

Detection and interpretation of 8-oxodG and 8-oxoGua fluid

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A serially coupled stationary phase method for the determination of urinary 8-oxo-7,8-dihydro-2 ϵ -deoxyguanosine by liquid chromatography ion trap tandem mass spectrometry. <i>Redox Biology</i> , 2013, 1, 492-497.	3.9	5
2	hOGG1-Cys326 variant cells are hypersensitive to DNA repair inhibition by nitric oxide. <i>Carcinogenesis</i> , 2014, 35, 1426-1433.	1.3	21
3	Biomarkers of oxidative stress to nucleic acids: Background levels and effects of body mass index and life-style factors in an urban paediatric population. <i>Science of the Total Environment</i> , 2014, 500-501, 44-51.	3.9	26
4	Effects on DNA Damage and/or Repair Processes as Biological Mechanisms Linking Psychological Stress to Cancer Risk. <i>Journal of Applied Biobehavioral Research</i> , 2014, 19, 3-23.	2.0	33
5	2,6-Diaminopurine nucleoside derivative of 9-ethyloxy-2-oxo-1,3-diazaphenoxazine (2-amino-Adap) for recognition of 8-oxo-dG in DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1634-1641.	1.4	14
6	Endogenously elevated bilirubin modulates kidney function and protects from circulating oxidative stress in a rat model of adenine-induced kidney failure. <i>Scientific Reports</i> , 2015, 5, 15482.	1.6	37
7	Gum acacia mitigates genetic damage in adenine-induced chronic renal failure in rats. <i>European Journal of Clinical Investigation</i> , 2015, 45, 1221-1227.	1.7	12
8	Improvement in Depressive Symptoms Is Associated with Reduced Oxidative Damage and Inflammatory Response in Type 2 Diabetic Patients with Subsyndromal Depression: The Results of a Randomized Controlled Trial Comparing Psychoeducation, Physical Exercise, and Enhanced Treatment as Usual. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-11.	0.6	14
10	Analysis of the oxidative damage of DNA, RNA, and their metabolites induced by hyperglycemia and related nephropathy in Sprague Dawley rats. <i>Free Radical Research</i> , 2015, 49, 1199-1209.	1.5	11
11	Systemic Oxidative Stress to Nucleic Acids Is Unaltered Following Radioiodine Therapy of Patients with Benign Nodular Goiter. <i>European Thyroid Journal</i> , 2015, 4, 20-25.	1.2	6
12	Assessing human health risk to endocrine disrupting chemicals: a focus on prenatal exposures and oxidative stress. <i>Endocrine Disruptors (Austin, Tex)</i> , 2015, 3, e1069916.	1.1	30
13	Discrimination Between 8 ϵ -Oxo-2 ϵ -Deoxyguanosine and 2 ϵ -Deoxyguanosine in DNA by the Single Nucleotide Primer Extension Reaction with Adap Triphosphate. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5147-5151.	7.2	24
14	Potential survival markers in cancer patients undergoing chemotherapy. <i>Clinical and Experimental Medicine</i> , 2015, 15, 381-387.	1.9	3
15	Biomarkers of Oxidative Stress in Blood. <i>Biomarkers in Disease</i> , 2015, , 567-594.	0.0	3
16	Strategies of fluorescence staining for trace total ribonucleic acid analysis by capillary electrophoresis with argon ion laser-induced fluorescence. <i>Electrophoresis</i> , 2015, 36, 1781-1784.	1.3	3
17	Clinical Relevance of Biomarkers of Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1144-1170.	2.5	604
18	Urinary biomarkers of exposure and of oxidative damage in children exposed to low airborne concentrations of benzene. <i>Environmental Research</i> , 2015, 142, 264-272.	3.7	33
19	Reduction in oxidative stress biomarkers after adenotonsillectomy. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2015, 79, 1408-1411.	0.4	8

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20	Elevated levels of urinary markers of oxidatively generated DNA and RNA damage in bipolar disorder. <i>Bipolar Disorders</i> , 2015, 17, 257-268.	1.1	51
21	8-Oxo-7,8-dihydroguanine and 8-oxo-7,8-dihydro-2- ϵ -deoxyguanosine concentrations in various human body fluids: implications for their measurement and interpretation. <i>Archives of Toxicology</i> , 2015, 89, 201-210.	1.9	34
22	ROS, Cell Senescence, and Novel Molecular Mechanisms in Aging and Age-Related Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-18.	1.9	661
23	Elevated Levels of Urinary Markers of Oxidative DNA and RNA Damage in Type 2 Diabetes with Complications. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-7.	1.9	34
24	DNA Damage in Chronic Kidney Disease: Evaluation of Clinical Biomarkers. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	1.9	47
25	A comparison of electrochemically pre-treated and spark-platinized carbon fiber microelectrode. Measurement of 8-oxo-7,8-dihydro-2- ϵ -deoxyguanosine in human urine and plasma. <i>Analytica Chimica Acta</i> , 2016, 935, 82-89.	2.6	7
26	Increased DNA and RNA damage by oxidation in patients with bipolar I disorder. <i>Translational Psychiatry</i> , 2016, 6, e867-e867.	2.4	42
27	Specific Recognition of Single Nucleotide by Alkylating Oligonucleotides and Sensing of 8-Oxoguanine. <i>Nucleic Acids and Molecular Biology</i> , 2016, , 221-248.	0.2	0
28	Simvastatin and oxidative stress in humans: A randomized, double-blinded, placebo-controlled clinical trial. <i>Redox Biology</i> , 2016, 9, 32-38.	3.9	71
29	Markers of oxidative stress in obese men with and without hypertension. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2016, 76, 620-625.	0.6	21
30	Synthetic receptor molecules for selective fluorescence detection of 8-oxo-dGTP in aqueous media. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7949-7955.	1.5	7
31	Evaluating oxidative stress, serological- and haematological status of dogs suffering from osteoarthritis, after supplementing their diet with fish or corn oil. <i>Lipids in Health and Disease</i> , 2016, 15, 139.	1.2	31
32	Live-cell imaging approaches for the investigation of xenobiotic-induced oxidant stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2802-2815.	1.1	16
33	Pathways controlling dNTP pools to maintain genome stability. <i>DNA Repair</i> , 2016, 44, 193-204.	1.3	49
34	Oxidative DNA damage and oxidized low density lipoprotein in Type II diabetes mellitus among patients with <i>Helicobacter pylori</i> infection. <i>Diabetology and Metabolic Syndrome</i> , 2016, 8, 34.	1.2	31
35	Tobacco smoking and oxidative stress to DNA: a meta-analysis of studies using chromatographic and immunological methods. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2016, 76, 151-158.	0.6	32
36	Gender-related differences in susceptibility to oxidative stress in healthy middle-aged Serbian adults. <i>Biomarkers</i> , 2016, 21, 186-193.	0.9	8
37	Impact of weight loss induced by gastric bypass or caloric restriction on oxidative stress and genomic damage in obese Zucker rats. <i>Free Radical Biology and Medicine</i> , 2016, 94, 208-217.	1.3	28

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38	Formation and repair of oxidatively generated damage in cellular DNA. <i>Free Radical Biology and Medicine</i> , 2017, 107, 13-34.	1.3	240
39	Clarithromycin, trimethoprim, and penicillin and oxidative nucleic acid modifications in humans: randomised, controlled trials. <i>British Journal of Clinical Pharmacology</i> , 2017, 83, 1643-1653.	1.1	10
40	Phthalate-induced oxidative stress and association with asthma-related airway inflammation in adolescents. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 468-477.	2.1	70
41	The association between three major physiological stress systems and oxidative DNA and lipid damage. <i>Psychoneuroendocrinology</i> , 2017, 80, 56-66.	1.3	37
42	The effect of empagliflozin on oxidative nucleic acid modifications in patients with type 2 diabetes: protocol for a randomised, double-blinded, placebo-controlled trial. <i>BMJ Open</i> , 2017, 7, e014728.	0.8	10
43	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162.	3.9	242
44	Exposure to polycyclic aromatic hydrocarbons and volatile organic compounds among recently pregnant rural Guatemalan women cooking and heating with solid fuels. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 726-735.	2.1	42
45	Oxidative stress in major depressive and anxiety disorders, and the association with antidepressant use; results from a large adult cohort. <i>Psychological Medicine</i> , 2017, 47, 936-948.	2.7	60
46	Cardiovascular and All-Cause Mortality Risk Associated With Urinary Excretion of 8-oxoGuo, a Biomarker for RNA Oxidation, in Patients With Type 2 Diabetes: A Prospective Cohort Study. <i>Diabetes Care</i> , 2017, 40, 1771-1778.	4.3	51
47	Early-life adversity accelerates cellular ageing and affects adult inflammation: Experimental evidence from the European starling. <i>Scientific Reports</i> , 2017, 7, 40794.	1.6	71
48	Levels of 8-oxo-dGsn and 8-oxo-Gsn in random urine are consistent with 24h urine in healthy subjects and patients with renal disease. <i>Free Radical Research</i> , 2017, 51, 616-621.	1.5	8
49	Neuronal P2X7 receptor-induced reactive oxygen species production contributes to nociceptive behavior in mice. <i>Scientific Reports</i> , 2017, 7, 3539.	1.6	61
50	Increased Oxidative Damage of RNA in Early-Stage Nephropathy in db/db Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	6
51	Cholesterol overload in the liver aggravates oxidative stress-mediated DNA damage and accelerates hepatocarcinogenesis. <i>Oncotarget</i> , 2017, 8, 104136-104148.	0.8	33
52	Measurement of 8-oxo-7,8-dihydro-2-deoxyguanosine and 8-oxo-7,8-dihydro-guanosine in cerebrospinal fluid by ultra performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1073, 110-117.	1.2	12
53	Urinary Markers of Oxidative Stress Are Associated With Albuminuria But Not GFR Decline. <i>Kidney International Reports</i> , 2018, 3, 573-582.	0.4	15
54	DNA redox modulations and global DNA methylation in bipolar disorder: Effects of sex, smoking and illness state. <i>Psychiatry Research</i> , 2018, 261, 589-596.	1.7	22
55	Increased blood 8-hydroxy-2-deoxyguanosine levels in methamphetamine users during early abstinence. <i>American Journal of Drug and Alcohol Abuse</i> , 2018, 44, 395-402.	1.1	7

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57	Oxidative DNA and RNA damage and their prognostic values during <i>Salmonella enteritidis</i> -induced intestinal infection in rats. <i>Free Radical Research</i> , 2018, 52, 961-969.	1.5	2
58	Relationship Between Plasma 8-hydroxydeoxyguanosine and Cardiovascular Disease and Survival in Type 2 Diabetes Mellitus: Results From the ADVANCE Trial. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	26
59	Urinary Nucleosides and Deoxynucleosides. <i>Advances in Clinical Chemistry</i> , 2018, 83, 1-51.	1.8	13
60	Elevated levels of 8-oxoGuo and 8-oxodG in individuals with severe mental illness – An autopsy-based study. <i>Free Radical Biology and Medicine</i> , 2018, 126, 372-378.	1.3	10
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63	Combined <i>in silico</i> and <i>in vitro</i> study of an aptasensor based on citrate-capped AuNPs for naked-eye detection of a critical biomarker of oxidative stress. <i>RSC Advances</i> , 2019, 9, 17592-17600.	1.7	11
64	Oxidatively generated modifications to nucleic acids <i>in vivo</i> : Measurement in urine and plasma. <i>Free Radical Biology and Medicine</i> , 2019, 145, 336-341.	1.3	31
65	Interventions targeted at oxidatively generated modifications of nucleic acids focused on urine and plasma markers. <i>Free Radical Biology and Medicine</i> , 2019, 145, 256-283.	1.3	24
66	Higher Number of Night Shifts Associates with Good Perception of Work Capacity and Optimal Lung Function but Correlates with Increased Oxidative Damage and Telomere Attrition. <i>BioMed Research International</i> , 2019, 2019, 1-10.	0.9	19
67	Urinary and exhaled biomarkers of exercise-induced bronchoconstriction in atopic asthmatic children. <i>Pediatric Pulmonology</i> , 2019, 54, 1447-1456.	1.0	5
68	Development of Novel Functional Molecules Targeting DNA and RNA. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 505-518.	0.6	6
69	Markers of HPA-axis activity and nucleic acid damage from oxidation after electroconvulsive stimulations in rats. <i>Acta Neuropsychiatrica</i> , 2019, 31, 287-293.	1.0	2
70	P.304 Dna damage and repair in symptomatic and remitted states of depression. <i>European Neuropsychopharmacology</i> , 2019, 29, S216-S217.	0.3	0
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73	Designing an Aptasensor Based on Cysteamine-Capped AuNPs for 8-Oxo-dG Detection: A Molecular Dynamics Approach and Experimental Validation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1129-1138.	1.2	16

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74	Clinical relevance of guanine-derived urinary biomarkers of oxidative stress, determined by LC-MS/MS. <i>Redox Biology</i> , 2019, 20, 556-565.	3.9	47
75	Alteration of dietary cysteine affects activities of genes of the transsulfuration and glutathione pathways, and development of skin tissues and feather follicles in chickens. <i>Animal Biotechnology</i> , 2020, 31, 203-208.	0.7	9
76	Changes in oxidative nucleic acid modifications and inflammation following one-week treatment with the bile acid sequestrant sevelamer: Two randomised, placebo-controlled trials. <i>Journal of Diabetes and Its Complications</i> , 2020, 34, 107446.	1.2	3
77	Ozone: a natural bioactive molecule with antioxidant property as potential new strategy in aging and in neurodegenerative disorders. <i>Ageing Research Reviews</i> , 2020, 63, 101138.	5.0	55
78	Hepatitis C virus eradication by direct antiviral agents abates oxidative stress in patients with advanced liver fibrosis. <i>Liver International</i> , 2020, 40, 2820-2827.	1.9	17
79	Increased oxidative stress with substantial dysregulation of genes related to oxidative stress and DNA repair after laparoscopic colon cancer surgery. <i>Surgical Oncology</i> , 2020, 35, 71-78.	0.8	5
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82	Alterations in levels of 8-Oxo-2'-deoxyguanosine and 8-Oxoguanine DNA glycosylase 1 during a current episode and after remission in unipolar and bipolar depression. <i>Psychoneuroendocrinology</i> , 2020, 114, 104600.	1.3	25
83	Biomarkers of Low-Level Environmental Exposure to Benzene and Oxidative DNA Damage in Primary School Children in Sardinia, Italy. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4644.	1.2	4
84	Higher systemic oxidatively generated DNA and RNA damage in patients with newly diagnosed bipolar disorder and their unaffected first-degree relatives. <i>Free Radical Biology and Medicine</i> , 2021, 168, 226-233.	1.3	12
85	The Role of Oxidative Stress in Hypertensive Disorders of Pregnancy (Preeclampsia, Gestational) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> <i>Medicine and Cellular Longevity</i> , 2021, 2021, 1-10.	1.9	62
86	Biomarkers of nucleic acid oxidation – A summary state-of-the-art. <i>Redox Biology</i> , 2021, 42, 101872.	3.9	51
87	8-Hydroxy-2'-Deoxyguanosine and Reactive Oxygen Species as Biomarkers of Oxidative Stress in Mental Illnesses: A Meta-Analysis. <i>Psychiatry Investigation</i> , 2021, 18, 603-618.	0.7	14
88	Quantification of 8-oxo-7,8-dihydro-2'-deoxyguanosine and 8-oxo-7,8-dihydro-guanosine concentrations in urine and plasma for estimating 24-h urinary output. <i>Free Radical Biology and Medicine</i> , 2021, 172, 350-357.	1.3	16
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90	Urinary concentrations of acetaminophen in young children in central and south China: Repeated measurements and associations with 8-hydroxy-guanosine and 8-hydroxy-2'-deoxyguanosine. <i>Science of the Total Environment</i> , 2021, 787, 147614.	3.9	19
91	An <i>in silico</i> kinetic model of 8-oxo-7,8-dihydro-2-deoxyguanosine and 8-oxo-7,8-dihydroguanosine metabolism from intracellular formation to urinary excretion. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2021, 81, 540-545.	0.6	7

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92	Relationships among smoking, oxidative stress, inflammation, macromolecular damage, and cancer. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108365.	2.4	181
93	The Detection of 8-Oxo-7,8-Dihydro-2-Deoxyguanosine in Circulating Cell-Free DNA: A Step Towards Longitudinal Monitoring of Health. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1241, 125-138.	0.8	4
94	Occupational exposure to graphene and silica nanoparticles. Part II: pilot study to identify a panel of sensitive biomarkers of genotoxic, oxidative and inflammatory effects on suitable biological matrices. <i>Nanotoxicology</i> , 2021, 15, 223-237.	1.6	23
95	Oxidative DNA Damage in Kidneys and Heart of Hypertensive Mice Is Prevented by Blocking Angiotensin II and Aldosterone Receptors. <i>PLoS ONE</i> , 2014, 9, e115715.	1.1	20
96	Age-dependent systemic DNA damage in early Type 2 Diabetes mellitus. <i>Acta Biochimica Polonica</i> , 2017, 64, 233-238.	0.3	7
97	Oxidative Stress Modulation and Radiosensitizing Effect of Quinoxaline-1,4-Dioxides Derivatives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 111-120.	0.9	3
98	Rapid Liquid Chromatography-Tandem Mass Spectrometry Analysis of Two Urinary Oxidative Stress Biomarkers: 8-oxodG and 8-isoprostane. <i>Antioxidants</i> , 2021, 10, 38.	2.2	4
99	DNA Oxidative Damage is Correlated with JNK Activation in Hepatocytes from Rats with Experimental Insulin Resistance. <i>Journal of Molecular and Genetic Medicine: an International Journal of Biomedical Research</i> , 2014, 02, .	0.1	0
100	Biomarkers of Oxidative Stress in Blood. , 2014, , 1-22.		0
101	MODERN APPROACHES TO OXIDATIVE STRESS ESTIMATION, OR HOW TO MEASURE THE IMMEASURABLE. <i>Biulleten' Vostochno-Sibirskogo Nauchnogo Tsentra</i> , 2017, 1, 174-180.	0.1	5
102	Reduction of oxidative stress on DNA and RNA in obese patients after Roux-en-Y gastric bypass surgery-An observational cohort study of changes in urinary markers. <i>PLoS ONE</i> , 2020, 15, e0243918.	1.1	10
103	The Significance of 8-oxoGsn in Aging-Related Diseases. , 2020, 11, 1329.		16
104	Preconception nutraceutical food supplementation can prevent oxidative and epigenetic DNA alterations induced by ovarian stimulation for IVF and increases pregnancy rates. <i>Facts, Views & Vision in ObGyn</i> , 2020, 12, 23-30.	0.5	1
105	Development of Artificial Nucleoside Analogues for the Recognition and Detection of Damaged Nucleoside in DNA. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2022, 80, 46-54.	0.0	0
106	Urinary parabens and their derivatives associated with oxidative stress biomarkers in children from South and Central China: Repeated measures. <i>Science of the Total Environment</i> , 2022, 817, 152639.	3.9	8
107	Associations of urinary and dietary cadmium with urinary 8-oxo-7,8-dihydro-2-deoxyguanosine and blood biochemical parameters. <i>Environmental Research</i> , 2022, 210, 112912.	3.7	14
108	Oxidative Stress and Antioxidant Response in Populations of the Czech Republic Exposed to Various Levels of Environmental Pollutants. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3609.	1.2	4
109	Associations of urinary metabolites of oxidized DNA and RNA with the incidence of diabetes mellitus using UPLC-MS/MS and ELISA methods. <i>Free Radical Biology and Medicine</i> , 2022, 183, 51-59.	1.3	1

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111	Protective Effect of Resveratrol against Hexavalent Chromium-Induced Genotoxic Damage in Hsd:ICR Male Mice. <i>Molecules</i> , 2022, 27, 4028.	1.7	3
112	Urinary 2,4-dichlorophenoxyacetic acid in Chinese pregnant women at three trimesters: Variability, exposure characteristics, and association with oxidative stress biomarkers. <i>Chemosphere</i> , 2022, 304, 135266.	4.2	5
113	Fluorescent adenine analogues with ESPT characteristic utilized for real-time detecting DNA adduct. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 282, 121675.	2.0	3
114	Aptamer-based Biosensors: Promising Sensing Technology for Diabetes Diagnosis in Biological Fluids. <i>Current Medicinal Chemistry</i> , 2023, 30, 3441-3471.	1.2	2
115	A robust LC-MS/MS method to measure 8-oxoGuo, 8-oxodG, and NMN in human serum and urine. <i>Analytical Biochemistry</i> , 2023, 660, 114970.	1.1	3
116	Genotoxic Biomonitoring in Children Living near the El Fraile Mine Tailings in Northern Guerrero State, Mexico. <i>Toxics</i> , 2022, 10, 674.	1.6	0
117	A follow-up study on workers involved in the graphene production process after the introduction of exposure mitigation measures: evaluation of genotoxic and oxidative effects. <i>Nanotoxicology</i> , 0, , 1-15.	1.6	0
118	DNA repair byproduct 8-oxoguanine base promotes myoblast differentiation. <i>Redox Biology</i> , 2023, 61, 102634.	3.9	3
119	Urinary metabolites of multiple volatile organic compounds, oxidative stress biomarkers, and gestational diabetes mellitus: Association analyses. <i>Science of the Total Environment</i> , 2023, 875, 162370.	3.9	6
120	Dynamics of 8-Oxoguanine in DNA: Decisive Effects of Base Pairing and Nucleotide Context. <i>Journal of the American Chemical Society</i> , 2023, 145, 5613-5617.	6.6	1
121	A comparative meta-analysis of peripheral 8-hydroxy-2â€²-deoxyguanosine (8-OHdG) or 8-oxo-7,8-dihydro-2â€²-deoxyguanosine (8-oxo-dG) levels across mood episodes in bipolar disorder. <i>Psychoneuroendocrinology</i> , 2023, 151, 106078.	1.3	6
122	Oxidative stress in intervertebral disc degeneration: Molecular mechanisms, pathogenesis and treatment. <i>Cell Proliferation</i> , 2023, 56, .	2.4	17
123	The Role of Potential Oxidative Biomarkers in the Prognosis of Acute Ischemic Stroke and the Exploration of Antioxidants as Possible Preventive and Treatment Options. <i>International Journal of Molecular Sciences</i> , 2023, 24, 6389.	1.8	9