Tilman Grune

List of Publications by Year in Descending Order

366 papers	24,452 citations	74 h-index	145 g-index
397 ext. papers	27,480 ext. citations	5.6 avg, IF	6.98 L-index

#	Paper	IF	Citations
366	High-fat, sucrose and salt-rich diet during rat spermatogenesis lead to the development of chronic kidney disease in the female offspring of the F2 generation.. *FASEB Journal*, **2022**, 36, e22259	0.9	0
365	Detrimental effects of branched-chain amino acids in glucose tolerance can be attributed to valine induced glucotoxicity in skeletal muscle.. *Nutrition and Diabetes*, **2022**, 12, 20	4.7	2
364	Spontaneous Degenerative Aortic Valve Disease in New Zealand Obese Mice. *Journal of the American Heart Association*, **2021**, 10, e023131	6	1
363	Association between fat-soluble vitamins and self-reported health status: a cross-sectional analysis of the MARK-AGE cohort. *British Journal of Nutrition*, **2021**, 1-11	3.6	
362	Do low molecular weight antioxidants contribute to the Protection against oxidative damage? The interrelation between oxidative stress and low molecular weight antioxidants based on data from the MARK-AGE study. *Archives of Biochemistry and Biophysics*, **2021**, 713, 109061	4.1	1
361	Network analysis in aged C. elegans reveals candidate regulatory genes of ageing. *Biogerontology*, **2021**, 22, 345-367	4.5	
360	Hepatic Wnt1 Inducible Signaling Pathway Protein 1 (WISP-1/CCN4) Associates with Markers of Liver Fibrosis in Severe Obesity. *Cells*, **2021**, 10,	7.9	1
359	Ageing affects subtelomeric DNA methylation in blood cells from a large European population enrolled in the MARK-AGE study. *GeroScience*, **2021**, 43, 1283-1302	8.9	0
358	Hypertrophy-Reduced Autophagy Causes Cardiac Dysfunction by Directly Impacting Cardiomyocyte Contractility. *Cells*, **2021**, 10,	7.9	4
357	Age, Sex, and BMI Influence on Copper, Zinc, and Their Major Serum Carrier Proteins in a Large European Population Including Nonagenarian Offspring From MARK-AGE Study. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 2097-2106	6.4	3
356	Microbiota profiling in aging-associated inflammation and liver degeneration. *International Journal of Medical Microbiology*, **2021**, 311, 151500	3.7	3
355	Microbiome in Blood Samples From the General Population Recruited in the MARK-AGE Project: A Pilot Study. *Frontiers in Microbiology*, **2021**, 12, 707515	5.7	3
354	Sarcopenia - Molecular mechanisms and open questions. *Ageing Research Reviews*, **2021**, 65, 101200	12	33
353	Sensitivity of Osteosarcoma Cells to Concentration-Dependent Bioactivities of Lipid Peroxidation Product 4-Hydroxynonenal Depend on Their Level of Differentiation. *Cells*, **2021**, 10,	7.9	4
352	A robust machine learning framework to identify signatures for frailty: a nested case-control study in four aging European cohorts. *GeroScience*, **2021**, 43, 1317-1329	8.9	9
351	Reduced Liver Autophagy in High-Fat Diet Induced Liver Steatosis in New Zealand Obese Mice. *Antioxidants*, **2021**, 10,	7.1	4
350	Bioavailability of nutrients from edible insects. *Current Opinion in Food Science*, **2021**, 41, 240-248	9.8	20

349	Decreased proteasomal cleavage at nitrotyrosine sites in proteins and peptides. *Redox Biology*, **2021**, 46, 102106	11.3	2
348	Low-Grade Systemic Inflammation Interferes with Anabolic and Catabolic Characteristics of the Aged Human Skeletal Muscle.. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 8376915	6.7	2
347	Advanced glycation end products and protein carbonyl levels in plasma reveal sex-specific differences in Parkinson's and Alzheimer's disease. *Redox Biology*, **2020**, 34, 101546	11.3	28
346	Toxicity of fluoride: critical evaluation of evidence for human developmental neurotoxicity in epidemiological studies, animal experiments and in vitro analyses. *Archives of Toxicology*, **2020**, 94, 1375-1415	5.8	33
345	Cardiomyocyte Contractility and Autophagy in a Premature Senescence Model of Cardiac Aging. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 8141307	6.7	5
344	Arterial structure and function during and after long-duration spaceflight. *Journal of Applied Physiology*, **2020**, 129, 108-123	3.7	14
343	In pursuit of novel biomarkers reflecting intestinal inflammation: temporal variability and phenotypic characterisation of serum calprotectin and lactoferrin. *Journal of Laboratory and Precision Medicine*, **2020**, 5, 11-11	1.1	1
342	Low steady-state oxidative stress inhibits adipogenesis by altering mitochondrial dynamics and decreasing cellular respiration. *Redox Biology*, **2020**, 32, 101507	11.3	13
341	Oxidized protein aggregates: Formation and biological effects. *Free Radical Biology and Medicine*, **2020**, 150, 120-124	7.8	14
340	Plasma carotenoids, tocopherols and retinol - Association with age in the Berlin Aging Study II. *Redox Biology*, **2020**, 32, 101461	11.3	6
339	Saliva Samples as A Tool to Study the Effect of Meal Timing on Metabolic And Inflammatory Biomarkers. *Nutrients*, **2020**, 12,	6.7	7
338	Aging affects sex- and organ-specific trace element profiles in mice. *Aging*, **2020**, 12, 13762-13790	5.6	6
337	Effects of diets high in animal or plant protein on oxidative stress in individuals with type 2 diabetes: A randomized clinical trial. *Redox Biology*, **2020**, 29, 101397	11.3	10
336	Prevalence and Loads of Torquetenovirus in the European MARK-AGE Study Population. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 1838-1845	6.4	6
335	Proteasomal degradation of glycated proteins depends on substrate unfolding: Preferred degradation of moderately modified myoglobin. *Free Radical Biology and Medicine*, **2020**, 152, 516-524	7.8	4
334	Accumulation of polyubiquitinated proteins: A consequence of early inactivation of the 26S proteasome. *Free Radical Biology and Medicine*, **2020**, 160, 293-302	7.8	1
333	High-protein diet more effectively reduces hepatic fat than low-protein diet despite lower autophagy and FGF21 levels. *Liver International*, **2020**, 40, 2982-2997	7.9	21
332	Medication Intake Is Associated with Lower Plasma Carotenoids and Higher Fat-Soluble Vitamins in the Cross-Sectional MARK-AGE Study in Older Individuals. *Journal of Clinical Medicine*, **2020**, 9,	5.1	2

331	Age-Related Maintenance of the Autophagy-Lysosomal System Is Dependent on Skeletal Muscle Type. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 4908162	6.7	10
330	Redox homeostasis and cell cycle activation mediate beta-cell mass expansion in aged, diabetes-prone mice under metabolic stress conditions: Role of thioredoxin-interacting protein (TXNIP). *Redox Biology*, **2020**, 37, 101748	11.3	2
329	Punicalagin Attenuates Palmitate-Induced Lipid Droplet Content by Simultaneously Improving Autophagy in Hepatocytes. *Molecular Nutrition and Food Research*, **2020**, 64, e2000816	5.9	5
328	Sustainable food protein supply reconciling human and ecosystem health: A Leibniz Position. *Global Food Security*, **2020**, 25, 100367	8.3	12
327	Do people living with HIV experience greater age advancement than their HIV-negative counterparts?. *Aids*, **2019**, 33, 259-268	3.5	56
326	Sugar-derived AGEs accelerate pharyngeal pumping rate and increase the lifespan of. *Free Radical Research*, **2019**, 53, 1056-1067	4	5
325	Lipofuscin-dependent stimulation of microglial cells. *Graefejs Archive for Clinical and Experimental Ophthalmology*, **2019**, 257, 931-952	3.8	6
324	Gender- and age-dependencies of oxidative stress, as detected based on the steady state concentrations of different biomarkers in the MARK-AGE study. *Redox Biology*, **2019**, 24, 101204	11.3	28
323	Methionine restriction prevents onset of type 2 diabetes in NZO mice. *FASEB Journal*, **2019**, 33, 7092-7102	4.9	36
322	Amaranthus 2-Caffeoylisocitric Acid-An Anti-Inflammatory Caffeic Acid Derivative That Impairs NF-B Signaling in LPS-Challenged RAW 264.7 Macrophages. *Nutrients*, **2019**, 11,	6.7	6
321	Endogenous advanced glycation end products in pancreatic islets after short-term carbohydrate intervention in obese, diabetes-prone mice. *Nutrition and Diabetes*, **2019**, 9, 9	4.7	17
320	Associations of fat-soluble micronutrients and redox biomarkers with frailty status in the FRAILOMIC initiative. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 1339-1346	10.3	12
319	Associations of Plasma 3-Methylhistidine with Frailty Status in French Cohorts of the FRAILOMIC Initiative. *Journal of Clinical Medicine*, **2019**, 8,	5.1	14
318	The "MYOCYTER" - Convert cellular and cardiac contractions into numbers with ImageJ. *Scientific Reports*, **2019**, 9, 15112	4.9	11
317	Nutritional Factors Modulating Alu Methylation in an Italian Sample from The Mark-Age Study Including Offspring of Healthy Nonagenarians. *Nutrients*, **2019**, 11,	6.7	3
316	Assessing autophagy in murine skeletal muscle: current findings to modulate and quantify the autophagic flux. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2019**, 22, 355-362	3.8	5
315	Impaired proteostasis during skeletal muscle aging. *Free Radical Biology and Medicine*, **2019**, 132, 58-66	7.8	41
314	Low proteasomal activity in fast skeletal muscle fibers is not associated with increased age-related oxidative damage. *Experimental Gerontology*, **2019**, 117, 45-52	4.5	4

313	Non-enzymatic cleavage of Hsp90 by oxidative stress leads to actin aggregate formation: A novel gain-of-function mechanism. *Redox Biology*, **2019**, 21, 101108	11.3	9
312	Protein aggregates and proteostasis in aging: Amylin and β-cell function. *Mechanisms of Ageing and Development*, **2019**, 177, 46-54	5.6	29
311	Patterns of circulating fat-soluble vitamins and carotenoids and risk of frailty in four European cohorts of older adults. *European Journal of Nutrition*, **2019**, 58, 379-389	5.2	16
310	Antioxidants linked with physical, cognitive and psychological frailty: Analysis of candidate biomarkers and markers derived from the MARK-AGE study. *Mechanisms of Ageing and Development*, **2019**, 177, 135-143	5.6	16
309	Early cysteine-dependent inactivation of 26S proteasomes does not involve particle disassembly. *Redox Biology*, **2018**, 16, 123-128	11.3	4
308	Protein and cell wall polysaccharide carbonyl determination by a neutral pH 2,4-dinitrophenylhydrazine-based photometric assay. *Redox Biology*, **2018**, 17, 128-142	11.3	10
307	The Influence of Dietary Habits and Meat Consumption on Plasma 3-Methylhistidine-A Potential Marker for Muscle Protein Turnover. *Molecular Nutrition and Food Research*, **2018**, 62, e1701062	5.9	30
306	Partial involvement of Nrf2 in skeletal muscle mitohormesis as an adaptive response to mitochondrial uncoupling. *Scientific Reports*, **2018**, 8, 2446	4.9	28
305	"Cyt/Nuc," a Customizable and Documenting ImageJ Macro for Evaluation of Protein Distributions Between Cytosol and Nucleus. *Biotechnology Journal*, **2018**, 13, e1700652	5.6	2
304	DNA Hydroxymethylation Levels Are Altered in Blood Cells From Down Syndrome Persons Enrolled in the MARK-AGE Project. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 737-744	6.4	12
303	Protein carbonyl determination by a rhodamine B hydrazide-based fluorometric assay. *Redox Biology*, **2018**, 17, 236-245	11.3	5
302	Oxidants produced by methylglyoxal-modified collagen trigger ER stress and apoptosis in skin fibroblasts. *Free Radical Biology and Medicine*, **2018**, 120, 102-113	7.8	20
301	Zinc-Induced Metallothionein in Centenarian Offspring From a Large European Population: The MARK-AGE Project. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 745-753	6.4	6
300	Short overview on metabolomic approach and redox changes in psychiatric disorders. *Redox Biology* , **2018**, 14, 178-186	11.3	45
299	Protection against Tetanus and Diphtheria in Europe: The impact of age, gender and country of origin based on data from the MARK-AGE Study. *Experimental Gerontology*, **2018**, 105, 109-112	4.5	13
298	Short overview on metabolomics approach to study pathophysiology of oxidative stress in cancer. *Redox Biology*, **2018**, 14, 47-58	11.3	78
297	Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals. *Cardiovascular Ultrasound*, **2018**, 16, 10	2.4	16
296	Mitochondrial Chaperones in the Brain: Safeguarding Brain Health and Metabolism?. *Frontiers in Endocrinology*, **2018**, 9, 196	5.7	26

295	SIPS as a model to study age-related changes in proteolysis and aggregate formation. *Mechanisms of Ageing and Development*, **2018**, 170, 72-81	5.6	15
294	Proteomic approach for understanding milder neurotoxicity of Carfilzomib against Bortezomib. *Scientific Reports*, **2018**, 8, 16318	4.9	18
293	Sex Differences in Cardiac Mitochondria in the New Zealand Obese Mouse. *Frontiers in Endocrinology*, **2018**, 9, 732	5.7	11
292	Diurnal distribution of carbohydrates and fat affects substrate oxidation and adipokine secretion in humans. *American Journal of Clinical Nutrition*, **2018**, 108, 1209-1219	7	8
291	Dietary advanced glycation end products and their relevance for human health. *Ageing Research Reviews*, **2018**, 47, 55-66	12	90
290	Cross-talk between lipid and protein carbonylation in a dynamic cardiomyocyte model of mild nitroxidative stress. *Redox Biology*, **2017**, 11, 438-455	11.3	31
289	Mitochondrial contribution to lipofuscin formation. *Redox Biology*, **2017**, 11, 673-681	11.3	64
288	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162	11.3	185
287	New findings of oxidative stress biomarkers in nutritional research. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2017**, 20, 349-359	3.8	5
286	Protein Carbonylation in Aging and Senescence **2017**, 272-290		4
285	Happily (n)ever after: Aging in the context of oxidative stress, proteostasis loss and cellular senescence. *Redox Biology*, **2017**, 11, 482-501	11.3	165
284	Proteasome inhibitors in cancer therapy: Treatment regimen and peripheral neuropathy as a side effect. *Free Radical Biology and Medicine*, **2017**, 103, 1-13	7.8	49
283	Selenium increases hepatic DNA methylation and modulates one-carbon metabolism in the liver of mice. *Journal of Nutritional Biochemistry*, **2017**, 48, 112-119	6.3	34
282	Plasma 3-Methylhistidine as Marker for Muscle Status: Impact of Diet and Meat Intervention. *Free Radical Biology and Medicine*, **2017**, 108, S86	7.8	1
281	Proteostasis, oxidative stress and aging. *Redox Biology*, **2017**, 13, 550-567	11.3	117
280	4-Hydroxynonenal (HNE) modified proteins in metabolic diseases. *Free Radical Biology and Medicine* , **2017**, 111, 309-315	7.8	104
279	Associations between Specific Redox Biomarkers and Age in a Large European Cohort: The MARK-AGE Project. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 1401452	6.7	23
278	In Search of ROmicsRBased Biomarkers to Predict Risk of Frailty and Its Consequences in Older Individuals: The FRAILOMIC Initiative. *Gerontology*, **2016**, 62, 182-90	5.5	57

277	Reduced autophagy leads to an impaired ferritin turnover in senescent fibroblasts. *Free Radical Biology and Medicine*, **2016**, 101, 325-333	7.8	19
276	Insulin-degrading enzyme: new therapeutic target for diabetes and Alzheimer's disease?. *Annals of Medicine*, **2016**, 48, 614-624	1.5	59
275	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
274	Analysis of the machinery and intermediates of the 5hmC-mediated DNA demethylation pathway in aging on samples from the MARK-AGE Study. *Aging*, **2016**, 8, 1896-1922	5.6	31
273	Impact of Food Rations and Supplements on Micronutrient Status by Trimester of Pregnancy: Cross-Sectional Studies in the Maela Refugee Camp in Thailand. *Nutrients*, **2016**, 8, 66	6.7	11
272	Plasma Carotenoids, Tocopherols, and Retinol in the Age-Stratified (35-74 Years) General Population: A Cross-Sectional Study in Six European Countries. *Nutrients*, **2016**, 8,	6.7	30
271	Macroautophagy is impaired in old murine brain tissue as well as in senescent human fibroblasts. *Redox Biology*, **2016**, 10, 266-273	11.3	48
270	The two faces of reactive oxygen species (ROS) in adipocyte function and dysfunction. *Biological Chemistry*, **2016**, 397, 709-24	4.5	78
269	Peroxynitrite: From interception to signaling. *Archives of Biochemistry and Biophysics*, **2016**, 595, 153-60	4.1	34
268	The molecular chaperone Hsp70 promotes the proteolytic removal of oxidatively damaged proteins by the proteasome. *Free Radical Biology and Medicine*, **2016**, 99, 153-166	7.8	74
267	Age-dependent expression of DNMT1 and DNMT3B in PBMCs from a large European population enrolled in the MARK-AGE study. *Aging Cell*, **2016**, 15, 755-65	9.9	51
266	Quantification of age-related changes of □-tocopherol in lysosomal membranes in murine tissues and human fibroblasts. *BioFactors*, **2016**, 42, 307-15	6.1	7
265	The transition zone protein Rpgrip1l regulates proteasomal activity at the primary cilium. *Journal of Cell Biology*, **2015**, 210, 115-33	7.3	54
264	Quality control data of physiological and immunological biomarkers measured in serum and plasma. *Mechanisms of Ageing and Development*, **2015**, 151, 54-9	5.6	12
263	Insulin-degrading enzyme: is it suitable for diabetes treatment?. *Cell Cycle*, **2015**, 14, 2553	4.7	1
262	Advanced glycation end products and oxidative stress in type 2 diabetes mellitus. *Biomolecules*, **2015**, 5, 194-222	5.9	529
261	MARK-AGE biomarkers of ageing. *Mechanisms of Ageing and Development*, **2015**, 151, 2-12	5.6	145
260	Clinical Relevance of Biomarkers of Oxidative Stress. *Antioxidants and Redox Signaling*, **2015**, 23, 1144-70	8.4	415

259	MARK-AGE standard operating procedures (SOPs): A successful effort. *Mechanisms of Ageing and Development*, **2015**, 151, 18-25	5.6	30
258	Determination of protein carbonyls in plasma, cell extracts, tissue homogenates, isolated proteins: Focus on sample preparation and derivatization conditions. *Redox Biology*, **2015**, 5, 367-380	11.3	174
257	Identification of an unstable 4-hydroxynoneal modification on the 20S proteasome subunit β7 by recombinant antibody technology. *Free Radical Biology and Medicine*, **2015**, 89, 786-92	7.8	14
256	Plasma carotenoids, tocopherols, and retinol: Associations with age and demographic characteristics in the age-stratified general population of the European MARK-AGE study. *Free Radical Biology and Medicine*, **2015**, 86, S25-S26	7.8	1
255	Protein Oxidation in Aging: Does It Play a Role in Aging Progression?. *Antioxidants and Redox Signaling*, **2015**, 23, 239-55	8.4	103
254	Actual Isothermal Effects of Water-Filtered Infrared A-Irradiation. *Photochemistry and Photobiology*, **2015**, 91, 887-94	3.6	5
253	Relationship between inflammation and oxidative stress and cognitive decline in the institutionalized elderly. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 804198	6.7	81
252	Protein Oxidation in Toxicology. *Oxidative Stress in Applied Basic Research and Clinical Practice*, **2015** , 81-102		2
251	Epigenetic effects of selenium and their implications for health. *Epigenetics*, **2015**, 10, 179-90	5.7	79
250	Validation of protein carbonyl measurement: a multi-centre study. *Redox Biology*, **2015**, 4, 149-57	11.3	86
249	The use of total antioxidant capacity as surrogate marker for food quality and its effect on health is to be discouraged. *Nutrition*, **2014**, 30, 791-3	4.8	47
248	Role of advanced glycation end products in cellular signaling. *Redox Biology*, **2014**, 2, 411-29	11.3	651
247	Degradation of oxidized and glycoxidized collagen: role of collagen cross-linking. *Archives of Biochemistry and Biophysics*, **2014**, 542, 56-64	4.1	26
246	Posttranslational protein modifications by reactive nitrogen and chlorine species and strategies for their prevention and elimination. *Free Radical Research*, **2014**, 48, 1267-84	4	10
245	Increased loading of vitamin D in reassembled casein micelles with temperature-modulated high pressure treatment. *Food Research International*, **2014**, 64, 74-80	7	33
244	Adenosine triphosphate concentrations are higher in the brain of APOE3- compared to APOE4-targeted replacement mice and can be modulated by curcumin. *Genes and Nutrition*, **2014**, 9, 397	4.3	28
243	Oxidative stress markers and micronutrients in maternal and cord blood in relation to neonatal outcome. *European Journal of Clinical Nutrition*, **2014**, 68, 215-22	5.2	62
242	The proteasome and the degradation of oxidized proteins: part III-Redox regulation of the proteasomal system. *Redox Biology*, **2014**, 2, 388-94	11.3	99

241	Accumulation of modified proteins and aggregate formation in aging. *Experimental Gerontology*, **2014**, 57, 122-31	4.5	53
240	Protein damage, repair and proteolysis. *Molecular Aspects of Medicine*, **2014**, 35, 1-71	16.7	165
239	Fatty acid status and its relationship to cognitive decline and homocysteine levels in the elderly. *Nutrients*, **2014**, 6, 3624-40	6.7	27
238	Plasma levels of HDL and carotenoids are lower in dementia patients with vascular comorbidities. *Journal of Alzheimerjs Disease*, **2014**, 40, 399-408	4.3	50
237	Dietary exposure to continuous small doses of □ypermethrin in the presence or absence of dietary curcumin does not induce oxidative stress in male Wistar rats. *Toxicology Reports*, **2014**, 1, 1106-1114	4.8	11
236	A comparative study into alterations of coenzyme Q redox status in ageing pigs, mice, and worms. *BioFactors*, **2014**, 40, 346-54	6.1	15
235	Reprint of "accumulation of modified proteins and aggregate formation in aging". *Experimental Gerontology*, **2014**, 59, 3-12	4.5	12
234	Pathophysiological importance of aggregated damaged proteins. *Free Radical Biology and Medicine*, **2014**, 71, 70-89	7.8	94
233	The proteasome and the degradation of oxidized proteins: Part II - protein oxidation and proteasomal degradation. *Redox Biology*, **2014**, 2, 99-104	11.3	118
232	Protein oxidation and proteolytic signalling in aging. *Current Pharmaceutical Design*, **2014**, 20, 3040-51	3.3	16
231	Molecular strategies to prevent, inhibit, and degrade advanced glycoxidation and advanced lipoxidation end products. *Free Radical Research*, **2013**, 47 Suppl 1, 93-137	4	109
230	The role of heat stress on the age related protein carbonylation. *Journal of Proteomics*, **2013**, 89, 238-54	3.9	9
229	Biomarkers of oxidative stress, antioxidant defence and inflammation are altered in the senescence-accelerated mouse prone 8. *Age*, **2013**, 35, 1205-17		22
228	5-Methyltetrahydrofolate and thiamine diphosphate in cord-blood erythrocytes of preterm versus term newborns. *European Journal of Clinical Nutrition*, **2013**, 67, 1029-35	5.2	7
227	Protein oxidation in aging and the removal of oxidized proteins. *Journal of Proteomics*, **2013**, 92, 132-59	3.9	158
226	Diet-derived advanced glycation end products or lipofuscin disrupts proteostasis and reduces life span in Drosophila melanogaster. *Free Radical Biology and Medicine*, **2013**, 65, 1155-1163	7.8	42
225	Lipofuscin: formation, effects and role of macroautophagy. *Redox Biology*, **2013**, 1, 140-4	11.3	179
224	The proteasome and the degradation of oxidized proteins: Part I-structure of proteasomes. *Redox Biology*, **2013**, 1, 178-82	11.3	72

223	Actin carbonylation: from cell dysfunction to organism disorder. *Journal of Proteomics*, **2013**, 92, 171-80	3.9	24
222	Measurement of HNE-protein adducts in human plasma and serum by ELISA-Comparison of two primary antibodies. *Redox Biology*, **2013**, 1, 226-33	11.3	84
221	Method for the simultaneous determination of free/protein malondialdehyde and lipid/protein hydroperoxides. *Free Radical Biology and Medicine*, **2013**, 59, 27-35	7.8	41
220	High-resolution quantitative metabolome analysis of urine by automated flow injection NMR. *Analytical Chemistry*, **2013**, 85, 5801-9	7.8	28
219	Neurodegeneration und Alterungsprozesse. *Springer-Lehrbuch*, **2013**, 145-159	0.4	
218	Experimental basis for discriminating between thermal and athermal effects of water-filtered infrared A irradiation. *Annals of the New York Academy of Sciences*, **2012**, 1259, 33-8	6.5	12
217	Oxidative protein damage and the proteasome. *Amino Acids*, **2012**, 42, 23-38	3.5	48
216	A diet rich in olive oil phenolics reduces oxidative stress in the heart of SAMP8 mice by induction of Nrf2-dependent gene expression. *Rejuvenation Research*, **2012**, 15, 71-81	2.6	98
215	Structure of the proteasome. *Progress in Molecular Biology and Translational Science*, **2012**, 109, 1-39	4	30
214	Chaperones, but not oxidized proteins, are ubiquitinated after oxidative stress. *Free Radical Biology and Medicine*, **2012**, 53, 1468-77	7.8	36
213	Lipofuscin is formed independently of macroautophagy and lysosomal activity in stress-induced prematurely senescent human fibroblasts. *Free Radical Biology and Medicine*, **2012**, 53, 1760-9	7.8	45
212	Histone deacetylase 6 (HDAC6) plays a crucial role in p38MAPK-dependent induction of heme oxygenase-1 (HO-1) in response to proteasome inhibition. *Free Radical Biology and Medicine*, **2012**, 53, 2092-101	7.8	22
211	Rapid and sensitive determination of protein-nitrotyrosine by ELISA: Application to human plasma. *Free Radical Research*, **2012**, 46, 276-85	4	33
210	Carbonylation of the cytoskeletal protein actin leads to aggregate formation. *Free Radical Biology and Medicine*, **2012**, 53, 916-25	7.8	47
209	Protein Oxidation and Aging: Different Model Systems and Affecting Factors **2012**, 295-415		
208	Oxidative Stress and Protein Oxidation **2012**, 1-214		2
207	Removal of Oxidized Proteins **2012**, 215-293		
206	Protein Oxidation in Some Age-Related Diseases **2012**, 417-478		1

205	Interactions of the proteasomal system with chaperones: protein triage and protein quality control. *Progress in Molecular Biology and Translational Science*, **2012**, 109, 113-60	4	39
204	The contribution of β-carotene to vitamin A supply of humans. *Molecular Nutrition and Food Research*, **2012**, 56, 251-8	5.9	92
203	An experimental setup for the measurement of nonthermal effects during water-filtered infrared A-irradiation of mammalian cell cultures. *Photochemistry and Photobiology*, **2012**, 88, 371-80	3.6	9
202	Cathepsins D and L reduce the toxicity of advanced glycation end products. *Free Radical Biology and Medicine*, **2012**, 52, 1011-23	7.8	41
201	Advanced-glycation-end-product-induced formation of immunoproteasomes: involvement of RAGE and Jak2/STAT1. *Biochemical Journal*, **2012**, 448, 127-39	3.8	63
200	Proteasome and neurodegenerative diseases. *Progress in Molecular Biology and Translational Science*, **2012**, 109, 397-414	4	8
199	Protection by flavanol-rich foods against vascular dysfunction and oxidative damage: 27th Hohenheim Consensus Conference. *Advances in Nutrition*, **2012**, 3, 217-21	10	15
198	**2012**,		3
197	Protein oxidative modifications in the ageing brain: consequence for the onset of neurodegenerative disease. *Free Radical Research*, **2011**, 45, 73-88	4	73
196	Protein Carbonyl Measurement by Enzyme Linked Immunosorbent Assay **2011**, 432-439		2
195	Proteins bearing oxidation-induced carbonyl groups are not preferentially ubiquitinated. *Biochimie*, **2011**, 93, 1076-9	4.6	27
194	Age-related loss of stress-induced nuclear proteasome activation is due to low PARP-1 activity. *Free Radical Biology and Medicine*, **2011**, 50, 86-92	7.8	26
193	Combination of PDT and inhibitor treatment affects melanoma cells and spares keratinocytes. *Free Radical Biology and Medicine*, **2011**, 50, 305-12	7.8	24
192	Lipofuscin inhibits the proteasome by binding to surface motifs. *Free Radical Biology and Medicine*, **2011**, 50, 585-91	7.8	90
191	HSP70 mediates dissociation and reassociation of the 26S proteasome during adaptation to oxidative stress. *Free Radical Biology and Medicine*, **2011**, 51, 1355-64	7.8	158
190	The outcome of 5-ALA-mediated photodynamic treatment in melanoma cells is influenced by vitamin C and heme oxygenase-1. *BioFactors*, **2011**, 37, 17-24	6.1	27
189	The relationships between exogenous and endogenous antioxidants with the lipid profile and oxidative damage in hemodialysis patients. *BMC Nephrology*, **2011**, 12, 59	2.7	33
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