Maya Schuldiner

List of Publications by Year in Descending Order

151 papers	12,875 citations	51 h-index	113 g-index
195 ext. papers	15,199 ext. citations	11.1 avg, IF	6.38 L-index

#	Paper	IF	Citations
151	Peroxisome function relies on organelle-associated mRNA translation.. *Science Advances*, **2022**, 8, eabk2141	14.3	2
150	A similarity-based method for predicting enzymatic functions in yeast uncovers a new AMP hydrolase.. *Journal of Molecular Biology*, **2022**, 434, 167478	6.5	1
149	Show your true color: Mammalian cell surface staining for tracking cellular identity in multiplexing and beyond. *Current Opinion in Chemical Biology*, **2021**, 66, 102102	9.7	1
148	Widespread use of unconventional targeting signals in mitochondrial ribosome proteins. *EMBO Journal*, **2021**, e109519	13	0
147	Cnm1 mediates nucleus-mitochondria contact site formation in response to phospholipid levels. *Journal of Cell Biology*, **2021**, 220,	7.3	6
146	The ER protein Ema19 facilitates the degradation of nonimported mitochondrial precursor proteins. *Molecular Biology of the Cell*, **2021**, 32, 664-674	3.5	10
145	The chaperone-binding activity of the mitochondrial surface receptor Tom70 protects the cytosol against mitoprotein-induced stress. *Cell Reports*, **2021**, 35, 108936	10.6	19
144	The Fast and the Furious: Golgi Contact Sites.. *Contact (Thousand Oaks (Ventura County, Calif))*, **2021**, 4, 1-15	2.6	1
143	Post-ER degradation of misfolded GPI-anchored proteins is linked with microautophagy. *Current Biology*, **2021**, 31, 4025-4037.e5	6.3	4
142	Double the Fun, Double the Trouble: Paralogs and Homologs Functioning in the Endoplasmic Reticulum. *Annual Review of Biochemistry*, **2020**, 89, 637-666	29.1	5
141	New horizons in mitochondrial contact site research. *Biological Chemistry*, **2020**, 401, 793-809	4.5	10
140	Unbiased yeast screens identify cellular pathways affected in Niemann-Pick disease type C. *Life Science Alliance*, **2020**, 3,	5.8	2
139	Noncanonical regulation of phosphatidylserine metabolism by a Sec14-like protein and a lipid kinase. *Journal of Cell Biology*, **2020**, 219,	7.3	9
138	Pex14p Phosphorylation Modulates Import of Citrate Synthase 2 Into Peroxisomes in. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 549451	5.7	10
137	Cargo Release from Myosin V Requires the Convergence of Parallel Pathways that Phosphorylate and Ubiquitylate the Cargo Adaptor. *Current Biology*, **2020**, 30, 4399-4412.e7	6.3	8
136	Cytosolic Events in the Biogenesis of Mitochondrial Proteins. *Trends in Biochemical Sciences*, **2020**, 45, 650-667	10.3	39
135	A piggybacking mechanism enables peroxisomal localization of the glyoxylate cycle enzyme Mdh2 in yeast. *Journal of Cell Science*, **2020**, 133,	5.3	8

134	Uncovering targeting priority to yeast peroxisomes using an in-cell competition assay. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21432-21440	11.5	8
133	The NADH Dehydrogenase Nde1 Executes Cell Death after Integrating Signals from Metabolism and Proteostasis on the Mitochondrial Surface. *Molecular Cell*, **2020**, 77, 189-202.e6	17.6	24
132	The mitochondrial intermembrane space-facing proteins Mcp2 and Tgl2 are involved in yeast lipid metabolism. *Molecular Biology of the Cell*, **2019**, 30, 2681-2694	3.5	2
131	Transfer of the Septin Ring to Cytokinetic Remnants in ER Stress Directs Age-Sensitive Cell-Cycle Re-entry. *Developmental Cell*, **2019**, 51, 173-191.e5	10.2	2
130	Cytotoxicity of 1-deoxysphingolipid unraveled by genome-wide genetic screens and lipidomics in. *Molecular Biology of the Cell*, **2019**, 30, 2814-2826	3.5	11
129	Assessment of GFP Tag Position on Protein Localization and Growth Fitness in Yeast. *Journal of Molecular Biology*, **2019**, 431, 636-641	6.5	30
128	Yeast ceramide synthases, Lag1 and Lac1, have distinct substrate specificity. *Journal of Cell Science*, **2019**, 132,	5.3	10
127	Coming together to define membrane contact sites. *Nature Communications*, **2019**, 10, 1287	17.4	229
126	Promethin Is a Conserved Seipin Partner Protein. *Cells*, **2019**, 8,	7.9	35
125	The Endoplasmic Reticulum-Mitochondria Encounter Structure Complex Coordinates Coenzyme Q Biosynthesis. *Contact (Thousand Oaks (Ventura County, Calif))*, **2019**, 2, 2515256418825409	2.6	23
124	Protein Topology Prediction Algorithms Systematically Investigated in the Yeast Saccharomyces cerevisiae. *BioEssays*, **2019**, 41, e1800252	4.1	8
123	Compartmentalized Synthesis of Triacylglycerol at the Inner Nuclear Membrane Regulates Nuclear Organization. *Developmental Cell*, **2019**, 50, 755-766.e6	10.2	28
122	Disease-causing mutations in subunits of OXPHOS complex I affect certain physical interactions. *Scientific Reports*, **2019**, 9, 9987	4.9	4
121	High-throughput ultrastructure screening using electron microscopy and fluorescent barcoding. *Journal of Cell Biology*, **2019**, 218, 2797-2811	7.3	13
120	Novel Regulation of Lipid Metabolism by a Phosphatidylinositol Transfer Protein and a Phosphatidylinositol 4-Kinase. *FASEB Journal*, **2019**, 33, lb330	0.9	
119	AMPK regulates ESCRT-dependent microautophagy of proteasomes concomitant with proteasome storage granule assembly during glucose starvation. *PLoS Genetics*, **2019**, 15, e1008387	6	13
118	Translational Regulation of Pmt1 and Pmt2 by Bfr1 Affects Unfolded Protein O-Mannosylation. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	4
117	Overexpression of branched-chain amino acid aminotransferases rescues the growth defects of cells lacking the Barth syndrome-related gene TAZ1. *Journal of Molecular Medicine*, **2019**, 97, 269-279	5.5	2

116	YeastRGB: comparing the abundance and localization of yeast proteins across cells and libraries. *Nucleic Acids Research*, **2019**, 47, D1245-D1249	20.1	18
115	AMPK regulates ESCRT-dependent microautophagy of proteasomes concomitant with proteasome storage granule assembly during glucose starvation **2019**, 15, e1008387		
114	AMPK regulates ESCRT-dependent microautophagy of proteasomes concomitant with proteasome storage granule assembly during glucose starvation **2019**, 15, e1008387		
113	AMPK regulates ESCRT-dependent microautophagy of proteasomes concomitant with proteasome storage granule assembly during glucose starvation **2019**, 15, e1008387		
112	AMPK regulates ESCRT-dependent microautophagy of proteasomes concomitant with proteasome storage granule assembly during glucose starvation **2019**, 15, e1008387		
111	The GET pathway can increase the risk of mitochondrial outer membrane proteins to be mistargeted to the ER. *Journal of Cell Science*, **2018**, 131,	5.3	22
110	Database for High Throughput Screening Hits (dHITS): a simple tool to retrieve gene specific phenotypes from systematic screens done in yeast. *Yeast*, **2018**, 35, 477-483	3.4	3
109	Mind the Organelle Gap - Peroxisome Contact Sites in Disease. *Trends in Biochemical Sciences*, **2018**, 43, 199-210	10.3	25
108	Systematic mapping of contact sites reveals tethers and a function for the peroxisome-mitochondria contact. *Nature Communications*, **2018**, 9, 1761	17.4	142
107	Toolbox: Creating a systematic database of secretory pathway proteins uncovers new cargo for COPI. *Traffic*, **2018**, 19, 370-379	5.7	13
106	Natural genetic variation for expression of a SWEET transporter among wild species of Solanum lycopersicum (tomato) determines the hexose composition of ripening tomato fruit. *Plant Journal*, **2018**, 96, 343-357	6.9	35
105	Genome-wide SWAp-Tag yeast libraries for proteome exploration. *Nature Methods*, **2018**, 15, 617-622	21.6	71
104	Validation of a yeast malate dehydrogenase 2 (Mdh2) antibody tested for use in western blots. *F1000Research*, **2018**, 7, 130	3.6	5
103	Temporal profiling of redox-dependent heterogeneity in single cells. *ELife*, **2018**, 7,	8.9	18
102	Identification of seipin-linked factors that act as determinants of a lipid droplet subpopulation. *Journal of Cell Biology*, **2018**, 217, 269-282	7.3	75
101	Validation of a yeast malate dehydrogenase 2 (Mdh2) antibody tested for use in western blots. *F1000Research*, **2018**, 7, 130	3.6	4
100	Defining the Mammalian Peroxisomal Proteome. *Sub-Cellular Biochemistry*, **2018**, 89, 47-66	5.5	11
99	An ER surface retrieval pathway safeguards the import of mitochondrial membrane proteins in yeast. *Science*, **2018**, 361, 1118-1122	33.3	69

98	Stepping outside the comfort zone of membrane contact site research. *Nature Reviews Molecular Cell Biology*, **2018**, 19, 483-484	48.7	17
97	Ground control to major TOM: mitochondria-nucleus communication. *FEBS Journal*, **2017**, 284, 196-210	5.7	51
96	A pathway of targeted autophagy is induced by DNA damage in budding yeast. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E1158-E1167	11.5	37
95	Incredibly close-A newly identified peroxisome-ER contact site in humans. *Journal of Cell Biology*, **2017**, 216, 287-289	7.3	10
94	Mitochatting - If only we could be a fly on the cell wall. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 1469-1480	4.9	21
93	Peroxisome Mini-Libraries: Systematic Approaches to Study Peroxisomes Made Easy. *Methods in Molecular Biology*, **2017**, 1595, 305-318	1.4	4
92	Heterosis as a consequence of regulatory incompatibility. *BMC Biology*, **2017**, 15, 38	7.3	20
91	Saccharomyces cerevisiae cells lacking Pex3 contain membrane vesicles that harbor a subset of peroxisomal membrane proteins. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 1656-1667	4.9	19
90	A different kind of love - lipid droplet contact sites. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2017**, 1862, 1188-1196	5	122
89	Pex35 is a regulator of peroxisome abundance. *Journal of Cell Science*, **2017**, 130, 791-804	5.3	17
88	Maya Schuldiner. *Current Biology*, **2017**, 27, R982-R984	6.3	
87	Two novel effectors of trafficking and maturation of the yeast plasma membrane H -ATPase. *Traffic* , **2017**, 18, 672-682	5.7	6
86	Syp1 regulates the clathrin-mediated and clathrin-independent endocytosis of multiple cargo proteins through a novel sorting motif. *Molecular Biology of the Cell*, **2017**, 28, 2434-2448	3.5	7
85	Iron affects Ire1 clustering propensity and the amplitude of endoplasmic reticulum stress signaling. *Journal of Cell Science*, **2017**, 130, 3222-3233	5.3	23
84	Definition of a High-Confidence Mitochondrial Proteome at Quantitative Scale. *Cell Reports*, **2017**, 19, 2836-2852	10.6	212
83	Combining Deep Sequencing, Proteomics, Phosphoproteomics, and Functional Screens To Discover Novel Regulators of Sphingolipid Homeostasis. *Journal of Proteome Research*, **2017**, 16, 571-582	5.6	7
82	APOL1-Mediated Cell Injury Involves Disruption of Conserved Trafficking Processes. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 1117-1130	12.7	69
81	Targeting and translocation of proteins to the endoplasmic reticulum at a glance. *Journal of Cell Science*, **2017**, 130, 4079-4085	5.3	69

80	Cellular Consequences of Diminished Protein O-Mannosyltransferase Activity in Baker's Yeast. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	3
79	hSnd2 protein represents an alternative targeting factor to the endoplasmic reticulum in human cells. *FEBS Letters*, **2017**, 591, 3211-3224	3.8	37
78	An unrecognized function for COPII components in recruiting the viral replication protein BMV 1a to the perinuclear ER. *Journal of Cell Science*, **2016**, 129, 3597-3608	5.3	17
77	A Tether Is a Tether Is a Tether: Tethering at Membrane Contact Sites. *Developmental Cell*, **2016**, 39, 395-409	10.2	206
76	The Protease Ste24 Clears Clogged Translocons. *Cell*, **2016**, 164, 103-114	56.2	60
75	One library to make them all: streamlining the creation of yeast libraries via a SWAp-Tag strategy. *Nature Methods*, **2016**, 13, 371-378	21.6	96
74	No peroxisome is an island - Peroxisome contact sites. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2016**, 1863, 1061-9	4.9	96
73	Water-Transfer Slows Aging in Saccharomyces cerevisiae. *PLoS ONE*, **2016**, 11, e0148650	3.7	7
72	The SND proteins constitute an alternative targeting route to the endoplasmic reticulum. *Nature*, **2016**, 540, 134-138	50.4	120
71	Mice lacking WRB reveal differential biogenesis requirements of tail-anchored proteins in vivo. *Scientific Reports*, **2016**, 6, 39464	4.9	25
70	Characterization of proteome dynamics during growth in oleate reveals a new peroxisome-targeting receptor. *Journal of Cell Science*, **2016**, 129, 4067-4075	5.3	37
69	Making Sense of the Yeast Sphingolipid Pathway. *Journal of Molecular Biology*, **2016**, 428, 4765-4775	6.5	24
68	Lam6 Regulates the Extent of Contacts between Organelles. *Cell Reports*, **2015**, 12, 7-14	10.6	140
67	Genome-Wide Screens in Saccharomyces cerevisiae Highlight a Role for Cardiolipin in Biogenesis of Mitochondrial Outer Membrane Multispan Proteins. *Molecular and Cellular Biology*, **2015**, 35, 3200-11	4.8	25
66	Peroxisystem: harnessing systems cell biology to study peroxisomes. *Biology of the Cell*, **2015**, 107, 89-97	3.5	3
65	Starvation-Dependent Regulation of Golgi Quality Control Links the TOR Signaling and Vacuolar Protein Sorting Pathways. *Cell Reports*, **2015**, 12, 1876-86	10.6	31
64	Lipid Droplets Are Essential for Efficient Clearance of Cytosolic Inclusion Bodies. *Developmental Cell*, **2015**, 33, 603-10	10.2	65
63	The back and forth of cargo exit from the endoplasmic reticulum. *Current Biology*, **2014**, 24, R130-6	6.3	61

62	The yeast oligopeptide transporter Opt2 is localized to peroxisomes and affects glutathione redox homeostasis. *FEMS Yeast Research*, **2014**, 14, 1055-67	3.1	25
61	The PH gene determines fruit acidity and contributes to the evolution of sweet melons. *Nature Communications*, **2014**, 5, 4026	17.4	70
60	Peroxisomes are juxtaposed to strategic sites on mitochondria. *Molecular BioSystems*, **2014**, 10, 1742-8		74
59	The emergence of proteome-wide technologies: systematic analysis of proteins comes of age. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 453-64	48.7	67
58	A dynamic interface between vacuoles and mitochondria in yeast. *Developmental Cell*, **2014**, 30, 95-102	10.2	266
57	A cytosolic degradation pathway, prERAD, monitors pre-inserted secretory pathway proteins. *Journal of Cell Science*, **2014**, 127, 3017-23	5.3	30
56	Yeast phospholipid biosynthesis is linked to mRNA localization. *Journal of Cell Science*, **2014**, 127, 3373-84	5.3	9
55	Accurate, model-based tuning of synthetic gene expression using introns in S. cerevisiae. *PLoS Genetics*, **2014**, 10, e1004407	6	22
54	Primers-4-Yeast: a comprehensive web tool for planning primers for Saccharomyces cerevisiae. *Yeast*, **2014**, 31, 77-80	3.4	27
53	The yeast ER-intramembrane protease Ypf1 refines nutrient sensing by regulating transporter abundance. *Molecular Cell*, **2014**, 56, 630-40	17.6	40
52	A defect in the RNA-processing protein HNRPDL causes limb-girdle muscular dystrophy 1G (LGMD1G). *Human Molecular Genetics*, **2014**, 23, 4103-10	5.6	79
51	OM14 is a mitochondrial receptor for cytosolic ribosomes that supports co-translational import into mitochondria. *Nature Communications*, **2014**, 5, 5711	17.4	67
50	LoQAtE--Localization and Quantitation ATlas of the yeast proteomE. A new tool for multiparametric dissection of single-protein behavior in response to biological perturbations in yeast. *Nucleic Acids Research*, **2014**, 42, D726-30	20.1	50
49	Embracing the void--how much do we really know about targeting and translocation to the endoplasmic reticulum?. *Current Opinion in Cell Biology*, **2014**, 29, 8-17	9	30
48	The contribution of systematic approaches to characterizing the proteins and functions of the endoplasmic reticulum. *Cold Spring Harbor Perspectives in Biology*, **2013**, 5, a013284	10.2	11
47	All roads lead to Rome (but some may be harder to travel): SRP-independent translocation into the endoplasmic reticulum. *Critical Reviews in Biochemistry and Molecular Biology*, **2013**, 48, 273-88	8.7	27
46	A network of cytosolic factors targets SRP-independent proteins to the endoplasmic reticulum. *Cell* , **2013**, 152, 1134-45	56.2	132
45	The yeast p5 type ATPase, spf1, regulates manganese transport into the endoplasmic reticulum. *PLoS ONE*, **2013**, 8, e85519	3.7	48

44	The role of Djp1 in import of the mitochondrial protein Mim1 demonstrates specificity between a cochaperone and its substrate protein. *Molecular and Cellular Biology*, **2013**, 33, 4083-94	4.8	51
43	A novel single-cell screening platform reveals proteome plasticity during yeast stress responses. *Journal of Cell Biology*, **2013**, 200, 839-50	7.3	149
42	A novel single-cell screening platform reveals proteome plasticity during yeast stress responses. *Journal of Cell Biology*, **2013**, 201, 353-353	7.3	78
41	Characterization of an M28 metalloprotease family member residing in the yeast vacuole. *FEMS Yeast Research*, **2013**, 13, 471-84	3.1	8
40	Formation and dissociation of proteasome storage granules are regulated by cytosolic pH. *Journal of Cell Biology*, **2013**, 201, 663-71	7.3	52
39	Get3 is a holdase chaperone and moves to deposition sites for aggregated proteins when membrane targeting is blocked. *Journal of Cell Science*, **2013**, 126, 473-83	5.3	35
38	Confinement to organelle-associated inclusion structures mediates asymmetric inheritance of aggregated protein in budding yeast. *Cell Reports*, **2012**, 2, 738-47	10.6	148
37	A systematic approach to pair secretory cargo receptors with their cargo suggests a mechanism for cargo selection by Erv14. *PLoS Biology*, **2012**, 10, e1001329	9.7	70
36	Ergosterol content specifies targeting of tail-anchored proteins to mitochondrial outer membranes. *Molecular Biology of the Cell*, **2012**, 23, 3927-35	3.5	86
35	Interactions of subunit CCT3 in the yeast chaperonin CCT/TRiC with Q/N-rich proteins revealed by high-throughput microscopy analysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18833-8	11.5	27
34	Advanced methods for high-throughput microscopy screening of genetically modified yeast libraries. *Methods in Molecular Biology*, **2011**, 781, 127-59	1.4	64
33	Staying in touch: the molecular era of organelle contact sites. *Trends in Biochemical Sciences*, **2011**, 36, 616-23	10.3	170
32	Protein degradation: BAGging up the trash. *Current Biology*, **2011**, 21, R692-5	6.3	5
31	A mitochondrial-focused genetic interaction map reveals a scaffold-like complex required for inner membrane organization in mitochondria. *Journal of Cell Biology*, **2011**, 195, 323-40	7.3	335
30	Organelle structure and biogenesis. *Molecular Biology of the Cell*, **2011**, 22, 723	3.5	1
29	Getting the whole picture: combining throughput with content in microscopy. *Journal of Cell Science*, **2011**, 124, 3743-51	5.3	27
28	Using high content microscopy screening to uncover insertion pathways for transmembrane proteins. *FASEB Journal*, **2011**, 25, 194.3	0.9	
27	Modularity and directionality in genetic interaction maps. *Bioinformatics*, **2010**, 26, i228-36	7.2	23

26	Genetics. The DNA damage road map. *Science*, **2010**, 330, 1327-8	33.3	1
25	Rapid creation and quantitative monitoring of high coverage shRNA libraries. *Nature Methods*, **2009**, 6, 443-5	21.6	82
24	Weizmann Young PI forum: The power of peer support. *Molecular Cell*, **2009**, 36, 913-5	17.6	5
23	Comprehensive characterization of genes required for protein folding in the endoplasmic reticulum. *Science*, **2009**, 323, 1693-7	33.3	517
22	An ER-mitochondria tethering complex revealed by a synthetic biology screen. *Science*, **2009**, 325, 477-81	33.3	935
21	Explorations in topology-delving underneath the surface of genetic interaction maps. *Molecular BioSystems*, **2009**, 5, 1473-81		10
20	A comprehensive strategy enabling high-resolution functional analysis of the yeast genome. *Nature Methods*, **2008**, 5, 711-8	21.6	376
19	The GET complex mediates insertion of tail-anchored proteins into the ER membrane. *Cell*, **2008**, 134, 634-45	56.2	351
18	Functional dissection of protein complexes involved in yeast chromosome biology using a genetic interaction map. *Nature*, **2007**, 446, 806-10	50.4	731
17	Identification of yeast proteins necessary for cell-surface function of a potassium channel. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 18079-84	11.5	44
16	Backup without redundancy: genetic interactions reveal the cost of duplicate gene loss. *Molecular Systems Biology*, **2007**, 3, 86	12.2	115
15	Genetic Interaction mapping of essential genes in Saccharomyces cerevisiae. *FASEB Journal*, **2007**, 21, A1004	0.9	
14	A strategy for extracting and analyzing large-scale quantitative epistatic interaction data. *Genome Biology*, **2006**, 7, R63	18.3	245
13	Exploration of the function and organization of the yeast early secretory pathway through an epistatic miniarray profile. *Cell*, **2005**, 123, 507-19	56.2	706
12	Cotranscriptional set2 methylation of histone H3 lysine 36 recruits a repressive Rpd3 complex. *Cell*, **2005**, 123, 593-605	56.2	621
11	Modeling for Lesch-Nyhan disease by gene targeting in human embryonic stem cells. *Stem Cells*, **2004**, 22, 635-41	5.8	155
10	Selective ablation of human embryonic stem cells expressing a "suicide" gene. *Stem Cells*, **2003**, 21, 257-65	5.8	228
9	Factors controlling human embryonic stem cell differentiation. *Methods in Enzymology*, **2003**, 365, 446-61	1.7	18

8	Characterization of the expression of MHC proteins in human embryonic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 9864-9	11.5	541
7	Induced neuronal differentiation of human embryonic stem cells. *Brain Research*, **2001**, 913, 201-5	3.7	375
6	Establishment of human embryonic stem cell-transfected clones carrying a marker for undifferentiated cells. *Current Biology*, **2001**, 11, 514-8	6.3	323
5	Differentiation of Human Embryonic Stem Cells into Embryoid Bodies Comprising the Three Embryonic Germ Layers. *Molecular Medicine*, **2000**, 6, 88-95	6.2	1206
4	Systematic analysis of membrane contact sites in Saccharomyces cerevisiae uncovers modulators of cellular lipid distribution		1
3	The mitochondrial surface receptor Tom70 protects the cytosol against mitoprotein-induced stress		3
2	Systematic assessment of GFP tag position on protein localization and growth fitness in yeast		1
1	A molecular switch for Cdc48 activity and localization during oxidative stress and aging		1