-456.	1.4	7
22	JNK facilitates IL-1Î²-induced hepcidin transcription via JunB activation. Cytokine, 2018, 111, 295-302.	1.4	10
23	Effect of niacin supplementation in longâ€distance transported steer calves. Animal Science Journal, 2018, 89, 1442-1450.	0.6	3
24	Investigation of pharmacological responses to anti-diabetic drugs in female Spontaneously Diabetic Torii (SDT) fatty rats, a new nonalcoholic steatohepatitis (NASH) model. Journal of Veterinary Medical Science, 2018, 80, 878-885.	0.3	4
25	Expression levels of brown/beige adipocyte-related genes in fat depots of vitamin A-restricted fattening cattle1. Journal of Animal Science, 2018, 96, 3884-3896.	0.2	13
26	Effect of feeding sweetâ€potato condensed distillers solubles on intake and urinary excretion of minerals in Japanese Black steers. Animal Science Journal, 2017, 88, 79-85.	0.6	3
27	Interleukin-1Î² (IL-1Î²) transcriptionally activates hepcidin by inducing CCAAT enhancer-binding protein Î´ (C/EBPÎ´) expression in hepatocytes. Journal of Biological Chemistry, 2017, 292, 10275-10287.	1.6	59
28	Effect of longâ€distance transportation on serum metabolic profiles of steer calves. Animal Science Journal, 2017, 88, 1970-1978.	0.6	14
29	Identification of novel bone morphogenetic proteinâ€responsive elements in a hepcidin promoter. FEBS Letters, 2017, 591, 3895-3905.	1.3	2
30	Excess Sucrose and Fat Intake Exacerbates Magnesium Deficiency in Rats. Nihon EiyÅ•ShokuryÅ•Gakkai Shi = Nippon EiyÅ•ShokuryÅ•Gakkaishi = Journal of Japanese Society of Nutrition and Food Science, 2017, 70, 157-163.	0.2	0
31	Regulation of hepcidin expression by inflammation-induced activin B. Scientific Reports, 2016, 6, 38702.	1.6	37
32	Fluctuations in metabolite content in the liver of magnesium-deficient rats. British Journal of Nutrition, 2016, 116, 1694-1699.	1.2	11
33	Modulation of brown adipocyte activity by milk byâ€products: Stimulation of brown adipogenesis by buttermilk. Cell Biochemistry and Function, 2016, 34, 647-656.	1.4	1
34	Direct action of capsaicin in brown adipogenesis and activation of brown adipocytes. Cell Biochemistry and Function, 2016, 34, 34-41.	1.4	46
35	Dietary regulation of Ucp2 and Ucp3 expressions in white adipose tissues of beef cattle. Canadian Journal of Animal Science, 2016, 96, 457-460.	0.7	5
36	Modulation of the cellular content of metabolites in adipocytes by insulin. Molecular and Cellular Endocrinology, 2016, 424, 71-80.	1.6	9

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37	Steatohepatitis is developed by a diet high in fat, sucrose, and cholesterol without increasing iron concentration in rat liver. Biological Trace Element Research, 2016, 170, 401-409.	1.9	2
38	Role of a TPA-responsive element in hepcidin transcription induced by the bone morphogenetic protein pathway. Biochemical and Biophysical Research Communications, 2015, 466, 162-166.	1.0	2
39	Regulatory expression of components in the BMP pathway in white adipose tissues of cattle. Livestock Science, 2015, 174, 144-149.	0.6	1
40	Downregulation of Pgcâ€1Î± expression by tea leaves and their byâ€products. Cell Biochemistry and Function, 2014, 32, 236-240.	1.4	3
41	The regulation of hepcidin expression by serum treatment: Requirements of the BMP response element and STAT- and AP-1-binding sites. Gene, 2014, 551, 119-126.	1.0	21
42	Hepcidin expression in liver cells: evaluation of mRNA levels and transcriptional regulation. Gene, 2014, 546, 50-55.	1.0	21
43	Effects of Vitamin A Status on Expression of Ucp1 and Brown/Beige Adipocyte-Related Genes in White Adipose Tissues of Beef Cattle. Journal of Veterinary Medical Science, 2014, 76, 1261-1265.	0.3	8
44	Induction of Beige-Like Adipocytes in 3T3-L1 Cells. Journal of Veterinary Medical Science, 2014, 76, 57-64.	0.3	79
45	Regulation of brown adipogenesis by the Tgf-Î² family: Involvement of Srebp1c in Tgf-Î²- and Activin-induced inhibition of adipogenesis. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 5027-5035.	1.1	23
46	Bmp4 expressed in preadipocytes is required for the onset of adipocyte differentiation. Cytokine, 2013, 64, 138-145.	1.4	28
47	Diet-induced changes in Ucp1 expression in bovine adipose tissues. General and Comparative Endocrinology, 2013, 184, 87-92.	0.8	36
48	The Effects of Magnesium Deficiency on Molybdenum Metabolism in Rats. Biological Trace Element Research, 2013, 151, 100-104.	1.9	5
49	Magnesium Deficiency Induces the Emergence of Mast Cells in the Liver of Rats. Journal of Nutritional Science and Vitaminology, 2013, 59, 560-563.	0.2	20
50	Magnesium and calcium deficiencies additively increase zinc concentrations and metallothionein expression in the rat liver. British Journal of Nutrition, 2013, 109, 425-432.	1.2	15
51	Regulatory responses to excess zinc ingestion in growing rats. British Journal of Nutrition, 2012, 107, 1655-1663.	1.2	12
52	Reduction of liver manganese concentration in response to the ingestion of excess zinc: identification using metallomic analyses. Metallomics, 2012, 4, 847.	1.0	8
53	Magnesium absorption from mineral water decreases with increasing quantities of magnesium per serving in rats. Nutrition Research, 2012, 32, 59-65.	1.3	5
54	The in vitro digestibility and absorption of magnesium in some edible seaweeds. Journal of the Science of Food and Agriculture, 2012, 92, 2305-2309.	1.7	11

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55	Endogenous Bmp4 in myoblasts is required for myotube formation in C2C12 cells. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 1127-1135.	1.1	17
56	Effect of Magnesium Deficiency on Various Mineral Concentrations in Rat Liver. Biological Trace Element Research, 2011, 144, 865-871.	1.9	8
57	Role of endogenous TGFâ€Î² family in myogenic differentiation of C2C12 cells. Journal of Cellular Biochemistry, 2011, 112, 614-624.	1.2	31
58	Magnesium deficiency upâ€regulates Myod expression in rat skeletal muscle and C2C12 myogenic cells. Cell Biochemistry and Function, 2011, 29, 577-581.	1.4	5
59	Hepcidin expression in the liver of rats fed a magnesium-deficient diet. British Journal of Nutrition, 2011, 106, 1169-1172.	1.2	8
60	BMP Inhibition with Dorsomorphin Limits Adipogenic Potential of Preadipocytes. Journal of Veterinary Medical Science, 2010, 72, 373-377.	0.3	19
61	The degradation characteristics of roughages in the rumen of sheep. Japanese Journal of Sheep Science, 2009, 2009, 12-19.	0.1	0
62	Efficacy of a genetically modified yeast phytase on phosphorus bioavailability in a cornâ€soybean meal based diet for growing pigs. Animal Science Journal, 2008, 79, 466-471.	0.6	3
63	Response of Biochemical Markers of Bone Metabolism to Exercise Intensity in Thoroughbred Horses. Journal of Equine Science, 2008, 19, 83.	0.2	6
64	Myostatin inhibits differentiation of bovine preadipocyte. Domestic Animal Endocrinology, 2007, 32, 1-14.	0.8	75
65	Urinary excretion of purine derivatives and plasma allantoin level in sheep and goats during fasting. Animal Science Journal, 2007, 78, 129-134.	0.6	6
66	The effect of exogenous purine supply on the endogenous excretion of purine derivatives in the urine of growing lambs. Animal Science Journal, 2006, 77, 582-586.	0.6	2
67	Effects of excess calcium as a different form on mineral metabolism in rats. Animal Science Journal, 2005, 76, 469-474.	0.6	9
68	Activin A inhibits differentiation of 3T3-L1 preadipocyte. Molecular and Cellular Endocrinology, 2005, 232, 21-26.	1.6	60
69	Expression of agouti gene in bovine adipocytes. Animal Science Journal, 2004, 75, 49-51.	0.6	16
70	Effects of protein deficiency on the mRNA levels of insulin-like growth factors and myostatin in skeletal muscle of weaned lambs. Animal Science Journal, 2004, 75, 207-212.	0.6	3
71	Does acclimation reduce the negative effects of acorn tannins in the wood mouseApodemus speciosus?. Acta Theriologica, 2004, 49, 203-214.	1.1	15
72	Determination of plasma vitamin C concentration in fattening cattle. Animal Science Journal, 2003, 74, 7-10.	0.6	8

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73	Fat depot-specific differences in leptin mRNA expression and its relation to adipocyte size in steers. Animal Science Journal, 2003, 74, 17-21.	0.6	17
74	Relationship between the Total Sweating Rate and the Unit Area Sweating Rate at the Neck during Exercise in Horses. Journal of Equine Science, 2003, 14, 1-3.	0.2	0
75	Estimation of Total Sweating Rate and Mineral Loss Through Sweat during Exercise in 2-years Old Horses at Cool Ambient Temperature. Journal of Equine Science, 2002, 13, 109-112.	0.2	2
76	Differences in Unit Area Sweating Rate among Different Areas of the Body in Exercising Horses. Journal of Equine Science, 2002, 13, 113-116.	0.2	3
77	Absorption of Zinc from Dietary Casein Phosphopeptide Complex with Zinc in Rats Given a Soybean Protein-Based Diet.. Journal of Nutritional Science and Vitaminology, 2002, 48, 247-250.	0.2	14
78	Relationship between mineral availabilities and dietary phytate in animals. Animal Science Journal, 2002, 73, 21-28.	0.6	11
79	Zinc Distribution in the Small-Intestinal Digesta of Pigs Fed Skim Milk Powder or Defatted Soybean Flour. Biological Trace Element Research, 2000, 74, 31-40.	1.9	5
80	Formaldehyde treatment suppresses ruminal degradation of phytate in soyabean meal and rapeseed meal. British Journal of Nutrition, 1999, 81, 467-471.	1.2	35
81	The Effect of Treated (Spray-Dried) Beef-Tallow Supplementation on Fattening Performance in Japanese Black-breed (WAGYU) Steers. Nihon Chikusan Gakkaiho, 1999, 70, 174-180.	0.0	1
82	Effect of Dietary Microbial Phytase on Zinc Bioavailability in Growing Pigs. Nihon Chikusan Gakkaiho, 1999, 70, 306-311.	0.0	1
83	Effect of Yeast Phytase on Phosphorus Absorption in Pigs Fed a Corn-soybean Meal Based Diet. Nihon Chikusan Gakkaiho, 1999, 70, 479-483.	0.0	0
84	Fermentation of soybean meal withAspergillus usamii improves zinc availability in rats. Biological Trace Element Research, 1998, 61, 227-234.	1.9	31
85	Vitamin A and adipocyte differentiation in beef cattle. The Journal of Animal Genetics, 1996, 24, 37-44.	0.1	2
86	Suppressive effect of calcitonin on intestinal absorption of calcium and phosphorus in sheep.. Endocrinologia Japonica, 1983, 30, 485-490.	0.5	3