

Gregory G Dolnikowski

List of Publications by Year in descending order

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110
papers

6,497
citations

53794

45
h-index

64796

79
g-index

111
all docs

111
docs citations

111
times ranked

8027
citing authors

#	ARTICLE	IF	CITATIONS
1	A common mutation in the 5,10-methylenetetrahydrofolate reductase gene affects genomic DNA methylation through an interaction with folate status. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5606-5611.	7.1	847
2	Retinaldehyde represses adipogenesis and diet-induced obesity. <i>Nature Medicine</i> , 2007, 13, 695-702.	30.7	346
3	Vitamin D3 in fat tissue. <i>Endocrine</i> , 2008, 33, 90-94.	2.3	322
4	Golden Rice is an effective source of vitamin A. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1776-1783.	4.7	297
5	Determination of Flavonoids and Phenolics and Their Distribution in Almonds. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 5027-5033.	5.2	224
6	A Method to Assess Genomic DNA Methylation Using High-Performance Liquid Chromatography/Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 4526-4531.	6.5	216
7	Substituting whole grains for refined grains in a 6-wk randomized trial has a modest effect on gut microbiota and immune and inflammatory markers of healthy adults. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 635-650.	4.7	203
8	Extended-Release Niacin Alters the Metabolism of Plasma Apolipoprotein (Apo) A-I and ApoB-Containing Lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1672-1678.	2.4	137
9	Enzymatic formation of apo-carotenoids from the xanthophyll carotenoids lutein, zeaxanthin and β -cryptoxanthin by ferret carotene-9 β ,10 α -monooxygenase. <i>Archives of Biochemistry and Biophysics</i> , 2011, 506, 109-121.	3.0	123
10	Asymmetric Cleavage of β -Carotene Yields a Transcriptional Repressor of Retinoid X Receptor and Peroxisome Proliferator-Activated Receptor Responses. <i>Molecular Endocrinology</i> , 2007, 21, 77-88.	3.7	121
11	Nutritional Alterations and the Effect of Fish Oil Supplementation in Dogs with Heart Failure. <i>Journal of Veterinary Internal Medicine</i> , 1998, 12, 440-448.	1.6	118
12	Green and yellow vegetables can maintain body stores of vitamin A in Chinese children. <i>American Journal of Clinical Nutrition</i> , 1999, 70, 1069-1076.	4.7	107
13	Polyphenol content and antioxidant activity of California almonds depend on cultivar and harvest year. <i>Food Chemistry</i> , 2010, 122, 819-825.	8.2	106
14	Dietary Hydrogenated Fat Increases High-Density Lipoprotein apoA-I Catabolism and Decreases Low-Density Lipoprotein apoB-100 Catabolism in Hypercholesterolemic Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1092-1097.	2.4	105
15	Spinach or carrots can supply significant amounts of vitamin A as assessed by feeding with intrinsically deuterated vegetables. <i>American Journal of Clinical Nutrition</i> , 2005, 82, 821-828.	4.7	104
16	Rat Gastrointestinal Tissues Metabolize Quercetin ., <i>Journal of Nutrition</i> , 2006, 136, 39-44.	2.9	104
17	Protein metabolism in rheumatoid arthritis and aging. Effects of muscle strength training and tumor necrosis factor α . <i>Arthritis and Rheumatism</i> , 1996, 39, 1115-1124.	6.7	99
18	Human Apolipoprotein (Apo) B-48 and ApoB-100 Kinetics With Stable Isotopes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2966-2974.	2.4	98

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19	Short-term (intestinal) and long-term (postintestinal) conversion of β -carotene to retinol in adults as assessed by a stable-isotope reference method. <i>American Journal of Clinical Nutrition</i> , 2003, 78, 259-266.	4.7	91
20	Diminished anabolic signaling response to insulin induced by intramuscular lipid accumulation is associated with inflammation in aging but not obesity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R561-R569.	1.8	85
21	Carotene-rich plant foods ingested with minimal dietary fat enhance the total-body vitamin A pool size in Filipino schoolchildren as assessed by stable-isotope-dilution methodology. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 1041-1049.	4.7	79
22	Increased ceramide content and NF κ B signaling may contribute to the attenuation of anabolic signaling after resistance exercise in aged males. <i>Journal of Applied Physiology</i> , 2012, 113, 1727-1736.	2.5	79
23	Effects of different doses of atorvastatin on human apolipoprotein B-100, B-48, and A-I metabolism. <i>Journal of Lipid Research</i> , 2007, 48, 1746-1753.	4.2	74
24	Quantification of phyloquinone and menaquinones in feces, serum, and food by high-performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 963, 128-133.	2.3	71
25	Streamlined F2-Isoprostane Analysis in Plasma and Urine with High-Performance Liquid Chromatography and Gas Chromatography/Mass Spectroscopy. <i>Analytical Biochemistry</i> , 2000, 280, 73-79.	2.4	69
26	Effects of the Cholesteryl Ester Transfer Protein Inhibitor Torcetrapib on Apolipoprotein B100 Metabolism in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1350-1356.	2.4	68
27	Biochemical and Molecular Aberrations in the Rat Colon Due to Folate Depletion Are Age-Specific. <i>Journal of Nutrition</i> , 2003, 133, 1206-1212.	2.9	64
28	Dietary Fat Increases Vitamin D-3 Absorption. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2015, 115, 225-230.	0.8	64
29	Apolipoprotein A-I, B-100, and B-48 metabolism in subjects with chronic kidney disease, obesity, and the metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 1255-1261.	3.4	62
30	The metabolism of apolipoproteins (a) and B-100 within plasma lipoprotein (a) in human beings. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 361-369.	3.4	60
31	Dietary Restriction of Saturated Fat and Cholesterol Decreases HDL ApoA-I Secretion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 918-924.	2.4	58
32	Lovastatin Decreases De Novo Cholesterol Synthesis and LDL Apo B-100 Production Rates in Combined-Hyperlipidemic Males. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 1910-1917.	2.4	57
33	HPLC and GC/MS determination of deuterated vitamin K (phyloquinone) in human serum after ingestion of deuterium-labeled broccoli. <i>Journal of Nutritional Biochemistry</i> , 2002, 13, 168-174.	4.2	55
34	Ion-trapping technique for ion/molecule reaction studies in the center quadrupole of a triple quadrupole mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 82, 1-15.	1.8	54
35	Serum carotenoids and retinoids in ferrets fed canthaxanthin. <i>Journal of Nutritional Biochemistry</i> , 1993, 4, 58-63.	4.2	54
36	Bioavailability of lutein in humans from intrinsically labeled vegetables determined by LC-APCI-MS ¹¹ Financial Support: NATO Collaborative Linkage Grant "Determination of Carotenoid Biometabolites Using Advanced HPLC, NMR and MS" (No. 978601), the USDA-CSREES-NRI (99-35200-7564), and USDA ARS Nos. 581950-9-001 and 58-6250-6-001. Any opinions, findings, conclusion, or recommendations expressed in this publication are those of the author(s) and do not necessarily reflect the view of the US Dept. of Agriculture. <i>Journal of Nutritional Biochemistry</i> , 2003, 14, 663-670.	4.2	54

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37	Relative reactivity of lysine and other peptide-bound amino acids to oxidation by hypochlorite. <i>Free Radical Biology and Medicine</i> , 2000, 29, 425-433.	2.9	53
38	Vitamin A equivalence of $\hat{1}^2$ -carotene in a Woman as determined by a stable isotope reference method. <i>European Journal of Nutrition</i> , 2000, 39, 7-11.	3.9	53
39	Intestinal perfusion of $\hat{1}^2$ -carotene in the ferret raises retinoic acid level in portal blood. <i>Lipids and Lipid Metabolism</i> , 1993, 1167, 159-164.	2.6	52
40	Plasma transport of vitamin K in men using deuterium-labeled collard greens. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 215-221.	3.4	49
41	Energy Expenditure Is Very High in Extremely Obese Women. <i>Journal of Nutrition</i> , 2004, 134, 1412-1416.	2.9	49
42	Effects of ApoE Genotype on ApoB-48 and ApoB-100 Kinetics With Stable Isotopes in Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 1807-1810.	2.4	48
43	Cholesterol and apolipoprotein B metabolism in Tangier disease. <i>Atherosclerosis</i> , 2001, 159, 231-236.	0.8	48
44	Use of the deuterated-retinol-dilution technique to monitor the vitamin A status of Nicaraguan schoolchildren 1 y after initiation of the Nicaraguan national program of sugar fortification with vitamin A. <i>American Journal of Clinical Nutrition</i> , 2004, 80, 1291-1298.	4.7	48
45	Conversion of Vitamin K1 to $2\hat{2}\hat{3}$ -Dihydrovitamin K1 during the Hydrogenation of Vegetable Oils. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 980-983.	5.2	45
46	Bioavailability of synthetic and biosynthetic deuterated lycopene in humans. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 229-235.	4.2	45
47	Measurement of Deuterium-Labeled Phylloquinone in Plasma by High-Performance Liquid Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 5421-5425.	6.5	45
48	Comparison of diets enriched in stearic, oleic, and palmitic acids on inflammation, immune response, cardiometabolic risk factors, and fecal bile acid concentrations in mildly hypercholesterolemic postmenopausal women—randomized crossover trial. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 305-315.	4.7	44
49	Gender-Specific Differences in the Kinetics of Nonfasting TRL, IDL, and LDL Apolipoprotein B-100 in Men and Premenopausal Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1838-1843.	2.4	43
50	Quantification of Almond Skin Polyphenols by Liquid Chromatography—Mass Spectrometry. <i>Journal of Food Science</i> , 2009, 74, C326-32.	3.1	43
51	Interrelationships Between Human Apolipoprotein A-I and Apolipoproteins B-48 and B-100 Kinetics Using Stable Isotopes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1703-1707.	2.4	41
52	Association between Subcutaneous White Adipose Tissue and Serum 25-Hydroxyvitamin D in Overweight and Obese Adults. <i>Nutrients</i> , 2013, 5, 3352-3366.	4.1	41
53	Deuterium enrichment of retinol in humans determined by gas chromatography electron capture negative chemical ionization mass spectrometry. <i>Journal of Nutritional Biochemistry</i> , 1998, 9, 408-414.	4.2	40
54	TRL, IDL, and LDL Apolipoprotein B-100 and HDL Apolipoprotein A-I Kinetics as a Function of Age and Menopausal Status. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 1691-1696.	2.4	37

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55	Structure Determination of Partially Deuterated Carotenoids from Intrinsically Labeled Vegetables by HPLC-MS and ^1H NMR. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 671-677.	5.2	37
56	Distinct metabolism of apolipoproteins (a) and B-100 within plasma lipoprotein(a). <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 381-390.	3.4	37
57	Decreased Production and Increased Catabolism of Apolipoprotein B-100 in Apolipoprotein B-67/B-100 Heterozygotes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 881-888.	2.4	36
58	Role of the Estrogen and Progestin in Hormonal Replacement Therapy on Apolipoprotein A-I Kinetics in Postmenopausal Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 385-391.	2.4	34
59	Curcumin and piperine supplementation of obese mice under caloric restriction modulates body fat and interleukin- 1β . <i>Nutrition and Metabolism</i> , 2018, 15, 12.	3.0	33
60	Quantitative assessment of total body stores of vitamin A in adults with the use of a 3-d deuterated-retinol-dilution procedure. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 694-699.	4.7	29
61	Apolipoprotein A-I and A-II Kinetic Parameters as Assessed by Endogenous Labeling With [$^2\text{H}^3$]Leucine in Middle-Aged and Elderly Men and Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 801-806.	2.4	28
62	Subjects With ApoA-I(Lys 107) Exhibit Enhanced Fractional Catabolic Rate of ApoA-I in Lp(AI) and ApoA-II in Lp(AI With AII). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 873-880.	2.4	28
63	[^{13}C] Atmospheric pressure chemical ionization and electron capture negative chemical ionization mass spectrometry in studying ^2H -carotene conversion to retinol in humans. <i>Methods in Enzymology</i> , 1997, 282, 140-154.	1.0	27
64	Dietary vitamin A intakes of Filipino elders with adequate or low liver vitamin A concentrations as assessed by the deuterated-retinol-dilution method: implications for dietary requirements. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 633-641.	4.7	26
65	Ageing and Alcohol Interact to Alter Hepatic DNA Hydroxymethylation. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 2178-2185.	2.4	25
66	[^2H] Mass analyzers. <i>Methods in Enzymology</i> , 1990, , 37-61.	1.0	24
67	Energy requirements of urban Chinese adults with manual or sedentary occupations, determined using the doubly labeled water method. <i>European Journal of Clinical Nutrition</i> , 2002, 56, 575-584.	2.9	23
68	Ageing Alters Hepatic DNA Hydroxymethylation, as Measured by Liquid Chromatography/Mass Spectrometry. <i>Journal of Cancer Prevention</i> , 2014, 19, 301-308.	2.0	22
69	Differential cellular uptake and metabolism of curcuminoids in monocytes/macrophages: regulatory effects on lipid accumulation. <i>British Journal of Nutrition</i> , 2014, 112, 8-14.	2.3	21
70	Plasma ^{12}C and ^{15}C Hydroxyeicosanoids are Predictors of Survival in Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2016, 6, 224-233.	1.7	21
71	Hydrogen radical/molecule reactions in the negative ion mass spectrometry of dicyano-methane derivatives of 9-fluorenone and benzophenone. <i>Organic Mass Spectrometry</i> , 1986, 21, 329-334.	1.3	19
72	Determination of Vitamin D and Its Metabolites in Human Brain Using an Ultra-Pressure LC-Tandem Mass Spectra Method. <i>Current Developments in Nutrition</i> , 2019, 3, nzz074.	0.3	19

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73	Human apolipoprotein A-I kinetics within triglyceride-rich lipoproteins and high density lipoproteins. <i>Journal of Lipid Research</i> , 1999, 40, 1695-1700.	4.2	19
74	Reaction of 2-halo-5-nitropyridines with hydroxide ion in dimethyl sulfoxide. <i>Journal of Organic Chemistry</i> , 1980, 45, 3097-3100.	3.2	18
75	Effects of a National Cholesterol Education Program Step II Diet on apolipoprotein A-IV metabolism within triacylglycerol-rich lipoproteins and plasma. <i>American Journal of Clinical Nutrition</i> , 2001, 74, 308-314.	4.7	18
76	Formation of Carbonyls during Attack on Insulin by Submolar Amounts of Hypochlorite. <i>Analytical Biochemistry</i> , 1998, 258, 339-348.	2.4	15
77	Lipoprotein metabolism in subjects with hepatic lipase deficiency. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 520-525.	3.4	15
78	Effects of the cholesteryl ester transfer protein inhibitor torcetrapib on VLDL apolipoprotein E metabolism. <i>Journal of Lipid Research</i> , 2008, 49, 543-549.	4.2	15
79	Effect of blueberry juice on clearance of buspirone and flurbiprofen in human volunteers. <i>British Journal of Clinical Pharmacology</i> , 2013, 75, 1041-1052.	2.4	14
80	Isomer differentiation in 7, 12-dimethylbenz[a]anthracene-pyridine adducts by fast atom bombardment tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1991, 2, 256-258.	2.8	13
81	Human triglyceride-rich lipoprotein apo E kinetics and its relationship to LDL apo B-100 metabolism. <i>Atherosclerosis</i> , 2001, 155, 477-485.	0.8	13
82	Effects of CETP inhibition on triglyceride-rich lipoprotein composition and apoB-48 metabolism. <i>Journal of Lipid Research</i> , 2012, 53, 1190-1199.	4.2	13
83	Proposal of a multicompartmental model for use in the study of apolipoprotein E metabolism. <i>Metabolism: Clinical and Experimental</i> , 1998, 47, 922-928.	3.4	12
84	Stable isotopes in obesity research. <i>Mass Spectrometry Reviews</i> , 2005, 24, 311-327.	5.4	11
85	Vitamin D and Vitamin K Concentrations in Human Brain Tissue Are Influenced by Freezer Storage Time: The Memory and Aging Project. <i>Journal of Nutrition</i> , 2021, 151, 104-108.	2.9	11
86	Human apolipoprotein A-IV metabolism within triglyceride-rich lipoproteins and plasma. <i>Atherosclerosis</i> , 2001, 156, 363-372.	0.8	10
87	Hydroxylation of selected hydrocarbon ions on reaction with methanol in the gas phase. <i>Organic Mass Spectrometry</i> , 1990, 25, 119-123.	1.3	9
88	Effects of atorvastatin on human C-reactive protein metabolism. <i>Atherosclerosis</i> , 2013, 226, 466-470.	0.8	9
89	Differences between Basal Lung Levels of Select Eicosanoids in Rat and Mouse. <i>Pulmonary Circulation</i> , 2013, 3, 82-88.	1.7	9
90	Hepatic DNA hydroxymethylation is site-specifically altered by chronic alcohol consumption and aging. <i>European Journal of Nutrition</i> , 2017, 56, 535-544.	3.9	9

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91	A study of the gas-phase reaction between protonated acetaldehyde and methanol. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 481-488.	2.8	8
92	Direct determination of metals in archeological artifacts by fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 197-201.	6.5	7
93	Differential Effects of Estrogen and Progestin on Apolipoprotein B100 and B48 Kinetics in Postmenopausal Women. <i>Lipids</i> , 2018, 53, 167-175.	1.7	7
94	Identification of methylated metabolites of oat avenanthramides in human plasma using UHPLC QToF-MS. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 377-383.	2.8	7
95	Oncogenic Integration of Nucleotide Metabolism via Fatty Acid Synthase in Non-Hodgkin Lymphoma. <i>Frontiers in Oncology</i> , 2021, 11, 725137.	2.8	7
96	Body Water in Children During Recovery from Severe Burn Injury Using a Combined Tracer Dilution Method. <i>Journal of Burn Care and Research</i> , 2005, 26, 67-74.	1.6	6
97	Linkage between C-reactive protein and triglyceride-rich lipoprotein metabolism. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 369-375.	3.4	6
98	Rosuvastatin Enhances the Catabolism of LDL apoB ¹⁰⁰ in Subjects with Combined Hyperlipidemia in a Dose Dependent Manner. <i>Lipids</i> , 2015, 50, 447-458.	1.7	6
99	Determination of cranberry proanthocyanidin A2 in human plasma and urine using LC-MS/MS. <i>FASEB Journal</i> , 2012, 26, 124.8.	0.5	6
100	A New Sample Preparation Method for Isotope Ratio Mass Spectrometry of ² H-Enriched Samples Generated by the Doubly Labeled Water Method. <i>Obesity</i> , 1995, 3, 73-74.	4.0	5
101	Comparison of the Postprandial Metabolic Fate of U- ¹³ C Stearic Acid and U- ¹³ C Oleic Acid in Postmenopausal Women. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2953-2964.	2.4	4
102	Simplified method for the measurement of plasma alkylresorcinols: Biomarkers of whole-grain intake. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8805.	1.5	4
103	Isomer differentiation by charge inversion tandem mass spectrometry: an investigation into the structure of the ionic products from an SN(ANRORC) reaction. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 467-470.	2.8	2
104	Chapter 2. Mass Spectrometry for Food Analysis: The Example of Fat Soluble Vitamins A and K. <i>RSC Food Analysis Monographs</i> , 0, , 51-58.	0.2	1
105	Reply to MB Krawinkel. <i>American Journal of Clinical Nutrition</i> , 2009, 90, 696-697.	4.7	0
106	Harvest year and growing region but not processing affect flavonoid content and antioxidant capacity of California almond skins.. <i>FASEB Journal</i> , 2009, 23, 337.4.	0.5	0
107	Aging alters global hepatic DNA hydroxymethylation in mice, as determined by a novel LC/MS-MS method. <i>FASEB Journal</i> , 2013, 27, 370.4.	0.5	0
108	Chronic alcohol consumption has greater impact on hepatic DNA hydroxymethylation in young mice relative to old. <i>FASEB Journal</i> , 2013, 27, 640.15.	0.5	0

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109	Differential cellular uptake and metabolism of curcuminoids in monocytes/macrophages: regulatory effects on lipid accumulation (1044.5). <i>FASEB Journal</i> , 2014, 28, 1044.5.	0.5	0
110	Identification of FASN-Dependent Onco-Metabolic Regulation of the Pentose Phosphate Pathway (PPP) and Nucleotide Metabolism in Non-Hodgkin Lymphoma (NHL). <i>Blood</i> , 2019, 134, 1573-1573.	1.4	0