

Gale M Strasburg

List of Publications by Year in descending order

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91
papers

5,307
citations

172386

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docs citations

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times ranked

4942
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant and Antiinflammatory Activities of Anthocyanins and Their Aglycon, Cyanidin, from Tart Cherries. <i>Journal of Natural Products</i> , 1999, 62, 294-296.	1.5	548
2	Modulation of Liposomal Membrane Fluidity by Flavonoids and Isoflavonoids. <i>Archives of Biochemistry and Biophysics</i> , 2000, 373, 102-109.	1.4	503
3	Structure-Activity Relationships for Antioxidant Activities of a Series of Flavonoids in a Liposomal System. <i>Free Radical Biology and Medicine</i> , 1998, 24, 1355-1363.	1.3	456
4	Molecular structure of troponin C from chicken skeletal muscle at 3-angstrom resolution. <i>Science</i> , 1985, 227, 945-948.	6.0	381
5	Antioxidant Activities of Isoflavones and Their Biological Metabolites in a Liposomal System. <i>Archives of Biochemistry and Biophysics</i> , 1998, 356, 133-141.	1.4	357
6	Antioxidant and cyclooxygenase inhibitory phenolic compounds from <i>Ocimum sanctum</i> Linn.. <i>Phytomedicine</i> , 2000, 7, 7-13.	2.3	312
7	Antioxidant and Antiinflammatory Activities of Anthocyanins and Their Aglycon, Cyanidin, from Tart Cherries. <i>Journal of Natural Products</i> , 1999, 62, 802-802.	1.5	300
8	Biologically Active Carbazole Alkaloids from <i>Murrayakoenigii</i> . <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 444-447.	2.4	197
9	Antioxidant Polyphenols from Tart Cherries (<i>Prunus cerasus</i>). <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 840-844.	2.4	153
10	Apocalmodulin and Ca ²⁺ -Calmodulin Bind to the Same Region on the Skeletal Muscle Ca ²⁺ -Release Channel. <i>Biochemistry</i> , 1999, 38, 8532-8537.	1.2	134
11	Differential Ca ²⁺ -sensitivity of skeletal and cardiac muscle ryanodine receptors in the presence of calmodulin. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 279, C724-C733.	2.1	119
12	Regulation of RYR1 Activity by Ca ²⁺ and Calmodulin. <i>Biochemistry</i> , 2000, 39, 7807-7812.	1.2	106
13	Theory and applications of fluorescence spectroscopy in food research. <i>Trends in Food Science and Technology</i> , 1995, 6, 69-75.	7.8	89
14	Influence of diet on lipid oxidation and membrane structure in porcine muscle microsomes. <i>Journal of Agricultural and Food Chemistry</i> , 1994, 42, 59-63.	2.4	84
15	Calmodulin interaction with the skeletal muscle sarcoplasmic reticulum calcium channel protein. <i>Biochemistry</i> , 1994, 33, 518-525.	1.2	82
16	Novel Antioxidant Compounds from Tart Cherries (<i>Prunus cerasus</i>). <i>Journal of Natural Products</i> , 1999, 62, 86-88.	1.5	78
17	Site-specific derivatives of wheat germ calmodulin. Interactions with troponin and sarcoplasmic reticulum.. <i>Journal of Biological Chemistry</i> , 1988, 263, 542-548.	1.6	76
18	Quantification and Characterization of Anthocyanins in Balaton Tart Cherries. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 2556-2560.	2.4	75

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19	Oxidation of the skeletal muscle Ca ²⁺ release channel alters calmodulin binding. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 276, C46-C53.	2.1	65
20	Potent lipid peroxidation inhibitors from <i>Withania somnifera</i> fruits. <i>Tetrahedron</i> , 2004, 60, 3109-3121.	1.0	65
21	Pale, soft, exudative turkeyâ€”The role of ryanodine receptor variation in meat quality. <i>Poultry Science</i> , 2009, 88, 1497-1505.	1.5	58
22	Calcium dependence of the distance between Cys-98 of troponin C and Cys-133 of troponin I in the ternary troponin complex. Resonance energy transfer measurements. <i>Biochemistry</i> , 1989, 28, 5902-5908.	1.2	52
23	The effect of heat stress on thyroid hormone response and meat quality in turkeys of two genetic lines. <i>Meat Science</i> , 2008, 80, 615-622.	2.7	50
24	A Model System Study of the Inhibition of Heterocyclic Aromatic Amine Formation by Organosulfur Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 7684-7690.	2.4	45
25	Absolute expressions of hypoxia-inducible factor-1 alpha (HIF1A) transcript and the associated genes in chicken skeletal muscle with white striping and wooden breast myopathies. <i>PLoS ONE</i> , 2019, 14, e0220904.	1.1	44
26	Development and validation of fluorescence spectroscopic assays to evaluate antioxidant efficacy. Application to metal chelators. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 1997, 74, 1031-1040.	0.8	43
27	Inhibition of Heterocyclic Aromatic Amine Formation in Fried Ground Beef Patties by Garlic and Selected Garlic-Related Sulfur Compounds. <i>Journal of Food Protection</i> , 2002, 65, 1766-1770.	0.8	43
28	Site-specific derivatives of wheat germ calmodulin. Interactions with troponin and sarcoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1988, 263, 542-8.	1.6	43
29	Transcriptional profiling identifies differentially expressed genes in developing turkey skeletal muscle. <i>BMC Genomics</i> , 2011, 12, 143.	1.2	41
30	Temperature effect on proliferation and differentiation of satellite cells from turkeys with different growth rates. <i>Poultry Science</i> , 2016, 95, 934-947.	1.5	37
31	Cyclooxygenase active bioflavonoids from Balatonâ„¢ tart cherry and their structure activity relationships. <i>Phytomedicine</i> , 2000, 7, 15-19.	2.3	29
32	Aflatoxin levels in sunflower seeds and cakes collected from micro- and small-scale sunflower oil processors in Tanzania. <i>PLoS ONE</i> , 2017, 12, e0175801.	1.1	29
33	Identity of the calmodulin-binding proteins in bovine lens plasma membranes. <i>Experimental Eye Research</i> , 1990, 50, 495-503.	1.2	27
34	Skeletal muscle calcium channel ryanodine binding activity in genetically unimproved and commercial turkey populations. <i>Poultry Science</i> , 1999, 78, 792-797.	1.5	26
35	Differential gene expression between normal and pale, soft, and exudative turkey meat. <i>Poultry Science</i> , 2013, 92, 1621-1633.	1.5	26
36	Reaction of 3-Dehydroshikimic Acid with Molecular Oxygen and Hydrogen Peroxide:â€”Products, Mechanism, and Associated Antioxidant Activity. <i>Journal of the American Chemical Society</i> , 1996, 118, 11587-11591.	6.6	23

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37	Reduction of Heterocyclic Aromatic Amine Formation and Overall Mutagenicity in Fried Ground Beef Patties by Organosulfur Compounds. <i>Journal of Food Science</i> , 2002, 67, 3304-3308.	1.5	23
38	Comparison of iron-catalyzed DNA and lipid oxidation. <i>Journal of Biochemical and Molecular Toxicology</i> , 2001, 15, 114-119.	1.4	22
39	The native subunit pattern of tropomyosin. <i>FEBS Letters</i> , 1976, 72, 11-14.	1.3	21
40	Calmodulin and Excitation-Contraction Coupling. <i>Physiology</i> , 2000, 15, 281-284.	1.6	21
41	Antioxidant Activity of 3-Dehydroshikimic Acid in Liposomes, Emulsions, and Bulk Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 2753-2757.	2.4	21
42	Identification of two β -Ryr alleles and characterization of β -Ryr transcript variants in turkey skeletal muscle. <i>Gene</i> , 2004, 330, 177-184.	1.0	21
43	Versican, matrix Gla protein, and death-associated protein expression affect muscle satellite cell proliferation and differentiation. <i>Poultry Science</i> , 2012, 91, 1964-1973.	1.5	21
44	Differential expression of calcium-regulating genes in heat-stressed turkey breast muscle is associated with meat quality. <i>Poultry Science</i> , 2012, 91, 1418-1424.	1.5	21
45	Response of turkey pectoralis major muscle satellite cells to hot and cold thermal stress: Effect of growth selection on satellite cell proliferation and differentiation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021, 252, 110823.	0.8	20
46	The Binding of Distinct Segments of Actin to Multiple Sites in the C-Terminus of Caldesmon: Comparative Aspects of Actin Interaction with Troponin-I and Caldesmon. <i>Biochemistry</i> , 1995, 34, 1893-1901.	1.2	18
47	Influence of temperature and growth selection on turkey pectoralis major muscle satellite cell adipogenic gene expression and lipid accumulation. <i>Poultry Science</i> , 2017, 96, 1015-1027.	1.5	17
48	Characterization of a 6K oligonucleotide turkey skeletal muscle microarray. <i>Animal Genetics</i> , 2011, 42, 75-82.	0.6	15
49	Consumer acceptance and aroma characterization of navy bean (<i>Phaseolus vulgaris</i>) powders prepared by extrusion and conventional processing methods. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4142-4150.	1.7	15
50	Response of Turkey Muscle Satellite Cells to Thermal Challenge. II. Transcriptome Effects in Differentiating Cells. <i>Frontiers in Physiology</i> , 2017, 8, 948.	1.3	15
51	Muscle Abnormalities and Meat Quality Consequences in Modern Turkey Hybrids. <i>Frontiers in Physiology</i> , 2020, 11, 554.	1.3	15
52	Effect of Temperature and Selection for Growth on Intracellular Lipid Accumulation and Adipogenic Gene Expression in Turkey Pectoralis Major Muscle Satellite Cells. <i>Frontiers in Physiology</i> , 2021, 12, 667814.	1.3	15
53	Analysis and pharmacokinetics of cyclopiazonic acid in market weight pigs. <i>Journal of Animal Science</i> , 1999, 77, 173.	0.2	14
54	Response of turkey muscle satellite cells to thermal challenge. I. transcriptome effects in proliferating cells. <i>BMC Genomics</i> , 2017, 18, 352.	1.2	14

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55	Troponin-C-mediated calcium-sensitive changes in the conformation of troponin I detected by pyrene excimer fluorescence. <i>Journal of Biological Chemistry</i> , 1985, 260, 366-70.	1.6	14
56	Characterization of expressed sequence tags from turkey skeletal muscle. <i>Animal Genetics</i> , 2008, 39, 635-644.	0.6	13
57	Transcriptional Profiles of Skeletal Muscle Associated With Increasing Severity of White Striping in Commercial Broilers. <i>Frontiers in Physiology</i> , 2020, 11, 580.	1.3	13
58	Thermal stress affects proliferation and differentiation of turkey satellite cells through the mTOR/S6K pathway in a growth-dependent manner. <i>PLoS ONE</i> , 2022, 17, e0262576.	1.1	13
59	Function of death-associated protein 1 in proliferation, differentiation, and apoptosis of chicken satellite cells. <i>Muscle and Nerve</i> , 2013, 48, 777-790.	1.0	12
60	Interaction of calmodulin with phospholamban and caldesmon: comparative studies by 1H-NMR spectroscopy. <i>BBA - Proteins and Proteomics</i> , 1992, 1160, 22-34.	2.1	11
61	Divergent mechanisms in generating molecular variations of $\hat{1}\pm$ R _{YR} and $\hat{1}^2$ R _{YR} in turkey skeletal muscle. <i>Journal of Muscle Research and Cell Motility</i> , 2007, 28, 343-354.	0.9	11
62	Differential expression of genes characterizing myofibre phenotype. <i>Animal Genetics</i> , 2012, 43, 298-308.	0.6	10
63	Deep transcriptome sequencing reveals differences in global gene expression between normal and pale, soft, and exudative turkey meat ¹ . <i>Journal of Animal Science</i> , 2014, 92, 1250-1260.	0.2	10
64	X-ray diffraction studies of troponin-C crystals from rabbit and chicken skeletal muscles. <i>Journal of Biological Chemistry</i> , 1980, 255, 3806-8.	1.6	10
65	Monitoring of Chicken RNA Integrity as a Function of Prolonged Postmortem Duration. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1649-1656.	2.4	8
66	Cold-batter mincing of hot-boned and crust-freezing air-chilled turkey breast improved meat turnover time and product quality. <i>Poultry Science</i> , 2014, 93, 711-718.	1.5	7
67	Particle Size, Surface Area, and Amorphous Content as Predictors of Solubility and Bioavailability for Five Commercial Sources of Ferric Orthophosphate in Ready-To-Eat Cereal. <i>Nutrients</i> , 2016, 8, 129.	1.7	7
68	Temperature and Growth Selection Effects on Proliferation, Differentiation, and Adipogenic Potential of Turkey Myogenic Satellite Cells Through Frizzled-7-Mediated Wnt Planar Cell Polarity Pathway. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	7
69	Expression profiles for genes in the turkey major histocompatibility complexB-locus. <i>Poultry Science</i> , 2013, 92, 1523-1534.	1.5	5
70	Bioactive compounds in <i>Diospyros mafiensis</i> roots inhibit growth, sporulation and aflatoxin production by <i>Aspergillus flavus</i> and <i>Aspergillus parasiticus</i> . <i>World Mycotoxin Journal</i> , 2017, 10, 237-248.	0.8	5
71	Cold-batter mincing of hot-boned and crust-freeze-air-chilled ham muscle reduced fat content in protein gels. <i>International Journal of Food Science and Technology</i> , 2020, 55, 3267-3277.	1.3	5
72	Phosphorylation of troponin I by protein kinase C: Mechanism of inhibition by calmodulin and troponin C. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1987, 931, 339-346.	1.9	4

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73	The effect of cyclopiazonic acid on the development of pale, soft, and exudative pork from pigs of defined malignant hyperthermia genotype.. Journal of Animal Science, 1999, 77, 166.	0.2	3
74	Thermal challenge alters the transcriptional profile of the breast muscle in turkey poult. Poultry Science, 2019, 98, 74-91.	1.5	3
75	Molecular structure of troponin C from chicken skeletal muscle at 3Å... resolution. Journal of Biosciences, 1985, 8, 451-460.	0.5	2
76	Binding property of avian skeletal muscle ryanodine receptor isoforms with dihydropyridine receptor and calmodulin. Journal of Muscle Research and Cell Motility, 2007, 28, 59-66.	0.9	2
77	Comparison of raw meat quality and protein-gel properties of turkey breast fillets processed by traditional or cold-batter mincing technology. Poultry Science, 2019, 98, 2299-2304.	1.5	2
78	Data Mining Identifies Differentially Expressed Circular RNAs in Skeletal Muscle of Thermally Challenged Turkey Poults. Frontiers in Physiology, 2021, 12, 732208.	1.3	2
79	Localization and functional role of the calmodulin-binding domain of phospholamban in cardiac sarcoplasmic reticulum vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1993, 1149, 249-259.	1.4	1
80	Interaction of the SR CaATPase with the cytoplasmic region of phospholamban. Biochemical Society Transactions, 1998, 26, S228-S228.	1.6	1
81	Characterization of a Cardiac Complementary Deoxyribonucleic Acid Library from the Turkey (Meleagris gallopavo). Poultry Science, 2008, 87, 1165-1170.	1.5	1
82	Interaction of the cytoplasmic domain of phospholamban with calmodulin. Biochemical Society Transactions, 1993, 21, 265S-265S.	1.6	0
83	Versican, Matrix-Gla Protein, and Death-Associated Protein Expression Affect Muscle Satellite Cell Proliferation and Differentiation. Biophysical Journal, 2012, 102, 512a.	0.2	0
84	John Gergely (1919â€“2013): a pillar in the muscle protein field. Journal of Muscle Research and Cell Motility, 2013, 34, 441-446.	0.9	0
85	Knockdown of Death-Associated Protein Expression Induces Global Transcriptome Changes in Proliferating and Differentiating Muscle Satellite Cells. Frontiers in Physiology, 2020, 11, 1036.	1.3	0
86	Phosphorylation state of pyruvate dehydrogenase and metabolite levels in turkey skeletal muscle in normal and pale, soft, exudative meats. British Poultry Science, 2021, 62, 379-386.	0.8	0
87	Physicochemical properties and bioavailability of five sources of ferric orthophosphate in readyâ€“toâ€“eat cereal. FASEB Journal, 2007, 21, A1113.	0.2	0
88	A Novel Fluorescent Method for Rapid Screening of Compounds for Antioxidant Activity. , 1998, , 79-89.		0
89	Quantification of Pyruvate Dehydrogenase in Normal and PSE Turkey Breast Muscles. Meat and Muscle Biology, 2017, 1, 62-62.	0.7	0
90	Fat Reduction in Processed Meat Using Hot-Boning and Cold-Batter Mincing Technology. Meat and Muscle Biology, 2019, 3, 37-37.	0.7	0

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91	Fat Reduction in Processed Meat Using Hot-Boning and Cold-Batter Mincing Technology. Meat and Muscle Biology, 2020, 3, .	0.7	0