Jackob Moskovitz

List of Publications by Year
in descending order

75 papers	4,256 citations	136885 32 h-index	110317 64 g-index
77 all docs	77 docs citations	77 times ranked	4233 citing authors

#	Article	IF	Citations
1	Protective Effects against the Development of Alzheimerâ€™s Disease in an Animal Model through Active Immunization with Methionine-Sulfoxide Rich Protein Antigen. Antioxidants, 2022, 11, 775.	2.2	0
2	Recent advances in iron homeostasis and regulation - a focus on epigenetic regulation and stroke. Free Radical Research, 2021, 55, 375-383.	1.5	17
3	Methionine sulfoxide and the methionine sulfoxide reductase system as modulators of signal transduction pathways: a review. Amino Acids, 2021, 53, 1011-1020.	1.2	18
4	The Antioxidant Enzyme Methionine Sulfoxide Reductase A (MsrA) Interacts with Jab1/CSN5 and Regulates Its Function. Antioxidants, 2020, 9, 452.	2.2	6
5	Genetic regulation of longevity and age-associated diseases through the methionine sulfoxide reductase system. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1756-1762.	1.8	10
6	Increased Levels of Protein-methionine Sulfoxide in Plasma Correlate with a Shift from a Mild Cognitive Impairment to an Alzheimer's Disease Stage. Innovations in Clinical Neuroscience, 2019, 16, 29-31.	0.1	4
7	The Functions of the Mammalian Methionine Sulfoxide Reductase System and Related Diseases. Antioxidants, 2018, 7, 122.	2.2	41
8	Methionine Sulfoxide Reductase A Knockout Mice Show Progressive Hearing Loss and Sensitivity to Acoustic Trauma. Audiology and Neuro-Otology, 2018, 23, 20-31.	0.6	8
9	Methionine sulfoxide reductase A (MsrA) mediates the ubiquitination of 14-3-3 protein isotypes in brain. Free Radical Biology and Medicine, 2018, 129, 600-607.	1.3	10
10	Manic symptom severity correlates with COMT activity in the striatum: A post-mortem study. World Journal of Biological Psychiatry, 2017, 18, 247-254.	1.3	4
11	Methionine Sulfoxide Reductase A (MsrA) and Its Function in Ubiquitin-Like Protein Modification in <i>Archaea</i>. MBio, 2017, 8, .	1.8	20
12	A Ratiometric Fluorescent Probe for Imaging of the Activity of Methionine Sulfoxide Reductaseâ€…A in Cells. Angewandte Chemie, 2016, 128, 12919-12922.	1.6	13
13	A Ratiometric Fluorescent Probe for Imaging of the Activity of Methionine Sulfoxide Reductaseâ€…A in Cells. Angewandte Chemie - International Edition, 2016, 55, 12727-12730.	7.2	38
14	Methionine sulfoxide reductase A affects Î²-amyloid solubility and mitochondrial function in a mouse model of Alzheimer's disease. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E388-E393.	1.8	26
15	The enzymatic activities of brain catecholâ€<scp><i>O</i></scp>â€methyltransferase (<scp>COMT</scp>) and methionine sulphoxide reductase are correlated in a <scp>COMT <i>V</i></scp><i>al</i><scp><i>M</i></scp><i>et</i> alleleâ€dependent fashion. Neuropathology and Applied Neurobiology, 2015, 41, 941-951.	1.8	9
16	Different Roles of N-Terminal and C-Terminal Domains in Calmodulin for Activation of Bacillus anthracis Edema Factor. Toxins, 2015, 7, 2598-2614.	1.5	3
17	Significance of Four Methionine Sulfoxide Reductases in Staphylococcus aureus. PLoS ONE, 2015, 10, e0117594.	1.1	50
18	Membranous adenylyl cyclase 1 activation is regulated by oxidation of N- and C-terminal methionine residues in calmodulin. Biochemical Pharmacology, 2015, 93, 196-209.	2.0	9

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19	Hyperglycemia and redox status regulate RUNX2 DNA-binding and an angiogenic phenotype in endothelial cells. Microvascular Research, 2015, 97, 55-64.	1.1	19
20	Methionine sulfoxide reductase regulates brain catechol-O-methyl transferase activity. International Journal of Neuropsychopharmacology, 2014, 17, 1707-1713.	1.0	10
21	When the Love Hormone Leads to Violence. Social Psychological and Personality Science, 2014, 5, 691-697.	2.4	82
22	Induction of methionine sulfoxide reductase activity by pergolide, pergolide sulfoxide, and S-adenosyl-methionine in neuronal cells. Neuroscience Letters, 2013, 533, 86-89.	1.0	13
23	Antibodies against methionine sulfoxide of proteins. Free Radical Biology and Medicine, 2013, 56, 234-235.	1.3	3
24	Detection and Localization of Methionine Sulfoxide Residues of Specific Proteins in Brain Tissue. Protein and Peptide Letters, 2013, 21, 52-55.	0.4	13
25	Variation in MSRA Modifies Risk of Neonatal Intestinal Obstruction in Cystic Fibrosis. PLoS Genetics, 2012, 8, e1002580.	1.5	18
26	Erratum to â€œDecreased Phosphorylation and Increased Methionine Oxidation of -Synuclein in the Methionine Sulfoxide Reductase A Knockout Mouseâ€ Journal of Amino Acids, 2012, 2012, 1-1.	5.8	8
27	Plasma Methionine Sulfoxide in Persons with Familial Alzheimerâ€™s Disease Mutations. Dementia and Geriatric Cognitive Disorders, 2012, 33, 219-225.	0.7	21
28	Methionine sulfoxide reductases and methionine sulfoxide in the subterranean mole rat (Spalax): Characterization of expression under various oxygen conditions. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 161, 406-414.	0.8	12
29	Induction of Methionine-Sulfoxide Reductases Protects Neurons from Amyloid Î²-Protein Insults in Vitro and in Vivo. Biochemistry, 2011, 50, 10687-10697.	1.2	45
30	Decreased Phosphorylation and Increased Methionine Oxidation of Î±-Synuclein in the Methionine Sulfoxide Reductase A Knockout Mouse. Journal of Amino Acids, 2011, 2011, 1-6.	5.8	17
31	Dopamine D₂ receptor function is compromised in the brain of the methionine sulfoxide reductase A knockout mouse. Journal of Neurochemistry, 2010, 114, 51-61.	2.1	20
32	Oxidation of Helix-3 Methionines Precedes the Formation of PK Resistant PrPSc. PLoS Pathogens, 2010, 6, e1000977.	2.1	51
33	Caloric restriction alleviates abnormal locomotor activity and dopamine levels in the brain of the methionine sulfoxide reductase A knockout mouse. Neuroscience Letters, 2010, 468, 38-41.	1.0	16
34	Protein Carbonyl and the Methionine Sulfoxide Reductase System. Antioxidants and Redox Signaling, 2010, 12, 405-415.	2.5	53
35	Selenium and the Methionine Sulfoxide Reductase System. Molecules, 2009, 14, 2337-2344.	1.7	14
36	Methionine-centered redox cycle in organs of the aero-digestive tract of young and old rats. Biogerontology, 2009, 10, 43-52.	2.0	17

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37	Clearance and Phosphorylation of Alpha-Synuclein Are Inhibited in Methionine Sulfoxide Reductase A Null Yeast Cells. Journal of Molecular Neuroscience, 2009, 39, 323-332.	1.1	34
38	Detection of oxidized methionine in selected proteins, cellular extracts and blood serums by novel anti-methionine sulfoxide antibodies. Archives of Biochemistry and Biophysics, 2009, 485, 35-40.	1.4	52
39	Characterization of the Methionine Sulfoxide Reductases of Schistosoma mansoni. Journal of Parasitology, 2009, 95, 1421-1428.	0.3	27
40	The Role of Methionine Oxidation/Reduction in the Regulation of Immune Response. Current Signal Transduction Therapy, 2009, 4, 46-50.	0.3	23
41	MsrA knockout mouse exhibits abnormal behavior and brain dopamine levels. Free Radical Biology and Medicine, 2008, 45, 193-200.	1.3	51
42	Genomic and Proteomic Analyses of the Methionine Sulfoxide Reductase A Knockout Mouse. Current Proteomics, 2008, 5, 96-103.	0.1	5
43	Genes contributing to prion pathogenesis. Journal of General Virology, 2008, 89, 1777-1788.	1.3	116
44	Prolonged selenium deficient diet inMsrAknockout mice causes enhanced oxidative modification to proteins and affects the levels of antioxidant enzymes in a tissue-specific manner. Free Radical Research, 2007, 41, 162-171.	1.5	35
45	Ablation of the mammalian methionine sulfoxide reductase A affects the expression level of cysteine deoxygenase. Biochemical and Biophysical Research Communications, 2007, 352, 556-559.	1.0	13
46	Substrates of the Methionine Sulfoxide Reductase System and Their Physiological Relevance. Current Topics in Developmental Biology, 2007, 80, 93-133.	1.0	103
47	Specific activity of methionine sulfoxide reductase in CD-1 mice is significantly affected by dietary selenium but not zinc. Biological Trace Element Research, 2007, 115, 265-276.	1.9	8
48	Elevated levels of brain-pathologies associated with neurodegenerative diseases in the methionine sulfoxide reductase A knockout mouse. Experimental Brain Research, 2007, 180, 765-774.	0.7	73
49	Specific activity of methionine sulfoxide reductase in CD-1 mice is significantly affected by dietary selenium but not zinc. Biological Trace Element Research, 2007, 115, 265-276.	1.9	0
50	IÎºB is a sensitive target for oxidation by cell-permeable chloramines: inhibition of NF-ÎºB activity by glycine chloramine through methionine oxidation. Biochemical Journal, 2006, 396, 71-78.	1.7	78
51	The yeast cytosolic thioredoxins are involved in the regulation of methionine sulfoxide reductase A. Free Radical Biology and Medicine, 2006, 40, 1391-1396.	1.3	11
52	Methionine sulfoxide reductases: ubiquitous enzymes involved in antioxidant defense, protein regulation, and prevention of aging-associated diseases. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1703, 213-219.	1.1	272
53	Roles of Methionine Suldfoxide Reductases in Antioxidant Defense, Protein Regulation and Survival. Current Pharmaceutical Design, 2005, 11, 1451-1457.	0.9	85
54	Oxidation of Methionine Residues of Proteins: Biological Consequences. Antioxidants and Redox Signaling, 2003, 5, 577-582.	2.5	304

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55	Multiple methionine sulfoxide reductase genes in Staphylococcus aureus: expression of activity and roles in tolerance of oxidative stress. Microbiology (United Kingdom), 2003, 149, 2739-2747.	0.7	78
56	A homologue of elongation factor 1Î³ regulates methionine sulfoxide reductase A gene expression inSaccharomyces cerevisiae. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8199-8204.	3.3	29
57	Selenium-deficient diet enhances protein oxidation and affects methionine sulfoxide reductase (MsrB) protein level in certain mouse tissues. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7486-7490.	3.3	104
58	Oxidative Modifications of Kynostatin-272, a Potent Human Immunodeficiency Virus Type 1 Protease Inhibitor: Potential Mechanism for Altered Activity in Monocytes/Macrophages. Antimicrobial Agents and Chemotherapy, 2002, 46, 402-408.	1.4	6
59	[24] Reversible oxidation of HIV-2 protease. Methods in Enzymology, 2002, 348, 249-259.	0.4	14
60	Free Radicals and Disease. Archives of Biochemistry and Biophysics, 2002, 397, 354-359.	1.4	312
61	Purification and Characterization of Methionine Sulfoxide Reductases from Mouse and Staphylococcus aureus and Their Substrate Stereospecificity. Biochemical and Biophysical Research Communications, 2002, 290, 62-65.	1.0	145
62	Mouse methionine sulfoxide reductase B: effect of selenocysteine incorporation on its activity and expression of the seleno-containing enzyme in bacterial and mammalian cells. Biochemical and Biophysical Research Communications, 2002, 297, 956-961.	1.0	65
63	Cyclic oxidation and reduction of protein methionine residues is an important antioxidant mechanism. Molecular and Cellular Biochemistry, 2002, 234/235, 3-9.	1.4	196
64	Peptide methionine sulfoxide reductase (MsrA) is not a major virulence determinant for the oral pathogen Actinobacillus actinomycetemcomitans a aThe GenBank accession number for the msrA sequence reported in this paper is AY026361.. Microbiology (United Kingdom), 2002, 148, 3695-3703.	0.7	17
65	Cyclic oxidation and reduction of protein methionine residues is an important antioxidant mechanism. Molecular and Cellular Biochemistry, 2002, 234-235, 3-9.	1.4	72
66	Suppression of the TNFalpha-induced increase in IL-1alpha expression by hypochlorite in human corneal epithelial cells. Investigative Ophthalmology and Visual Science, 2002, 43, 3190-5.	3.3	22
67	Molecular characterization of a chromosomal locus in Staphylococcus aureus that contributes to oxidative defence and is highly induced by the cell-wall-active antibiotic oxacillin. Microbiology (United Kingdom), 2001, 147, 3037-3045.	0.7	50
68	HIV-2 protease is inactivated after oxidation at the dimer interface and activity can be partly restored with methionine sulphoxide reductase. Biochemical Journal, 2000, 346, 305.	1.7	23
69	HIV-2 protease is inactivated after oxidation at the dimer interface and activity can be partly restored with methionine sulphoxide reductase. Biochemical Journal, 2000, 346, 305-311.	1.7	58
70	Identification and Characterization of a Putative Active Site for Peptide Methionine Sulfoxide Reductase (MsrA) and Its Substrate Stereospecificity. Journal of Biological Chemistry, 2000, 275, 14167-14172.	1.6	176
71	Oxidation of Methionine in Proteins: Roles in Antioxidant Defense and Cellular Regulation. IUBMB Life, 2000, 50, 301-307.	1.5	319
72	Oxidation of Methionine in Proteins: Roles in Antioxidant Defense and Cellular Regulation. IUBMB Life, 2000, 50, 301-307.	1.5	178

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73	Methionine residues may protect proteins from critical oxidative damage. Mechanisms of Ageing and Development, 1999, 107, 323-332.	2.2	320
74	Methionine sulfoxide reductase in antioxidant defense. Methods in Enzymology, 1999, 300, 239-244.	0.4	54
75	[45] Escherichia coli peptide methionine sulfoxide reductase: Cloning, high expression, and purification. Methods in Enzymology, 1995, 251, 462-470.	0.4	8