Isabella Dalle-Donne

List of Publications by Year in descending order

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		30070	21540
142	13,466	54	114
papers	citations	h-index	g-index
			17006
151	151	151	17086
all docs	docs citations	times ranked	citing authors
			orting autilors

#	Article	IF	CITATIONS
1	Measurement of S-glutathionylated proteins by HPLC. Amino Acids, 2022, 54, 675-686.	2.7	5
2	Preliminary experience on the use of sucrosomial iron in hemodialysis: focus on safety, hemoglobin maintenance and oxidative stress. International Urology and Nephrology, 2022, 54, 1145-1153.	1.4	2
3	Blood Thiol Redox State in Chronic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 2853.	4.1	5
4	In vitro copper oxide nanoparticle toxicity on intestinal barrier. Journal of Applied Toxicology, 2021, 41, 291-302.	2.8	6
5	Protein thiolation index in microvolumes of plasma. Analytical Biochemistry, 2021, 618, 114125.	2.4	3
6	Antioxidants in smokers. Nutrition Research Reviews, 2021, , 1-28.	4.1	8
7	Anethole Dithiolethione Increases Glutathione in Kidney by Inhibiting γ-Glutamyltranspeptidase: Biochemical Interpretation and Pharmacological Consequences. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-13.	4.0	7
8	Plasma Protein Carbonyls as Biomarkers of Oxidative Stress in Chronic Kidney Disease, Dialysis, and Transplantation. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-20.	4.0	15
9	Cigarette smoke and glutathione: Focus on in vitro cell models. Toxicology in Vitro, 2020, 65, 104818.	2.4	12
10	Cytotoxic and proinflammatory responses induced by ZnO nanoparticles in in vitro intestinal barrier. Journal of Applied Toxicology, 2019, 39, 1155-1163.	2.8	13
11	Sulforaphane Cannot Protect Human Fibroblasts From Repeated, Short and Sublethal Treatments with Hydrogen Peroxide. International Journal of Environmental Research and Public Health, 2019, 16, 657.	2.6	4
12	Membrane Skeletal Protein <i>S</i> -Glutathionylation in Human Red Blood Cells as Index of Oxidative Stress. Chemical Research in Toxicology, 2019, 32, 1096-1102.	3.3	16
13	Advanced oxidation protein products in nondiabetic end stage renal disease patients on maintenance haemodialysis. Free Radical Research, 2019, 53, 1114-1124.	3.3	11
14	Protein carbonylation in human bronchial epithelial cells exposed to cigarette smoke extract. Cell Biology and Toxicology, 2019, 35, 345-360.	5.3	26
15	Yolk vitamin E positively affects prenatal growth but not oxidative status in yellow-legged gull embryos. Environmental Epigenetics, 2018, 64, 285-292.	1.8	5
16	Plasma Protein Carbonylation in Haemodialysed Patients: Focus on Diabetes and Gender. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	16
17	N-acetylcysteine ethyl ester as CSH enhancer in human primary endothelial cells: A comparative study with other drugs. Free Radical Biology and Medicine, 2018, 126, 202-209.	2.9	19
18	Antioxidants and embryo phenotype: is there experimental evidence for strong integration of the antioxidant system?. Journal of Experimental Biology, 2017, 220, 615-624.	1.7	7

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19	Plasma protein-bound di-tyrosines as biomarkers of oxidative stress in end stage renal disease patients on maintenance haemodialysis. BBA Clinical, 2017, 7, 55-63.	4.1	16
20	Determination of protein thiolation index (PTI) as a biomarker of oxidative stress in human serum. Analytical Biochemistry, 2017, 538, 38-41.	2.4	10
21	Assessment of glutathione/glutathione disulphide ratio and S-glutathionylated proteins in human blood, solid tissues, and cultured cells. Free Radical Biology and Medicine, 2017, 112, 360-375.	2.9	111
22	Thiol oxidation and di-tyrosine formation in human plasma proteins induced by inflammatory concentrations of hypochlorous acid. Journal of Proteomics, 2017, 152, 22-32.	2.4	34
23	Protein Carbonylation in Human Smokers and Mammalian Models of Exposure to Cigarette Smoke: Focus on Redox Proteomic Studies. Antioxidants and Redox Signaling, 2017, 26, 406-426.	5.4	13
24	Single Silver Nanoparticle Instillation Induced Early and Persisting Moderate Cortical Damage in Rat Kidneys. International Journal of Molecular Sciences, 2017, 18, 2115.	4.1	17
25	Dietary flavonoids advance timing of moult but do not affect redox status of juvenile blackbirds (Turdus merula). Journal of Experimental Biology, 2016, 219, 3155-3162.	1.7	4
26	Pitfalls in the analysis of the physiological antioxidant glutathione (GSH) and its disulfide (GSSG) in biological samples: An elephant in the room. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 21-28.	2.3	107
27	A step-by-step protocol for assaying protein carbonylation in biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 178-190.	2.3	119
28	Identification of dityrosine cross-linked sites in oxidized human serum albumin. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1019, 147-155.	2.3	25
29	Potential toxicity of environmentally relevant perfluorooctane sulfonate (PFOS) concentrations to yellow-legged gull Larus michahellis embryos. Environmental Science and Pollution Research, 2016, 23, 426-437.	5.3	13
30	Plasma protein thiolation index (PTI) as a biomarker of thiol-specific oxidative stress in haemodialyzed patients. Free Radical Biology and Medicine, 2015, 89, 443-451.	2.9	22
31	Glutathione, glutathione disulfide, and S-glutathionylated proteins in cell cultures. Free Radical Biology and Medicine, 2015, 89, 972-981.	2.9	59
32	A central role for intermolecular dityrosine cross-linking of fibrinogen in high molecular weight advanced oxidation protein product (AOPP) formation. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 1-12.	2.4	48
33	Pathophysiology of tobacco smoke exposure: Recent insights from comparative and redox proteomics. Mass Spectrometry Reviews, 2014, 33, 183-218.	5.4	39
34	Cigarette smoke induces alterations in the drug-binding properties of human serum albumin. Blood Cells, Molecules, and Diseases, 2014, 52, 166-174.	1.4	13
35	Redox proteomics: from protein modifications to cellular dysfunction and disease. Mass Spectrometry Reviews, 2014, 33, 1-6.	5.4	57
36	Analysis of GSH and GSSG after derivatization with N-ethylmaleimide. Nature Protocols, 2013, 8, 1660-1669.	12.0	257

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37	Protein carbonylation in human endothelial cells exposed to cigarette smoke extract. Toxicology Letters, 2013, 218, 118-128.	0.8	25
38	Redox Proteomics: Chemical Principles, Methodological Approaches and Biological/Biomedical Promises. Chemical Reviews, 2013, 113, 596-698.	47.7	222
39	Tendon structure and extracellular matrix components are affected by spasticity in cerebral palsy patients. Muscles, Ligaments and Tendons Journal, 2013, 3, 42-50.	0.3	6
40	New insights in extracellular matrix remodeling and collagen turnover related pathways in cultured human tenocytes after ciprofloxacin administration. Muscles, Ligaments and Tendons Journal, 2013, 3, 122-31.	0.3	16
41	Protein thiolation index (PTI) as a biomarker of oxidative stress. Free Radical Biology and Medicine, 2012, 53, 907-915.	2.9	40
42	N-Acetylcysteine ethyl ester (NACET): A novel lipophilic cell-permeable cysteine derivative with an unusual pharmacokinetic feature and remarkable antioxidant potential. Biochemical Pharmacology, 2012, 84, 1522-1533.	4.4	68
43	Redox Proteomics. Antioxidants and Redox Signaling, 2012, 17, 1487-1489.	5.4	62
44	Redox Proteomics Analyses of the Influence of Co-Expression of Wild-Type or Mutated LRRK2 and Tau on C. elegans Protein Expression and Oxidative Modification: Relevance to Parkinson Disease. Antioxidants and Redox Signaling, 2012, 17, 1490-1506.	5.4	43
45	Redox Albuminomics: Oxidized Albumin in Human Diseases. Antioxidants and Redox Signaling, 2012, 17, 1515-1527.	5.4	121
46	Sex-Related Effects of Reproduction on Biomarkers of Oxidative Damage in Free-living Barn Swallows (Hirundo rustica). PLoS ONE, 2012, 7, e48955.	2.5	20
47	Oxidative damage in human gingival fibroblasts exposed to cigarette smoke. Free Radical Biology and Medicine, 2012, 52, 1584-1596.	2.9	73
48	Pancreatic cancer cells retain the epithelial-related phenotype and modify mitotic spindle microtubules after the administration of ukrain in vitro. Anti-Cancer Drugs, 2012, 23, 935-946.	1.4	12
49	Red Blood Cells Protect Albumin from Cigarette Smoke–Induced Oxidation. PLoS ONE, 2012, 7, e29930.	2.5	22
50	S-Glutathiolation in life and death decisions of the cell. Free Radical Research, 2011, 45, 3-15.	3.3	58
51	Malignant phenotype of renal cell carcinoma cells is switched by Ukrain administration in vitro. Anti-Cancer Drugs, 2011, 22, 749-762.	1.4	11
52	Low molecular mass thiols, disulfides and protein mixed disulfides in rat tissues: Influence of sample manipulation, oxidative stress and ageing. Mechanisms of Ageing and Development, 2011, 132, 141-148.	4.6	58
53	Detection of glutathione in whole blood after stabilization with N-ethylmaleimide. Analytical Biochemistry, 2011, 415, 81-83.	2.4	59
54	Ukrain Affects Pancreas Cancer Cell Phenotype in vitro by Targeting MMP-9 and Intra-/Extracellular SPARC Expression. Pancreatology, 2010, 10, 545-552.	1.1	19

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55	The potential of resveratrol against human gliomas. Anti-Cancer Drugs, 2010, 21, 140-150.	1.4	49
56	Water-Soluble α,β-Unsaturated Aldehydes of Cigarette Smoke Induce Carbonylation of Human Serum Albumin. Antioxidants and Redox Signaling, 2010, 12, 349-364.	5.4	68
57	Cellular redox potential and hemoglobin S-glutathionylation in human and rat erythrocytes: A comparative study. Blood Cells, Molecules, and Diseases, 2010, 44, 133-139.	1.4	18
58	Protein S-glutathionylation: a regulatory device from bacteria to humans. Trends in Biochemical Sciences, 2009, 34, 85-96.	7.5	557
59	Cysteinylation and homocysteinylation of plasma protein thiols during ageing of healthy human beings. Journal of Cellular and Molecular Medicine, 2009, 13, 3131-3140.	3.6	89
60	Protein carbonylation: 2,4-dinitrophenylhydrazine reacts with both aldehydes/ketones and sulfenic acids. Free Radical Biology and Medicine, 2009, 46, 1411-1419.	2.9	76
61	Oxidative stress induces a reversible flux of cysteine from tissues to blood <i>in vivo</i> in the rat. FEBS Journal, 2009, 276, 4946-4958.	4.7	20
62	Evidence against a role of ketone bodies in the generation of oxidative stress in human erythrocytes by the application of reliable methods for thiol redox form detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3467-3474.	2.3	8
63	Analysis of thiols. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 3271-3273.	2.3	18
64	Carboplatin-induced alteration of the thiol homeostasis in the isolated perfused rat kidney. Archives of Biochemistry and Biophysics, 2009, 488, 83-89.	3.0	8
65	Engineered cobalt oxide nanoparticles readily enter cells. Toxicology Letters, 2009, 189, 253-259.	0.8	149
66	Oxidative stress and human diseases: Origin, link, measurement, mechanisms, and biomarkers. Critical Reviews in Clinical Laboratory Sciences, 2009, 46, 241-281.	6.1	348
67	Molecular Mechanisms and Potential Clinical Significance of <i>S</i> -Glutathionylation. Antioxidants and Redox Signaling, 2008, 10, 445-474.	5.4	275
68	Protective CD8+ T-cell responses to cytomegalovirus driven by rAAV/GFP/IE1 loading of dendritic cells. Journal of Translational Medicine, 2008, 6, 56.	4.4	10
69	Nitrite and Nitrate Measurement by Griess Reagent in Human Plasma: Evaluation of Interferences and Standardization. Methods in Enzymology, 2008, 440, 361-380.	1.0	272
70	Is ascorbate able to reduce disulfide bridges? A cautionary note. Nitric Oxide - Biology and Chemistry, 2008, 19, 252-258.	2.7	112
71	Red blood cells as a physiological source of glutathione for extracellular fluids. Blood Cells, Molecules, and Diseases, 2008, 40, 174-179.	1.4	70
72	Identification of Actin as a 15-Deoxy-Δ12,14-prostaglandin J2Target in Neuroblastoma Cells: Mass Spectrometric, Computational, and Functional Approaches To Investigate the Effect on Cytoskeletal Derangementâ€. Biochemistry, 2007, 46, 2707-2718.	2.5	73

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73	Intervention strategies to inhibit protein carbonylation by lipoxidation-derived reactive carbonyls. Medicinal Research Reviews, 2007, 27, 817-868.	10.5	256
74	Detection of S-nitrosothiols in biological fluids: A comparison among the most widely applied methodologies. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 851, 124-139.	2.3	120
75	Actin Cys374 as a nucleophilic target of α,β-unsaturated aldehydes. Free Radical Biology and Medicine, 2007, 42, 583-598.	2.9	82
76	Familial amyotrophic lateral sclerosis (FALS): Emerging hints from redox proteomics Free Radical Biology and Medicine, 2007, 43, 157-159.	2.9	5
77	S-glutathionylation in protein redox regulation. Free Radical Biology and Medicine, 2007, 43, 883-898.	2.9	422
78	Oxidized Forms of Glutathione in Peripheral Blood as Biomarkers of Oxidative Stress. Clinical Chemistry, 2006, 52, 1406-1414.	3.2	125
79	Biomarkers of Oxidative Damage in Human Disease. Clinical Chemistry, 2006, 52, 601-623.	3.2	1,395
80	Membrane skeletal protein S-glutathionylation and hemolysis in human red blood cells. Blood Cells, Molecules, and Diseases, 2006, 37, 180-187.	1.4	30
81	Age-Related Influence on Thiol, Disulfide, and Protein-Mixed Disulfide Levels in Human Plasma. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2006, 61, 1030-1038.	3.6	122
82	Early cytotoxic effects of ochratoxin A in rat liver: A morphological, biochemical and molecular study. Toxicology, 2006, 225, 214-224.	4.2	85
83	Protein carbonylation, cellular dysfunction, and disease progression. Journal of Cellular and Molecular Medicine, 2006, 10, 389-406.	3.6	691
84	Metabolism of oxidants by blood from different mouse strains. Biochemical Pharmacology, 2006, 71, 1753-1764.	4.4	20
85	Protein S-glutathionylation and platelet anti-aggregating activity of disulfiram. Biochemical Pharmacology, 2006, 72, 608-615.	4.4	22
86	Lipoxidation-Derived Reactive Carbonyl Species as Potential Drug Targets in Preventing Protein Carbonylation and Related Cellular Dysfunction. ChemMedChem, 2006, 1, 1045-1058.	3.2	78
87	Chemical Modification of Proteins by Reactive Oxygen Species. , 2006, , 1-23.		15
88	ICAT (Isotope-Coded Affinity Tag) Approach to Redox Proteomics: Identification and Quantification of Oxidant-Sensitive Protein Thiols. , 2006, , 267-285.		2
89	Quantitative Determination of Free and Protein-Associated 3-Nitrotyrosine andS-Nitrosothiols in the Circulation by Mass Spectrometry and Other Methodologies: A Critical Review and Discussion from the Analytical and Review Point of View. , 2006, , 287-341.		3
90	The Covalent Advantage: A New Paradigm for Cell Signaling Mediated by Thiol Reactive Lipid Oxidation Products. , 2006, , 343-367.		4

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91	Early Molecular Events during Response to Oxidative Stress in Human Cells by Differential Proteomics. , 2006, , 369-397.		3
92	Oxidative Damage to Proteins: Structural Modifications and Consequences in Cell Function. , 2006, , 399-471.		18
93	Oxidative Damage and Cellular Senescence: Lessons from Bacteria and Yeast. , 2006, , 473-484.		1
94	Proteins as Sensitive Biomarkers of Human Conditions Associated with Oxidative Stress. , 2006, , 485-525.		3
95	Degradation and Accumulation of Oxidized Proteins in Age-Related Diseases. , 2006, , 527-562.		6
96	Redox Proteomics: A New Approach to Investigate Oxidative Stress in Alzheimer's Disease. , 2006, , 563-603.		8
97	Oxidized Proteins in Cardiac Ischemia and Reperfusion. , 2006, , 605-649.		2
98	The Chemistry of Protein Modifications Elicited by Nitric Oxide and Related Nitrogen Oxides. , 2006, , 25-58.		4
99	Proteome Analysis of Oxidative Stress: Glutathionyl Hemoglobin in Diabetic and Uremic Patients. , 2006, , 651-667.		3
100	Glyco-oxidative Biochemistry in Diabetic Renal Injury. , 2006, , 669-680.		0
101	Quantitative Screening of Protein Glycation, Oxidation, and Nitration Adducts by LC-MS/MS: Protein Damage in Diabetes, Uremia, Cirrhosis, and Alzheimer's Disease. , 2006, , 681-727.		16
102	Protein Targets and Functional Consequences of Tyrosine Nitration in Vascular Disease. , 2006, , 729-786.		1
103	Oxidation of Artery Wall Proteins by Myeloperoxidase: A Proteomics Approach. , 2006, , 787-811.		0
104	Oxidative Stress and Protein Oxidation in Pre-Eclampsia. , 2006, , 813-829.		0
105	Involvement of Oxidants in the Etiology of Chronic Airway Diseases: Proteomic Approaches to Identify Redox Processes in Epithelial Cell Signaling and Inflammation. , 2006, , 831-876.		Ο
106	Sequestering Agents of Intermediate Reactive Aldehydes as Inhibitors of Advanced Lipoxidation End-Products (ALEs). , 2006, , 877-929.		1
107	Mass Spectrometry Approaches for the Molecular Characterization of Oxidatively/Nitrosatively Modified Proteins. , 2006, , 59-99.		8
108	Thiol-Disulfide Oxidoreduction of Protein Cysteines: Old Methods Revisited for Proteomics. , 2006, , 101-122.		3

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109	Carbonylated Proteins and Their Implication in Physiology and Pathology. , 2006, , 123-168.		11
110	S-Nitrosation of Cysteine Thiols as a Redox Signal. , 2006, , 169-188.		1
111	Detection of Glycated and Glyco-Oxidated Proteins. , 2006, , 189-232.		Ο
112	MudPIT (Multidimensional Protein Identification Technology) for Identification of Post-Translational Protein Modifications in Complex Biological Mixtures. , 2006, , 233-252.		2
113	Use of a Proteomic Technique to Identify Oxidant-Sensitive Thiol Proteins in Cultured Cells. , 2006, , 253-265.		4
114	Is There an Answer?. IUBMB Life, 2005, 57, 189-192.	3.4	12
115	S-glutathionylation in human platelets by a thiol–disulfide exchange-independent mechanism. Free Radical Biology and Medicine, 2005, 38, 1501-1510.	2.9	74
116	Proteins as biomarkers of oxidative/nitrosative stress in diseases: The contribution of redox proteomics. Mass Spectrometry Reviews, 2005, 24, 55-99.	5.4	392
117	Covalent modification of actin by 4-hydroxy-trans-2-nonenal (HNE): LC-ESI-MS/MS evidence for Cys374 Michael adduction. Journal of Mass Spectrometry, 2005, 40, 946-954.	1.6	74
118	S-Nitrosation versus S-Glutathionylation of Protein Sulfhydryl Groups by S-Nitrosoglutathione. Antioxidants and Redox Signaling, 2005, 7, 930-939.	5.4	127
119	S-Glutathionylation: from redox regulation of protein functions to human diseases. Journal of Cellular and Molecular Medicine, 2004, 8, 201-212.	3.6	265
120	Interference of Plasmatic Reduced Glutathione and Hemolysis on Glutathione Disulfide Levels in Human Blood. Free Radical Research, 2004, 38, 1101-1106.	3.3	19
121	Adaptation of the Griess Reaction for Detection of Nitrite in Human Plasma. Free Radical Research, 2004, 38, 1235-1240.	3.3	60
122	Nitric oxide, S-nitrosothiols and hemoglobin: is methodology the key?. Trends in Pharmacological Sciences, 2004, 25, 311-316.	8.7	49
123	Protein carbonyl groups as biomarkers of oxidative stress. Clinica Chimica Acta, 2003, 329, 23-38.	1.1	1,888
124	Reversible S-glutathionylation of Cys374 regulates actin filament formation by inducing structural changes in the actin molecule. Free Radical Biology and Medicine, 2003, 34, 23-32.	2.9	178
125	Actin S-glutathionylation: evidence against a thiol-disulphide exchange mechanism. Free Radical Biology and Medicine, 2003, 35, 1185-1193.	2.9	104
126	An improved HPLC measurement for GSH and GSSG in human blood. Free Radical Biology and Medicine, 2003, 35, 1365-1372.	2.9	140

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127	Nitric oxide and S-nitrosothiols in human blood. Clinica Chimica Acta, 2003, 330, 85-98.	1.1	117
128	Protein carbonylation in human diseases. Trends in Molecular Medicine, 2003, 9, 169-176.	6.7	813
129	Protein Glutathionylation in Erythrocytes. Clinical Chemistry, 2003, 49, 327-330.	3.2	59
130	Blood Glutathione Disulfide: In Vivo Factor or in Vitro Artifact?. Clinical Chemistry, 2002, 48, 742-753.	3.2	227
131	Methionine oxidation as a major cause of the functional impairment of oxidized actin. Free Radical Biology and Medicine, 2002, 32, 927-937.	2.9	126
132	Blood glutathione disulfide: in vivo factor or in vitro artifact?. Clinical Chemistry, 2002, 48, 742-53.	3.2	53
133	Physiological Levels of <i>S</i> -Nitrosothiols in Human Plasma. Circulation Research, 2001, 89, .	4.5	38
134	Actin carbonylation: from a simple marker of protein oxidation to relevant signs of severe functional impairment. Free Radical Biology and Medicine, 2001, 31, 1075-1083.	2.9	148
135	The actin cytoskeleton response to oxidants: from small heat shock protein phosphorylation to changes in the redox state of actin itself. Free Radical Biology and Medicine, 2001, 31, 1624-1632.	2.9	353
136	Different Metabolizing Ability of Thiol Reactants in Human and Rat Blood. Journal of Biological Chemistry, 2001, 276, 7004-7010.	3.4	76
137	S-NO-actin: S-nitrosylation kinetics and the effect on isolated vascular smooth muscle. Journal of Muscle Research and Cell Motility, 2000, 21, 171-181.	2.0	81
138	Effects of Chlorpromazine on Actin Polymerization: Slackening of Filament Elongation and Filament Annealing. Archives of Biochemistry and Biophysics, 1999, 369, 59-67.	3.0	9
139	Effect of Replacement of the Tightly Bound Ca2+by Ba2+on Actin Polymerization. Archives of Biochemistry and Biophysics, 1998, 351, 141-148.	3.0	8
140	Prolonged Oxidative Stress on Actin. Archives of Biochemistry and Biophysics, 1997, 339, 267-274.	3.0	71
141	Interaction of cardiac α-actinin and actin in the presence of doxorubicin. Experimental and Molecular Pathology, 1992, 56, 229-238.	2.1	5
142	Lithium increases actin polymerization rates by enhancing the nucleation step. Journal of Molecular Biology, 1991, 217, 401-404.	4.2	12