

Maria Pia Rigobello

List of Publications by Year in descending order

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32
papers

2,093
citations

331538

21
h-index

434063

31
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32
all docs

32
docs citations

32
times ranked

2942
citing authors

#	ARTICLE	IF	CITATIONS
1	Thioredoxin reductase: A target for gold compounds acting as potential anticancer drugs. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1692-1707.	9.5	513
2	Gold(I) Carbene Complexes Causing Thioredoxin 1 and Thioredoxin 2 Oxidation as Potential Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5518-5528.	2.9	221
3	Principles in Redox Signaling: From Chemistry to Functional Significance. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1557-1593.	2.5	166
4	Fluorescent silver(I) and gold(I) N-heterocyclic carbene complexes with cytotoxic properties: mechanistic insights. <i>Metallomics</i> , 2013, 5, 1006.	1.0	121
5	Milk-derived bioactive peptides exhibit antioxidant activity through the Keap1-Nrf2 signaling pathway. <i>Journal of Functional Foods</i> , 2020, 64, 103696.	1.6	108
6	Evidence for Targeting Thioredoxin Reductases with Ferrocenyl Quinone Methides. A Possible Molecular Basis for the Antiproliferative Effect of Hydroxyferrocifens on Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8849-8859.	2.9	102
7	Significance of the mitochondrial thioredoxin reductase in cancer cells: An update on role, targets and inhibitors. <i>Free Radical Biology and Medicine</i> , 2018, 127, 62-79.	1.3	97
8	Characterization of Hydrophilic Gold(I) N-Heterocyclic Carbene (NHC) Complexes as Potent TrxR Inhibitors Using Biochemical and Mass Spectrometric Approaches. <i>Inorganic Chemistry</i> , 2017, 56, 14237-14250.	1.9	76
9	Identification of New Peptides from Fermented Milk Showing Antioxidant Properties: Mechanism of Action. <i>Antioxidants</i> , 2020, 9, 117.	2.2	66
10	Treatment of human cancer cells with selenite or tellurite in combination with auranofin enhances cell death due to redox shift. <i>Free Radical Biology and Medicine</i> , 2009, 47, 710-721.	1.3	59
11	Gold(I) complexes determine apoptosis with limited oxidative stress in Jurkat T cells. <i>European Journal of Pharmacology</i> , 2008, 582, 26-34.	1.7	56
12	Milk-derived bioactive peptides protect against oxidative stress in a Caco-2 cell model. <i>Food and Function</i> , 2018, 9, 1245-1253.	2.1	49
13	Mitochondrial Thioredoxin System as a Modulator of Cyclophilin D Redox State. <i>Scientific Reports</i> , 2016, 6, 23071.	1.6	46
14	Oxidative changes in lipids, proteins, and antioxidants in yogurt during the shelf life. <i>Food Science and Nutrition</i> , 2017, 5, 1079-1087.	1.5	45
15	Fermented Soy-Derived Bioactive Peptides Selected by a Molecular Docking Approach Show Antioxidant Properties Involving the Keap1/Nrf2 Pathway. <i>Antioxidants</i> , 2020, 9, 1306.	2.2	41
16	Mitochondrial Thioredoxin Reductase. <i>Methods in Enzymology</i> , 2010, 474, 109-122.	0.4	40
17	Tamoxifen-like metallocifens target the thioredoxin system determining mitochondrial impairment leading to apoptosis in Jurkat cells. <i>Metallomics</i> , 2017, 9, 949-959.	1.0	30
18	Interaction of selenite and tellurite with thiol-dependent redox enzymes: Kinetics and mitochondrial implications. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1620-1629.	1.3	27

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19	The Determining Role of Mitochondrial Reactive Oxygen Species Generation and Monoamine Oxidase Activity in Doxorubicin-Induced Cardiotoxicity. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 531-550.	2.5	27
20	SOD1 in ALS: Taking Stock in Pathogenic Mechanisms and the Role of Glial and Muscle Cells. <i>Antioxidants</i> , 2022, 11, 614.	2.2	26
21	Evaluation of the Antioxidant Properties of Propofol and its Nitrosoderivative. Comparison with Homologue Substituted Phenols. <i>Free Radical Research</i> , 2004, 38, 315-321.	1.5	25
22	Osmocenyl-tamoxifen derivatives target the thioredoxin system leading to a redox imbalance in Jurkat cells. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 296-304.	1.5	21
23	Insight into antioxidant properties of milk-derived bioactive peptides in vitro and in a cellular model. <i>Journal of Peptide Science</i> , 2019, 25, e3162.	0.8	21
24	Enzymatic oxidation of ansa-ferrocifen leads to strong and selective thioredoxin reductase inhibition in vitro. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 146-151.	1.5	19
25	Antioxidant Properties of Fermented Soy during Shelf Life. <i>Plant Foods for Human Nutrition</i> , 2019, 74, 287-292.	1.4	19
26	Small Structural Differences between Two Ferrocenyl Diphenols Determine Large Discrepancies of Reactivity and Biological Effects. <i>ChemMedChem</i> , 2019, 14, 1717-1726.	1.6	17
27	Nrf2-Activating Bioactive Peptides Exert Anti-Inflammatory Activity through Inhibition of the NF- κ B Pathway. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4382.	1.8	15
28	Mitochondrial depletion of glutaredoxin 2 induces metabolic dysfunction-associated fatty liver disease in mice. <i>Redox Biology</i> , 2022, 51, 102277.	3.9	13
29	Platinum(II) Complexes Bearing Triphenylphosphine and Chelating Oximes: Antiproliferative Effect and Biological Profile in Resistant Cells. <i>ChemMedChem</i> , 2020, 15, 1464-1472.	1.6	11
30	Comparative analysis of the antioxidant capacity and lipid and protein oxidation of soy and oats beverages. <i>Food Production Processing and Nutrition</i> , 2021, 3, .	1.1	9
31	Dimers of glutaredoxin 2 as mitochondrial redox sensors in selenite-induced oxidative stress. <i>Metallomics</i> , 2019, 11, 1241-1251.	1.0	7
32	INTERACTION OF FRUCTOSE 1,6 DIPHOSPHATE WITH RED CELL MEMBRANE. <i>Biochemical Society Transactions</i> , 1981, 9, 177P-177P.	1.6	0