

Gregory I Giles

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	3,191 citations	25 h-index	54 g-index
54 ext. papers	3,456 ext. citations	4.9 avg, IF	5.02 L-index

#	Paper	IF	Citations
46	Sulfur and selenium: the role of oxidation state in protein structure and function. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4742-58	16.4	606
45	Metal and redox modulation of cysteine protein function. <i>Chemistry and Biology</i> , 2003 , 10, 677-93		336
44	Reactive sulfur species: an emerging concept in oxidative stress. <i>Biological Chemistry</i> , 2002 , 383, 375-88	4.5	218
43	Hypothesis: the role of reactive sulfur species in oxidative stress. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 1279-83	7.8	206
42	Multiple roles of cysteine in biocatalysis. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 300, 1-4	3.4	171
41	Mycobacterium tuberculosis WhiB3 responds to O ₂ and nitric oxide via its [4Fe-4S] cluster and is essential for nutrient starvation survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 11562-7	11.5	159
40	The redox regulation of thiol dependent signaling pathways in cancer. <i>Current Pharmaceutical Design</i> , 2006 , 12, 4427-43	3.3	158
39	Fatty acid transduction of nitric oxide signaling. Nitrolinoleic acid is a hydrophobically stabilized nitric oxide donor. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19289-97	5.4	145
38	A fungal metallothionein is required for pathogenicity of <i>Magnaporthe grisea</i> . <i>Plant Cell</i> , 2004 , 16, 1575-86	4.8	87
37	Xanthine oxidase-dependent regulation of hypoxia-inducible factor in cancer cells. <i>Cancer Research</i> , 2006 , 66, 2257-63	10.1	75
36	Evaluation of sulfur, selenium and tellurium catalysts with antioxidant potential. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 4317-22	3.9	73
35	Biologically active [Pd ₂ L ₄](4+) quadruply-stranded helicates: stability and cytotoxicity. <i>Dalton Transactions</i> , 2015 , 44, 11129-36	4.3	72
34	Electrochemical and in vitro evaluation of the redox-properties of kynurenine species. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 300, 719-24	3.4	72
33	Schwefel und Selen: Bedeutung der Oxidationsstufe für Struktur und Funktion von Proteinen. <i>Angewandte Chemie</i> , 2003 , 115, 4890-4907	3.6	70
32	Topoisomerase enzymes as therapeutic targets for cancer chemotherapy. <i>Medicinal Chemistry</i> , 2005 , 1, 383-94	1.8	69
31	Moderate hypoxia induces xanthine oxidoreductase activity in arterial endothelial cells. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 952-9	7.8	64
30	Reactive sulphur species: an in vitro investigation of the oxidation properties of disulphide S-oxides. <i>Biochemical Journal</i> , 2002 , 364, 579-85	3.8	62

29	The Reactive Sulfur Species Concept: 15 Years On. <i>Antioxidants</i> , 2017 , 6,	7.1	48
28	Redox catalysts as sensitizers towards oxidative stress. <i>FEBS Letters</i> , 2003 , 535, 179-82	3.8	47
27	Multifunctional redox catalysts as selective enhancers of oxidative stress. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 2579-87	3.9	45
26	Enhanced kinetic stability of [Pd2L4](4+) cages through ligand substitution. <i>Dalton Transactions</i> , 2016 , 45, 8050-60	4.3	44
25	Electrochemistry of chalcogen compounds: prediction of antioxidant activity. <i>Chemical Communications</i> , 2001 , 2490-1	5.8	33
24	Reactive sulphur species in oxidative signal transduction. <i>Biochemical Society Transactions</i> , 2004 , 32, 1015-7	5.1	30
23	Controlled Delivery of Nitric Oxide for Cancer Therapy. <i>Pharmaceutical Nanotechnology</i> , 2019 , 7, 279-303	4	28
22	Electrochemical, in vitro and cell culture analysis of integrated redox catalysts: implications for cancer therapy. <i>Chemical Communications</i> , 2003 , 2030-1	5.8	28
21	Intracellular targeting and pharmacological activity of the superoxide dismutase mimics MnTE-2-PyP5+ and MnTnHex-2-PyP5+ regulated by their porphyrin ring substituents. <i>Inorganic Chemistry</i> , 2013 , 52, 4121-3	5.1	24
20	Novel method for measuring S-nitrosothiols using hydrogen sulfide. <i>Methods in Enzymology</i> , 2008 , 441, 161-72	1.7	24
19	Anticancer Activity and Cisplatin Binding Ability of -Quinoline and -Isoquinoline Derived [PdL] Metallosupramolecular Cages. <i>Frontiers in Chemistry</i> , 2018 , 6, 563	5	23
18	Targeting oxidative stress-related diseases: organochalcogen catalysts as redox sensitizers. <i>Biochemical Pharmacology</i> , 2003 , 66, 2021-8	6	22
17	Hypoxia Responsive Drug Delivery Systems in Tumor Therapy. <i>Current Pharmaceutical Design</i> , 2016 , 22, 2808-20	3.3	20
16	A Dinuclear Platinum(II) N4Py Complex: An Unexpected Coordination Mode For N4Py. <i>Inorganic Chemistry</i> , 2015 , 54, 6671-3	5.1	17
15	The molecular design of S-nitrosothiols as photodynamic agents for controlled nitric oxide release. <i>Chemical Biology and Drug Design</i> , 2012 , 80, 471-8	2.9	15
14	Synchrotron radiation induced X-ray emission studies of the antioxidant mechanism of the organoselenium drug ebselen. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 589-98	3.7	15
13	The design of nitric oxide donor drugs: s-nitrosothiol tDodSNO is a superior photoactivated donor in comparison to GSNO and SNAP. <i>European Journal of Pharmacology</i> , 2014 , 737, 168-76	5.3	14
12	A hydrogen peroxide electrode assay to measure thiol peroxidase activity for organoselenium and organotellurium drugs. <i>Analytical Biochemistry</i> , 2012 , 429, 103-7	3.1	13

11	Synthesis, Characterisation and Antimicrobial Studies of some 2,6-bis(1,2,3-Triazol-4-yl)Pyridine Ruthenium(II) Click Complexes. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 496-505	3	9
10	Reduced metal ion concentrations in atherosclerotic plaques from subjects with type 2 diabetes mellitus. <i>Atherosclerosis</i> , 2012 , 222, 512-8	3.1	9
9	Solid phase synthesis of anthraquinone peptides and their evaluation as topoisomerase I inhibitors. <i>Journal of Peptide Science</i> , 2005 , 11, 417-23	2.1	9
8	Palladium(II) and platinum(II) complexes of ((2-pyridyl)pyrazol-1-ylmethyl)benzoic acids: Synthesis, Solid state characterisation and biological cytotoxicity. <i>Inorganica Chimica Acta</i> , 2016 , 446, 41-53	2.7	8
7	Encapsulation of tDodSNO generates a photoactivated nitric oxide releasing nanoparticle for localized control of vasodilation and vascular hyperpermeability. <i>Free Radical Biology and Medicine</i> , 2019 , 130, 297-305	7.8	5
6	Quadruply Stranded Metallo-Supramolecular Helicate [Pd(hextrz)] Acts as a Molecular Mimic of Cytolytic Peptides. <i>Chemical Research in Toxicology</i> , 2020 , 33, 1822-1834	4	4
5	The design of redox active thiol peroxidase mimics: Dihydrolipoic acid recognition correlates with cytotoxicity and prooxidant action. <i>Biochemical Pharmacology</i> , 2016 , 104, 19-28	6	4
4	Redox-Controlled Transcription Factors and Gene Expression	245-270	4
3	Data characterizing the biophysical and nitric oxide release properties of the tDodSNO - Styrene maleic anhydride nanoparticle SMA-tDodSNO. <i>Data in Brief</i> , 2018 , 21, 1771-1775	1.2	3
2	Redox activated polymeric nanoparticles in tumor therapy	2017, 327-354	1
1	Data on the catalytic mechanism of thiol peroxidase mimics. <i>Data in Brief</i> , 2016 , 8, 207-10	1.2	