

Michael Toscano

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,468
citations

279798

23
h-index

345221

36
g-index

51
all docs

51
docs citations

51
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	Causes of keel bone damage and their solutions in laying hens. <i>World's Poultry Science Journal</i> , 2015, 71, 461-472.	3.0	99
2	Modification of aviary design reduces incidence of falls, collisions and keel bone damage in laying hens. <i>Applied Animal Behaviour Science</i> , 2015, 165, 112-123.	1.9	93
3	Methods for assessment of keel bone damage in poultry. <i>Poultry Science</i> , 2015, 94, 2339-2350.	3.4	76
4	Use of outdoor ranges by laying hens in different sized flocks. <i>Applied Animal Behaviour Science</i> , 2014, 155, 74-81.	1.9	71
5	Soft Perches in an Aviary System Reduce Incidence of Keel Bone Damage in Laying Hens. <i>PLoS ONE</i> , 2015, 10, e0122568.	2.5	71
6	Continuous monitoring of pop hole usage by commercially housed free-range hens throughout the production cycle. <i>Veterinary Record</i> , 2011, 169, 338-338.	0.3	65
7	Pop hole use by hens with different keel fracture status monitored throughout the laying period. <i>Veterinary Record</i> , 2012, 170, 494-494.	0.3	55
8	Reduced bone breakage and increased bone strength in free range laying hens fed omega-3 polyunsaturated fatty acid supplemented diets. <i>Bone</i> , 2013, 52, 578-586.	2.9	51
9	Assessing Activity and Location of Individual Laying Hens in Large Groups Using Modern Technology. <i>Animals</i> , 2016, 6, 10.	2.3	51
10	Explanations for keel bone fractures in laying hens: are there explanations in addition to elevated egg production?. <i>Poultry Science</i> , 2020, 99, 4183-4194.	3.4	49
11	Keel bone fractures affect egg laying performance but not egg quality in laying hens housed in a commercial aviary system. <i>Poultry Science</i> , 2019, 98, 1589-1600.	3.4	45
12	Susceptibility to keel bone fractures in laying hens and the role of genetic variation. <i>Poultry Science</i> , 2017, 96, 3517-3528.	3.4	44
13	Genetic selection to increase bone strength affects prevalence of keel bone damage and egg parameters in commercially housed laying hens. <i>Poultry Science</i> , 2016, 95, 975-984.	3.4	41
14	Keel bone fractures are associated with individual mobility of laying hens in an aviary system. <i>Applied Animal Behaviour Science</i> , 2019, 217, 48-56.	1.9	41
15	Review of Sensor Technologies in Animal Breeding: Phenotyping Behaviors of Laying Hens to Select Against Feather Pecking. <i>Animals</i> , 2019, 9, 108.	2.3	40
16	Finding hens in a haystack: Consistency of movement patterns within and across individual laying hens maintained in large groups. <i>Scientific Reports</i> , 2018, 8, 12303.	3.3	38
17	Humanely Ending the Life of Animals: Research Priorities to Identify Alternatives to Carbon Dioxide. <i>Animals</i> , 2019, 9, 911.	2.3	36
18	The effects of long (C20/22) and short (C18) chain omega-3 fatty acids on keel bone fractures, bone biomechanics, behavior, and egg production in free-range laying hens. <i>Poultry Science</i> , 2015, 94, 823-835.	3.4	33

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19	A Reliable Method to Assess Keel Bone Fractures in Laying Hens From Radiographs Using a Tagged Visual Analogue Scale. <i>Frontiers in Veterinary Science</i> , 2018, 5, 124.	2.2	32
20	Laying henâ€™s mobility is impaired by keel bone fractures and does not improve with paracetamol treatment. <i>Applied Animal Behaviour Science</i> , 2019, 216, 19-25.	1.9	30
21	Keel bone fractures induce a depressive-like state in laying hens. <i>Scientific Reports</i> , 2020, 10, 3007.	3.3	30
22	Development of an Ex Vivo Protocol to Model Bone Fracture in Laying Hens Resulting from Collisions. <i>PLoS ONE</i> , 2013, 8, e66215.	2.5	29
23	The Ethics of Laying Hen Genetics. <i>Journal of Agricultural and Environmental Ethics</i> , 2020, 33, 15-36.	1.7	29
24	Radiographic Evaluation of Keel Bone Damage in Laying Hensâ€™ Morphologic and Temporal Observations in a Longitudinal Study. <i>Frontiers in Veterinary Science</i> , 2020, 7, 129.	2.2	28
25	Perch use by broiler breeders and its implication on health and production. <i>Poultry Science</i> , 2017, 96, 3539-3549.	3.4	22
26	Feeder space affects access to the feeder, aggression, and feed conversion in laying hens in an aviary system. <i>Applied Animal Behaviour Science</i> , 2018, 198, 75-82.	1.9	20
27	DNA methylation variation in the brain of laying hens in relation to differential behavioral patterns. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 35, 100700.	1.0	20
28	Effects of variation in nest curtain design on pre-laying behaviour of domestic hens. <i>Applied Animal Behaviour Science</i> , 2015, 170, 34-43.	1.9	18
29	Use of aerial perches and perches on aviary tiers by broiler breeders. <i>Applied Animal Behaviour Science</i> , 2018, 203, 24-33.	1.9	18
30	Nest choice in laying hens: Effects of nest partitions and social status. <i>Applied Animal Behaviour Science</i> , 2015, 169, 43-50.	1.9	17
31	Panic in free-range laying hens. <i>Veterinary Record</i> , 2012, 170, 519-519.	0.3	16
32	Modeling collisions in laying hens as a tool to identify causative factors for keel bone fractures and means to reduce their occurrence and severity. <i>PLoS ONE</i> , 2018, 13, e0200025.	2.5	16
33	Keel impacts and associated behaviors in laying hens. <i>Applied Animal Behaviour Science</i> , 2020, 222, 104886.	1.9	15
34	Keel bone damage assessment: consistency in enriched colony laying hens. <i>Poultry Science</i> , 2019, 98, 1017-1022.	3.4	14
35	Piling behaviour in Swiss layer flocks: Description and related factors. <i>Applied Animal Behaviour Science</i> , 2021, 236, 105272.	1.9	12
36	Similarity in Temporal Movement Patterns in Laying Hens Increases with Time and Social Association. <i>Animals</i> , 2022, 12, 555.	2.3	11

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37	Keel bone differences in laying hens housed in enriched colony cages. Poultry Science, 2019, 98, 1031-1036.	3.4	10
38	Cell Proliferation in the Adult Chicken Hippocampus Correlates With Individual Differences in Time Spent in Outdoor Areas and Tonic Immobility. Frontiers in Veterinary Science, 2020, 7, 587.	2.2	10
39	Evaluation of an Active LF Tracking System and Data Processing Methods for Livestock Precision Farming in the Poultry Sector. Sensors, 2022, 22, 659.	3.8	10
40	Perch Positioning Affects both Laying Hen Locomotion and Forces Experienced at the Keel. Animals, 2020, 10, 1223.	2.3	8
41	Evaluation of Poultry Stunning with Low Atmospheric Pressure, Carbon Dioxide or Nitrogen Using a Single Aversion Testing Paradigm. Animals, 2020, 10, 1308.	2.3	8
42	Impact of a mixed chain length omega-3 fatty acid diet on production variables in commercial free-range laying hens. British Poultry Science, 2012, 53, 360-365.	1.7	7
43	Feeding from perches in an aviary system reduces aggression and mortality in laying hens. Applied Animal Behaviour Science, 2018, 202, 53-62.	1.9	7
44	Genetic variation of keel and long bone skeletal properties for 5 lines of laying hens. Journal of Applied Poultry Research, 2020, 29, 937-946.	1.2	6
45	Tracking performance in poultry is affected by data cleaning method and housing system. Applied Animal Behaviour Science, 2022, 249, 105597.	1.9	6
46	Providing ramps in rearing aviaries affects laying pullet distribution, behavior and bone properties. Journal of Applied Poultry Research, 2022, 31, 100283.	1.2	6
47	Skeletal problems in contemporary commercial laying hens. , 2018, , 151-173.		5
48	Breakdown of the ideal free distribution under conditions of severe and low competition. Behavioral Ecology and Sociobiology, 2021, 75, 1.	1.4	5
49	The effect of perches and aviary tiers on the mating behaviour of two hybrids of broiler breeders. Applied Animal Behaviour Science, 2020, 233, 105145.	1.9	2
50	Piling Behaviour in British Layer Flocks: Observations and Farmers' Experiences. Applied Animal Behaviour Science, 2022, , 105686.	1.9	2
51	Skeletal variation in bird domestication: limb proportions and sternum in chicken, with comparisons to mallard ducks and Muscovy ducks. PeerJ, 2022, 10, e13229.	2.0	0