

Mateusz Krzysztof Maciejczyk

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,744
citations

136740

32
h-index

223531

46
g-index

101
all docs

101
docs citations

101
times ranked

2648
citing authors

#	ARTICLE	IF	CITATIONS
1	Insulin Resistance and Oxidative Stress in the Brain: What's New?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 874.	1.8	148
2	Sources of free radicals and oxidative stress in the oral cavity. <i>Archives of Oral Biology</i> , 2018, 92, 8-17.	0.8	120
3	Oxidative stress, mitochondrial abnormalities and antioxidant defense in Ataxia-telangiectasia, Bloom syndrome and Nijmegen breakage syndrome. <i>Redox Biology</i> , 2017, 11, 375-383.	3.9	84
4	Antioxidant Barrier, Redox Status, and Oxidative Damage to Biomolecules in Patients with Colorectal Cancer. Can Malondialdehyde and Catalase Be Markers of Colorectal Cancer Advancement?. <i>Biomolecules</i> , 2019, 9, 637.	1.8	77
5	Oxidative stress biomarkers in the serum and plasma of patients with non-alcoholic fatty liver disease (NAFLD). Can plasma AGE be a marker of NAFLD? Oxidative stress biomarkers in NAFLD patients. <i>Free Radical Research</i> , 2019, 53, 841-850.	1.5	73
6	Salivary Antioxidant Barrier, Redox Status, and Oxidative Damage to Proteins and Lipids in Healthy Children, Adults, and the Elderly. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	1.9	72
7	Antioxidant Defence, Oxidative Stress and Oxidative Damage in Saliva, Plasma and Erythrocytes of Dementia Patients. Can Salivary AGE be a Marker of Dementia?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2205.	1.8	71
8	Redox Balance, Antioxidant Defense, and Oxidative Damage in the Hypothalamus and Cerebral Cortex of Rats with High Fat Diet-Induced Insulin Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	69
9	Salivary Biomarkers of Oxidative Stress in Children with Chronic Kidney Disease. <i>Journal of Clinical Medicine</i> , 2018, 7, 209.	1.0	63
10	Salivary Redox Biomarkers in Different Stages of Dementia Severity. <i>Journal of Clinical Medicine</i> , 2019, 8, 840.	1.0	57
11	Oxidative Modification in the Salivary Glands of High Fat-Diet Induced Insulin Resistant Rats. <i>Frontiers in Physiology</i> , 2017, 8, 20.	1.3	56
12	Pro-Oxidant Enzymes, Redox Balance and Oxidative Damage to Proteins, Lipids and DNA in Colorectal Cancer Tissue. Is Oxidative Stress Dependent on Tumour Budding and Inflammatory Infiltration?. <i>Cancers</i> , 2020, 12, 1636.	1.7	51
13	Salivary Antioxidants and Oxidative Stress in Psoriatic Patients: Can Salivary Total Oxidant Status and Oxidative Status Index Be a Plaque Psoriasis Biomarker?. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	1.9	49
14	The Significance of Matrix Metalloproteinases in Oral Diseases. <i>Advances in Clinical and Experimental Medicine</i> , 2016, 25, 383-390.	0.6	49
15	Oxidative Damage to the Salivary Glands of Rats with Streptozotocin-Induced Diabetes-Temporal Study: Oxidative Stress and Diabetic Salivary Glands. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-13.	1.0	48
16	Impact of morbid obesity and bariatric surgery on antioxidant/oxidant balance of the unstimulated and stimulated human saliva. <i>Journal of Oral Pathology and Medicine</i> , 2016, 45, 455-464.	1.4	48
17	Total Oxidant and Antioxidant Capacity of Gingival Crevicular Fluid and Saliva in Patients with Periodontitis: Review and Clinical Study. <i>Antioxidants</i> , 2020, 9, 450.	2.2	46
18	Effect of N-Acetylcysteine on Antioxidant Defense, Oxidative Modification, and Salivary Gland Function in a Rat Model of Insulin Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	1.9	45

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19	Eight-Week Consumption of High-Sucrose Diet Has a Pro-Oxidant Effect and Alters the Function of the Salivary Glands of Rats. <i>Nutrients</i> , 2018, 10, 1530.	1.7	42
20	Chronic high-protein diet induces oxidative stress and alters the salivary gland function in rats. <i>Archives of Oral Biology</i> , 2017, 84, 6-12.	0.8	40
21	Oxidative Modification of Biomolecules in the Nonstimulated and Stimulated Saliva of Patients with Morbid Obesity Treated with Bariatric Surgery. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	40
22	Salivary Oxidative Stress Increases with the Progression of Chronic Heart Failure. <i>Journal of Clinical Medicine</i> , 2020, 9, 769.	1.0	40
23	A Case-Control Study of Salivary Redox Homeostasis in Hypertensive Children. Can Salivary Uric Acid be a Marker of Hypertension?. <i>Journal of Clinical Medicine</i> , 2020, 9, 837.	1.0	40
24	The Redox Balance in Erythrocytes, Plasma, and Periosteum of Patients with Titanium Fixation of the Jaw. <i>Frontiers in Physiology</i> , 2017, 8, 386.	1.3	37
25	The Impact of High-Fat Diet on Mitochondrial Function, Free Radical Production, and Nitrosative Stress in the Salivary Glands of Wistar Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	37
26	High-Fat Diet Affects Ceramide Content, Disturbs Mitochondrial Redox Balance, and Induces Apoptosis in the Submandibular Glands of Mice. <i>Biomolecules</i> , 2019, 9, 877.	1.8	37
27	Enhanced Inflammation and Nitrosative Stress in the Saliva and Plasma of Patients with Plaque Psoriasis. <i>Journal of Clinical Medicine</i> , 2020, 9, 745.	1.0	37
28	Salivary Redox Biomarkers in Selected Neurodegenerative Diseases. <i>Journal of Clinical Medicine</i> , 2020, 9, 497.	1.0	37
29	Glutathione Metabolism, Mitochondria Activity, and Nitrosative Stress in Patients Treated for Mandible Fractures. <i>Journal of Clinical Medicine</i> , 2019, 8, 127.	1.0	36
30	Free Radical Production, Inflammation and Apoptosis in Patients Treated With Titanium Mandibular Fixations – An Observational Study. <i>Frontiers in Immunology</i> , 2019, 10, 2662.	2.2	36
31	Salivary lipids: A review. <i>Advances in Clinical and Experimental Medicine</i> , 2017, 26, 1021-1029.	0.6	35
32	Antioxidant profile, carbonyl and lipid oxidation markers in the parotid and submandibular glands of rats in different periods of streptozotocin induced diabetes. <i>Archives of Oral Biology</i> , 2015, 60, 1375-1386.	0.8	34
33	Exposure to Ti4Al4V Titanium Alloy Leads to Redox Abnormalities, Oxidative Stress, and Oxidative Damage in Patients Treated for Mandible Fractures. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	1.9	34
34	Salivary Gland Function, Antioxidant Defence and Oxidative Damage in the Saliva of Patients with Breast Cancer: Does the BRCA1 Mutation Disturb the Salivary Redox Profile?. <i>Cancers</i> , 2019, 11, 1501.	1.7	34
35	Salivary FRAP as A Marker of Chronic Kidney Disease Progression in Children. <i>Antioxidants</i> , 2019, 8, 409.	2.2	34
36	Dysfunction of Salivary Glands, Disturbances in Salivary Antioxidants and Increased Oxidative Damage in Saliva of Overweight and Obese Adolescents. <i>Journal of Clinical Medicine</i> , 2020, 9, 548.	1.0	34

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37	High Protein Diet Induces Oxidative Stress in Rat Cerebral Cortex and Hypothalamus. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1547.	1.8	32
38	Salivary Gland Dysfunction, Protein Glycooxidation and Nitrosative Stress in Children with Chronic Kidney Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 1285.	1.0	28
39	Lysosomal Exoglycosidase Profile and Secretory Function in the Salivary Glands of Rats with Streptozotocin-Induced Diabetes. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-13.	1.0	27
40	Diagnostic Value of Salivary Markers in Neuropsychiatric Disorders. <i>Disease Markers</i> , 2019, 2019, 1-6.	0.6	27
41	A Longitudinal Study of the Antioxidant Barrier and Oxidative Stress in Morbidly Obese Patients after Bariatric Surgery. Does the Metabolic Syndrome Affect the Redox Homeostasis of Obese People?. <i>Journal of Clinical Medicine</i> , 2020, 9, 976.	1.0	27
42	Insulin Resistance and Obesity Affect Lipid Profile in the Salivary Glands. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-9.	1.0	26
43	Antioxidant Defense, Oxidative Modification, and Salivary Gland Function in an Early Phase of Cerulein Pancreatitis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	26
44	Comprehensive Evaluation of the Oral Health Status, Salivary Gland Function, and Oxidative Stress in the Saliva of Patients with Subacute Phase of Stroke: A Case-Control Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 2252.	1.0	26
45	Multilayer Films Based on Chitosan/Pectin Polyelectrolyte Complexes as Novel Platforms for Buccal Administration of Clotrimazole. <i>Pharmaceutics</i> , 2021, 13, 1588.	2.0	24
46	The Effect of Selected Dental Materials Used in Conservative Dentistry, Endodontics, Surgery, and Orthodontics as Well as during the Periodontal Treatment on the Redox Balance in the Oral Cavity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9684.	1.8	23
47	Nitrosative Stress Biomarkers in the Non-Stimulated and Stimulated Saliva, as well as Gingival Crevicular Fluid of Patients with Periodontitis: Review and Clinical Study. <i>Antioxidants</i> , 2020, 9, 259.	2.2	23
48	Salivary gland dysfunction and salivary redox imbalance in patients with Alzheimer's disease. <i>Scientific Reports</i> , 2021, 11, 23904.	1.6	23
49	Whey Protein Concentrate WPC-80 Improves Antioxidant Defense Systems in the Salivary Glands of 14-Month Wistar Rats. <i>Nutrients</i> , 2018, 10, 782.	1.7	22
50	The Impact of Hypertension and Metabolic Syndrome on Nitrosative Stress and Glutathione Metabolism in Patients with Morbid Obesity. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	22
51	Antioxidant Defense, Redox Homeostasis, and Oxidative Damage in Children With Ataxia Telangiectasia and Nijmegen Breakage Syndrome. <i>Frontiers in Immunology</i> , 2019, 10, 2322.	2.2	21
52	A New Insight into Meloxicam: Assessment of Antioxidant and Anti-Glycating Activity in In Vitro Studies. <i>Pharmaceutics</i> , 2020, 13, 240.	1.7	21
53	High-Sugar Diet Disrupts Hypothalamic but Not Cerebral Cortex Redox Homeostasis. <i>Nutrients</i> , 2020, 12, 3181.	1.7	21
54	The Effect of N-Acetylcysteine on Respiratory Enzymes, ADP/ATP Ratio, Glutathione Metabolism, and Nitrosative Stress in the Salivary Gland Mitochondria of Insulin Resistant Rats. <i>Nutrients</i> , 2020, 12, 458.	1.7	21

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55	Salivary Biomarkers of Oxidative Stress and Inflammation in Stroke Patients: From Basic Research to Clinical Practice. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-22.	1.9	21
56	Bariatric Surgery Normalizes Protein Glycooxidation and Nitrosative Stress in Morbidly Obese Patients. <i>Antioxidants</i> , 2020, 9, 1087.	2.2	20
57	Enhanced Salivary and General Oxidative Stress in Hashimoto's Thyroiditis Women in Euthyrosis. <i>Journal of Clinical Medicine</i> , 2020, 9, 2102.	1.0	19
58	Impact of Weight Loss on the Total Antioxidant/Oxidant Potential in Patients with Morbid Obesity—A Longitudinal Study. <i>Antioxidants</i> , 2020, 9, 376.	2.2	19
59	Effects of age and gender on the redox homeostasis of morbidly obese people. <i>Free Radical Biology and Medicine</i> , 2021, 175, 108-120.	1.3	17
60	Comparison of Selected Parameters of Redox Homeostasis in Patients with Ataxia-Telangiectasia and Nijmegen Breakage Syndrome. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	16
61	Whey Protein Concentrate WPC-80 Intensifies Glycoconjugate Catabolism and Induces Oxidative Stress in the Liver of Rats. <i>Nutrients</i> , 2018, 10, 1178.	1.7	15
62	The Relationship between Suicide and Oxidative Stress in a Group of Psychiatric Inpatients. <i>Journal of Clinical Medicine</i> , 2020, 9, 3462.	1.0	15
63	Antioxidant Barrier and Oxidative Damage to Proteins, Lipids, and DNA/RNA in Adrenal Tumor Patients. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-19.	1.9	14
64	Association of Tumour Microenvironment with Protein Glycooxidation, DNA Damage, and Nitrosative Stress in Colorectal Cancer. <i>Cancer Management and Research</i> , 2021, Volume 13, 6329-6348.	0.9	14
65	Phloroglucinol Strengthens the Antioxidant Barrier and Reduces Oxidative/Nitrosative Stress in Nonalcoholic Fatty Liver Disease (NAFLD). <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	14
66	Salivary Gland Dysfunction in Stroke Patients Is Associated with Increased Protein Glycooxidation and Nitrosative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	13
67	Pleiotropic Properties of Valsartan: Do They Result from the Antiglycooxidant Activity? Literature Review and In Vitro Study. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-20.	1.9	12
68	Oxidation, Glycation, and Carbamylation of Salivary Biomolecules in Healthy Children, Adults, and the Elderly: Can Saliva Be Used in the Assessment of Aging?. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2051-2073.	1.6	12
69	Blood Profile of Cytokines, Chemokines, Growth Factors, and Redox Biomarkers in Response to Different Protocols of Treadmill Running in Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8071.	1.8	11
70	Pro/Antioxidant State as a Potential Biomarker of Schizophrenia. <i>Journal of Clinical Medicine</i> , 2021, 10, 4156.	1.0	11
71	Salivary Xanthine Oxidase as a Potential Biomarker in Stroke Diagnostics. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	11
72	Salivary Gland Dysfunction in Patients with Chronic Heart Failure Is Aggravated by Nitrosative Stress, as Well as Oxidation and Glycation of Proteins. <i>Biomolecules</i> , 2021, 11, 119.	1.8	10

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73	Is an Oral Health Status a Predictor of Functional Improvement in Ischemic Stroke Patients Undergoing Comprehensive Rehabilitation Treatment?. <i>Brain Sciences</i> , 2021, 11, 338.	1.1	10
74	Salivary cytokine profile in patients with ischemic stroke. <i>Scientific Reports</i> , 2021, 11, 17185.	1.6	10
75	Phloroglucinol prevents albumin glycation as well as diminishes ROS production, glycooxidative damage, nitrosative stress and inflammation in hepatocytes treated with high glucose. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111958.	2.5	10
76	Oral consequences of obesity and metabolic syndrome in children and adolescents. <i>Dental and Medical Problems</i> , 2019, 56, 97-104.	0.7	10
77	Ethanol- and Cigarette Smoke-Related Alternations in Oral Redox Homeostasis. <i>Frontiers in Physiology</i> , 2021, 12, 793028.	1.3	10
78	Î±-Lipoic Acid Strengthens the Antioxidant Barrier and Reduces Oxidative, Nitrosative, and Glycative Damage, as well as Inhibits Inflammation and Apoptosis in the Hypothalamus but Not in the Cerebral Cortex of Insulin-Resistant Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-21.	1.9	9
79	Serum Amyloid Biomarkers, Tau Protein and YKL-40 Utility in Detection, Differential Diagnosing, and Monitoring of Dementia. <i>Frontiers in Psychiatry</i> , 2021, 12, 725511.	1.3	8
80	Oxidative Stress Biomarkers as a Predictor of Stage Illness and Clinical Course of Schizophrenia. <i>Frontiers in Psychiatry</i> , 2021, 12, 728986.	1.3	8
81	NAC Supplementation of Hyperglycemic Rats Prevents the Development of Insulin Resistance and Improves Antioxidant Status but Only Alleviates General and Salivary Gland Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	1.9	7
82	Systemic Redox Imbalance in Patients with Chronic Granulomatous Disease. <i>Journal of Clinical Medicine</i> , 2020, 9, 1397.	1.0	7
83	Cytokine/Chemokine/Growth Factor Profiles Contribute to Understanding the Pathogenesis of the Salivary Gland Dysfunction in Euthyroid Hashimoto's Thyroiditis Patients. <i>Mediators of Inflammation</i> , 2021, 2021, 1-13.	1.4	7
84	Effect of Normobaric Hypoxia on Alterations in Redox Homeostasis, Nitrosative Stress, Inflammation, and Lysosomal Function following Acute Physical Exercise. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-18.	1.9	7
85	High-fat, high-protein, and high-carbohydrate diets affect sphingolipid profile in pancreatic steatosis in Wistar rats. <i>Nutrition</i> , 2019, 60, 197-205.	1.1	6
86	Salivary Redox Biomarkers in Insulin Resistance: Preclinical Studies in an Animal Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-18.	1.9	6
87	Antioxidant and Antiglycation Properties of Seventeen Fruit Teas Obtained from One Manufacturer. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5195.	1.3	5
88	N-acetylcysteine supplementation did not reverse mitochondrial oxidative stress, apoptosis, and inflammation in the salivary glands of hyperglycemic rats. <i>Nutrition and Diabetes</i> , 2021, 11, 35.	1.5	5
89	Cross-Talk Between Nitrosative Stress, Inflammation and Hypoxia-Inducible Factor in Patients with Adrenal Masses. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 6317-6330.	1.6	5
90	Î±-Lipoic Acid Reduces Ceramide Synthesis and Neuroinflammation in the Hypothalamus of Insulin-Resistant Rats, While in the Cerebral Cortex Diminishes the Î²-Amyloid Accumulation. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2295-2312.	1.6	5

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91	Salivary Carbohydrate-Deficient Transferrin in Alcohol- and Nicotine-Dependent Males. <i>Journal of Clinical Medicine</i> , 2020, 9, 4054.	1.0	3
92	Enzymatic antioxidants activity in gingival crevicular fluid and saliva in advanced periodontitis. <i>Oral Diseases</i> , 2023, 29, 3559-3570.	1.5	3
93	Effect of Statin Therapy on the Plasma Concentrations of Retinol, Alpha-Tocopherol and Coenzyme Q10 in Children with Familial Hypercholesterolemia. <i>Cardiovascular Drugs and Therapy</i> , 2020, , 1.	1.3	2
94	Salivary Biomarkers in Kidney Diseases. , 2020, , 193-219.		2
95	The Effect of Î±-Lipoic Acid on Oxidative Stress in Adipose Tissue of Rats with Obesity-Induced Insulin Resistance. <i>Cellular Physiology and Biochemistry</i> , 2022, 56, 239-253.	1.1	2
96	Diverse impact of N-acetylcysteine or alpha-lipoic acid supplementation during high-fat diet regime on fatty acid transporters in visceral and subcutaneous adipose tissue. <i>Advances in Medical Sciences</i> , 2022, 67, 216-228.	0.9	2
97	Î±-Lipoic Acid Supplementation Was Not Effective in Restoring Salivary Flow Rate and Salivary Glands Redox Equilibrium in the Hyperglycaemic Rats. <i>Cellular Physiology and Biochemistry</i> , 2022, 56, 36-52.	1.1	0