

Simona Mattioli

List of Publications by Year in descending order

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114
papers

2,445
citations

201575

27
h-index

289141

40
g-index

114
all docs

114
docs citations

114
times ranked

2635
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Knowledge on Selenium Biofortification to Improve the Nutraceutical Profile of Food: A Comprehensive Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4075-4097.	2.4	113
2	Effect of dietary supplementation with olive pomaces on the performance and meat quality of growing rabbits. <i>Meat Science</i> , 2012, 92, 783-788.	2.7	85
3	Fatty acid composition of meat and estimated indices of lipid metabolism in different poultry genotypes reared under organic system. <i>Poultry Science</i> , 2012, 91, 2039-2045.	1.5	82
4	Former Foodstuff Products in <i>Tenebrio Molitor</i> Rearing: Effects on Growth, Chemical Composition, Microbiological Load, and Antioxidant Status. <i>Animals</i> , 2019, 9, 484.	1.0	70
5	Effect of dietary supplementation of <i>Spirulina</i> (<i>Arthrospira platensis</i>) and Thyme (<i>Thymus vulgaris</i>) on rabbit meat appearance, oxidative stability and fatty acid profile during retail display. <i>Meat Science</i> , 2014, 96, 114-119.	2.7	68
6	What is the best frame rate for evaluation of sperm motility in different species by computer-assisted sperm analysis?. <i>Fertility and Sterility</i> , 2011, 96, 24-27.	0.5	61
7	In vitro toxic effects of metal compounds on kinetic traits and ultrastructure of rabbit spermatozoa. <i>Reproductive Toxicology</i> , 2009, 27, 46-54.	1.3	59
8	Long-term effects of silver nanoparticles on reproductive activity of rabbit buck. <i>Systems Biology in Reproductive Medicine</i> , 2014, 60, 143-150.	1.0	59
9	Resistin, interleukin-6, tumor necrosis factor-alpha, and human semen parameters in the presence of leukocytospermia, smoking habit, and varicocele. <i>Fertility and Sterility</i> , 2014, 102, 354-360.	0.5	57
10	Adaptation to organic rearing system of eight different chicken genotypes: behaviour, welfare and performance. <i>Italian Journal of Animal Science</i> , 2016, 15, 37-46.	0.8	55
11	Relevance of Fatty Acids to Sperm Maturation and Quality. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	53
12	Transfer of bioactive compounds from pasture to meat in organic free-range chickens. <i>Poultry Science</i> , 2016, 95, 2464-2471.	1.5	49
13	Alfalfa and flax sprouts supplementation enriches the content of bioactive compounds and lowers the cholesterol in hen egg. <i>Journal of Functional Foods</i> , 2016, 22, 454-462.	1.6	47
14	The effects of husbandry system on the grass intake and egg nutritive characteristics of laying hens. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 459-467.	1.7	45
15	Effect of dietary alfalfa on the fatty acid composition and indexes of lipid metabolism of rabbit meat. <i>Meat Science</i> , 2014, 96, 606-609.	2.7	41
16	Morphology and Meiotic Segregation in Spermatozoa From Men of Proven Fertility. <i>Journal of Andrology</i> , 2008, 29, 106-114.	2.0	40
17	Changes in Ultrastructure and Cytoskeletal Aspects of Human Normal and Osteoarthritic Chondrocytes Exposed to Interleukin-1 β and Cyclical Hydrostatic Pressure. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26019-26034.	1.8	34
18	Dried tomato pomace supplementation to reduce lamb concentrate intake: Effects on growth performance and meat quality. <i>Meat Science</i> , 2018, 145, 63-70.	2.7	34

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19	Effect of Dietary $n-3$ PUFA Sources (Precursor/Products): A Review of Current Knowledge on Rabbit. <i>Animals</i> , 2019, 9, 806.	1.9	34
20	The effect of dietary alfalfa and flax sprouts on rabbit meat antioxidant content, lipid oxidation and fatty acid composition. <i>Meat Science</i> , 2015, 106, 31-37.	2.7	33
21	Dietary fish oil and flaxseed for rabbit does: fatty acids distribution and Δ^6 -desaturase enzyme expression of different tissues. <i>Animal</i> , 2019, 13, 1934-1942.	1.3	33
22	Feeding lambs with silage mixtures of grass, sainfoin and red clover improves meat oxidative stability under high oxidative challenge. <i>Meat Science</i> , 2019, 156, 59-67.	2.7	32
23	Infection by CagA-Positive <i>Helicobacter pylori</i> Strains may Contribute to Alter the Sperm Quality of Men with Fertility Disorders and Increase the Systemic Levels of TNF- α . <i>Digestive Diseases and Sciences</i> , 2010, 55, 94-100.	1.1	31
24	$n-3$ PUFA Sources (Precursor/Products): A Review of Current Knowledge on Rabbit. <i>Animals</i> , 2019, 9, 806.	1.0	30
25	Extensive Rearing Systems in Poultry Production: The Right Chicken for the Right Farming System. A Review of Twenty Years of Scientific Research in Perugia University, Italy. <i>Animals</i> , 2021, 11, 1281.	1.0	30
26	Effect of emotional stress on sperm quality. <i>Indian Journal of Medical Research</i> , 2008, 128, 254-61.	0.4	30
27	Cytotoxic Effects of Cannabinoids on Human HT-29 Colorectal Adenocarcinoma Cells: Different Mechanisms of THC, CBD, and CB83. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5533.	1.8	29
28	Effects of regenerative radioelectric asymmetric conveyor treatment on human normal and osteoarthritic chondrocytes exposed to IL-1 β : A biochemical and morphological study. <i>Clinical Interventions in Aging</i> , 2013, 8, 309.	1.3	28
29	Effect of age and feeding area on meat quality of wild boars. <i>Italian Journal of Animal Science</i> , 2017, 16, 353-362.	0.8	28
30	Use of olive leaves (whether or not fortified with sodium selenate) in rabbit feeding: Effect on performance, carcass and meat characteristics, and estimated indexes of fatty acid metabolism. <i>Meat Science</i> , 2018, 143, 230-236.	2.7	28
31	Possible chondroprotective effect of canakinumab: An in vitro study on human osteoarthritic chondrocytes. <i>Cytokine</i> , 2015, 71, 165-172.	1.4	25
32	The importance of transmission electron microscopy analysis of spermatozoa: Diagnostic applications and basic research. <i>Systems Biology in Reproductive Medicine</i> , 2016, 62, 171-183.	1.0	25
33	Dietary pomegranate by-product improves oxidative stability of lamb meat. <i>Meat Science</i> , 2020, 162, 108037.	2.7	25
34	Effects of Garlic Powder and Salt on Meat Quality and Microbial Loads of Rabbit Burgers. <i>Foods</i> , 2020, 9, 1022.	1.9	25
35	Spermatozoa and Chronic Treatment with Finasteride: A TEM and FISH Study. <i>Archives of Andrology</i> , 2007, 53, 229-233.	1.0	24
36	New insights into sperm with total globozoospermia: Increased fatty acid oxidation and centrin1 alteration. <i>Systems Biology in Reproductive Medicine</i> , 2019, 65, 390-399.	1.0	24

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37	Poultry Meat and Eggs as an Alternative Source of n-3 Long-Chain Polyunsaturated Fatty Acids for Human Nutrition. <i>Nutrients</i> , 2022, 14, 1969.	1.7	24
38	Use of Selenium-enriched olive leaves in the feed of growing rabbits: Effect on oxidative status, mineral profile and Selenium speciation of Longissimus dorsi meat. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 51, 98-105.	1.5	23
39	Performance, Behavior, and Welfare Status of Six Different Organically Reared Poultry Genotypes. <i>Animals</i> , 2020, 10, 550.	1.0	23
40	In vitro effect of nerve growth factor on the main traits of rabbit sperm. <i>Reproductive Biology and Endocrinology</i> , 2019, 17, 93.	1.4	22
41	Former foodstuff in mealworm farming: Effects on fatty acids profile, lipid metabolism and antioxidant molecules. <i>LWT - Food Science and Technology</i> , 2021, 147, 111644.	2.5	21
42	Rearing Romagnola geese in vineyard: pasture and antioxidant intake, performance, carcass and meat quality. <i>Italian Journal of Animal Science</i> , 2019, 18, 372-380.	0.8	20
43	Fatty Acid Profile and Metabolism Are Related to Human Sperm Parameters and Are Relevant in Idiopathic Infertility and Varicocele. <i>Mediators of Inflammation</i> , 2020, 2020, 1-13.	1.4	20
44	Effect of heat and freeze-drying treatments on phytochemical content and fatty acid profile of alfalfa and flax sprouts. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4029-4035.	1.7	19
45	Lipid metabolism analysis in liver of different chicken genotypes and impact on nutritionally relevant polyunsaturated fatty acids of meat. <i>Scientific Reports</i> , 2022, 12, 1888.	1.6	19
46	Sperm Parameters and Semen Levels of Inflammatory Cytokines in <i>Helicobacter pylori</i> infected Men. <i>Urology</i> , 2015, 86, 41-47.	0.5	18
47	Increased F ₂ -Isoprostane Levels in Semen and Immunolocalization of the 8-Iso Prostaglandin F ₂ ± in Spermatozoa from Infertile Patients with Varicocele. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	18
48	Meat quality from pigs fed tomato processing waste. <i>Meat Science</i> , 2020, 159, 107940.	2.7	18
49	Effect of Cooking Techniques on the in vitro Protein Digestibility, Fatty Acid Profile, and Oxidative Status of Mealworms (<i>Tenebrio molitor</i>). <i>Frontiers in Veterinary Science</i> , 2021, 8, 675572.	0.9	17
50	Effect of chocolate and Propofenol on rabbit spermatogenesis and sperm quality following bacterial lipopolysaccharide treatment. <i>Systems Biology in Reproductive Medicine</i> , 2014, 60, 217-226.	1.0	16
51	Effect of transport length on in vivo oxidative status and breast meat characteristics in outdoor-reared chicken genotypes. <i>Italian Journal of Animal Science</i> , 2016, 15, 191-199.	0.8	16
52	Influence of Dietary Supplementation with Prebiotic, Oregano Extract, and Vitamin E on Fatty Acid Profile and Oxidative Status of Rabbit Meat. <i>Journal of Food Quality</i> , 2017, 2017, 1-9.	1.4	16
53	The antioxidant effectiveness of liquorice (<i>Glycyrrhiza glabra</i> L.) extract administered as dietary supplementation and/or as a burger additive in rabbit meat. <i>Meat Science</i> , 2019, 158, 107921.	2.7	16
54	Relationships between Ghrelin and Obestatin with MDA, Proinflammatory Cytokines, GSH/GSSG Ratio, Catalase Activity, and Semen Parameters in Infertile Patients with Leukocytospermia and Varicocele. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-9.	1.9	16

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55	Effects of Diets Enriched in Linseed and Fish Oil on the Expression Pattern of Toll-Like Receptors 4 and Proinflammatory Cytokines on Gonadal Axis and Reproductive Organs in Rabbit Buck. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	16
56	Influence of age on sperm characteristics evaluated by light and electron microscopies. <i>Scientific Reports</i> , 2021, 11, 4989.	1.6	16
57	Carcass and Meat Characteristics of Organic Slow-Growing Chickens. <i>Italian Journal of Animal Science</i> , 2013, 12, e76.	0.8	15
58	Activity, Expression, and Substrate Preference of the Δ^6 -Desaturase in Slow- or Fast-Growing Rabbit Genotypes. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 792-800.	2.4	15
59	Effect of diet and packaging system on the oxidative status and polyunsaturated fatty acid content of rabbit meat during retail display. <i>Meat Science</i> , 2018, 143, 46-51.	2.7	15
60	Relevance of seminal F2-dihomo-IsoPs, F2-IsoPs and F4-NeuroPs in idiopathic infertility and varicocele. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 149, 106448.	1.0	15
61	How the kinetic behavior of organic chickens affects productive performance and blood and meat oxidative status: a study of six poultry genotypes. <i>Poultry Science</i> , 2021, 100, 101297.	1.5	15
62	Can <i>Helicobacter pylori</i> infection influence human reproduction?. <i>World Journal of Gastroenterology</i> , 2014, 20, 5567.	1.4	14
63	The effects in vitro of TNF- α and its antagonist α 1 β etanecepta™ on ejaculated human sperm. <i>Reproduction, Fertility and Development</i> , 2017, 29, 1169.	0.1	14
64	Infectious Burden and Semen Parameters. <i>Urology</i> , 2017, 100, 90-96.	0.5	14
65	Mobile Poultry Processing Unit as a Resource for Small Poultry Farms: Planning and Economic Efficiency, Animal Welfare, Meat Quality and Sanitary Implications. <i>Animals</i> , 2018, 8, 229.	1.0	14
66	Influence of dietary cardoon meal on growth performance and selected meat quality parameters of lambs, and the antioxidant potential of cardoon extract in ovine muscle homogenates. <i>Meat Science</i> , 2019, 153, 126-134.	2.7	13
67	Associations between biochemical components of human semen with seminal conditions. <i>Systems Biology in Reproductive Medicine</i> , 2019, 65, 155-163.	1.0	13
68	Effects of garlic powder and salt additions on fatty acids profile, oxidative status, antioxidant potential and sensory properties of raw and cooked rabbit meat burgers. <i>Meat Science</i> , 2020, 169, 108226.	2.7	13
69	Expression of genes and localization of enzymes involved in polyunsaturated fatty acid synthesis in rabbit testis and epididymis. <i>Scientific Reports</i> , 2022, 12, 2637.	1.6	13
70	Oxidation of Polyunsaturated Fatty Acids as a Promising Area of Research in Infertility. <i>Antioxidants</i> , 2022, 11, 1002.	2.2	13
71	Housing Rabbit Does in a Combi System with Removable Walls: Effect on Behaviour and Reproductive Performance. <i>Animals</i> , 2019, 9, 528.	1.0	12
72	Role of isoprostanes in human male infertility. <i>Systems Biology in Reproductive Medicine</i> , 2020, 66, 291-299.	1.0	12

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73	Role of NGF on sperm traits: A review. <i>Theriogenology</i> , 2020, 150, 210-214.	0.9	12
74	Tissue Antioxidant Status and Lipid Peroxidation Are Related to Dietary Intake of n-3 Polyunsaturated Acids: A Rabbit Model. <i>Antioxidants</i> , 2021, 10, 681.	2.2	12
75	Semen Biochemical Components in Varicocele, Leukocytospermia, and Idiopathic Infertility. <i>Reproductive Sciences</i> , 2021, 28, 91-101.	1.1	11
76	A case of severe asthenozoospermia: a novel sperm tail defect of possible genetic origin identified by electron microscopy and immunocytochemistry. <i>Fertility and Sterility</i> , 2011, 95, 289.e11-289.e16.	0.5	10
77	Light, polarizing, and transmission electron microscopy: Three methods for the evaluation of sperm quality. <i>Systems Biology in Reproductive Medicine</i> , 2013, 59, 27-33.	1.0	10
78	Effect of transport length and genotype on tonic immobility, blood parameters and carcass contamination of free-range reared chickens. <i>Italian Journal of Animal Science</i> , 2018, 17, 557-564.	0.8	10
79	Geese Reared in Vineyard: Soil, Grass and Animals Interaction. <i>Animals</i> , 2019, 9, 179.	1.0	10
80	Effect of Feed Supplemented with Selenium-Enriched Olive Leaves on Plasma Oxidative Status, Mineral Profile, and Leukocyte DNA Damage in Growing Rabbits. <i>Animals</i> , 2020, 10, 274.	1.0	10
81	Protective Effect of Chlorogenic Acid on Human Sperm: In Vitro Studies and Frozen-Thawed Protocol. <i>Antioxidants</i> , 2021, 10, 744.	2.2	10
82	Fatty Acid Oxidation and Pro-Resolving Lipid Mediators Are Related to Male Infertility. <i>Antioxidants</i> , 2022, 11, 107.	2.2	10
83	Dehydrated Alfalfa and Fresh Grass Supply in Young Rabbits: Effect on Performance and Caecal Microbiota Biodiversity. <i>Animals</i> , 2019, 9, 341.	1.0	9
84	Cytosolic phospholipase A ₂ and F ₂ isoprostanes are involved in semen quality and human infertility—A study on leucocytospermia, varicocele and idiopathic infertility. <i>Andrologia</i> , 2020, 52, e13465.	1.0	9
85	Nerve growth factor receptor role on rabbit sperm storage. <i>Theriogenology</i> , 2020, 153, 54-61.	0.9	9
86	Redox imbalance induced by docetaxel in the neuroblastoma SH-SY5Y cells: a study of docetaxel-induced neuronal damage. <i>Redox Report</i> , 2021, 26, 18-28.	1.4	9
87	Could Dietary Supplementation with Different Sources of N-3 Polyunsaturated Fatty Acids Modify the Rabbit Gut Microbiota?. <i>Antibiotics</i> , 2022, 11, 227.	1.5	9
88	Characterisation of fatty acid profiles of <i>Tenebrio molitor</i> larvae reared on diets enriched with edible oils. <i>Journal of Insects As Food and Feed</i> , 2022, 8, 901-912.	2.1	9
89	Natural Sperm Birefringence Can be Used to Estimate Sperm Viability and Morphology. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 465-472.	1.0	8
90	Role of rabbit prostate granules on sperm viability and acrosome reaction evaluated with different methods. <i>Theriogenology</i> , 2012, 77, 1021-1026.	0.9	8

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91	The time-dependent effects of prostate granules and seminal plasma on the capacitation, acrosome reaction, and motility of rabbit sperm. <i>Animal Reproduction Science</i> , 2013, 140, 97-102.	0.5	8
92	Effect of trub and/or linseed dietary supplementation on in vivo oxidative status and some quality traits of rabbit meat. <i>Meat Science</i> , 2020, 163, 108061.	2.7	8
93	F4-Neuroprostanes: A Role in Sperm Capacitation. <i>Life</i> , 2021, 11, 655.	1.1	8
94	The Effect of Interaction NGF/p75NTR in Sperm Cells: A Rabbit Model. <i>Cells</i> , 2022, 11, 1035.	1.8	8
95	Relationship Between Semen IL-6, IL-33 and Malondialdehyde Generation in Human Seminal Plasma and Spermatozoa. <i>Reproductive Sciences</i> , 2021, 28, 2136-2143.	1.1	7
96	The Assessment of a Multifactorial Score for the Adaptability Evaluation of Six Poultry Genotypes to the Organic System. <i>Animals</i> , 2021, 11, 2992.	1.0	7
97	Effects of PUFAs on animal reproduction: male and female performances and endocrine mechanisms. <i>Phytochemistry Reviews</i> , 2018, 17, 801-814.	3.1	6
98	A Study to Validate the Relevance of Semen F2-Isoprostanes on Human Male Infertility. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1642.	1.2	6
99	Characterisation of three systematic sperm tail defects and their influence on ICSI outcome. <i>Andrologia</i> , 2018, 50, e13128.	1.0	5
100	Centriolar defects, centrin 1 alterations, and FISH studies in human spermatozoa of a male partner of a couple that produces aneuploid embryos in natural and artificial fertilization. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 1197-1205.	1.2	5
101	Effect of floor type on carcass and meat quality of pen raised growing rabbits. <i>World Rabbit Science</i> , 2015, 23, 19.	0.1	5
102	A Dynamic Model for Estimating the Interaction of ROS and PUFA Antioxidants in Rabbit. <i>Antioxidants</i> , 2022, 11, 531.	2.2	5
103	Sustainability of Rearing System Using Multicriteria Analysis: Application in Commercial Poultry Production. <i>Animals</i> , 2021, 11, 3483.	1.0	5
104	Effect of Slaughtering Age in Different Commercial Chicken Genotypes Reared According to the Organic System: 2. Fatty Acid and Oxidative Status of Meat. <i>Italian Journal of Animal Science</i> , 2014, 13, 3311.	0.8	4
105	Effect of ginger powder addition on quality, fatty acids profile, lipid oxidation and antioxidant capacity of cooked pork burgers. <i>European Food Research and Technology</i> , 2019, 245, 1377-1386.	1.6	3
106	Nutritional composition of raw and fried big-scale sand smelt (<i>Atherina boyeri</i>) from trasimeno lake. <i>Italian Journal of Animal Science</i> , 2019, 18, 608-614.	0.8	3
107	Do Seminal Isoprostanes Have a Role in Assisted Reproduction Outcome?. <i>Life</i> , 2021, 11, 675.	1.1	3
108	Oxidative and/or Inflammatory Thrust Induced by Silver Nanoparticles in Rabbits: Effect of Vitamin E or NSAID Administration on Semen Parameters. <i>Mediators of Inflammation</i> , 2020, 2020, 1-15.	1.4	3

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109	Seminal Levels of Omentin-1/ITLN1 in Inflammatory Conditions Related to Male Infertility and Localization in Spermatozoa and Tissues of Male Reproductive System. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2019-2031.	1.6	3
110	Physiology and modulation factors of ovulation in rabbit reproduction management. <i>World Rabbit Science</i> , 2021, 29, 221-229.	0.1	3
111	Antioxidants, Dietary Fatty Acids, and Sperm: A Virtual Reality Applied Game for Scientific Dissemination. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-4.	1.9	2
112	Assessing the Preference of Rabbit Does to Social Contact or Seclusion: Results of Different Investigations. <i>Animals</i> , 2020, 10, 286.	1.0	2
113	Impact of Algerian date palm pollen aqueous extract on epididymal and ejaculated rabbit sperm motility during <i>in vitro</i> incubation. <i>Italian Journal of Animal Science</i> , 2021, 20, 717-727.	0.8	1
114	Reply. <i>Urology</i> , 2015, 86, 47.	0.5	0