Gregory I Giles

List of Publications by Year in Descending Order

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	Quadruply Stranded Metallo-Supramolecular Helicate [Pd(hextrz)] Acts as a Molecular Mimic of Cytolytic Peptides. *Chemical Research in Toxicology*, **2020**, 33, 1822-1834	4	4
45	Controlled Delivery of Nitric Oxide for Cancer Therapy. *Pharmaceutical Nanotechnology*, **2019**, 7, 279-303	4	28
44	Synthesis, Characterisation and Antimicrobial Studies of some 2,6-bis(1,2,3-Triazol-4-yl)Pyridine Ruthenium(II) Click Complexes. *Asian Journal of Organic Chemistry*, **2019**, 8, 496-505	3	9
43	Encapsulation of tDodSNO generates a photoactivated nitric oxide releasing nanoparticle for localized control of vasodilation and vascular hyperpermeability. *Free Radical Biology and Medicine*, **2019**, 130, 297-305	7.8	5
42	Data characterizing the biophysical and nitric oxide release properties of the tDodSNO - Styrene maleic anhydride nanoparticle SMA-tDodSNO. *Data in Brief*, **2018**, 21, 1771-1775	1.2	3
41	Anticancer Activity and Cisplatin Binding Ability of -Quinoline and -Isoquinoline Derived [PdL] Metallosupramolecular Cages. *Frontiers in Chemistry*, **2018**, 6, 563	5	23
40	Redox activated polymeric nanoparticles in tumor therapy **2017**, 327-354		1
39	The Reactive Sulfur Species Concept: 15 Years On. *Antioxidants*, **2017**, 6,	7.1	48
38	The design of redox active thiol peroxidase mimics: Dihydrolipoic acid recognition correlates with cytotoxicity and prooxidant action. *Biochemical Pharmacology*, **2016**, 104, 19-28	6	4
37	Palladium(II) and platinum(II) complexes of ((2-pyridyl)pyrazol-1-ylmethyl)benzoic acids: Synthesis, Solid state characterisation and biological cytotoxicity. *Inorganica Chimica Acta*, **2016**, 446, 41-53	2.7	8
36	Hypoxia Responsive Drug Delivery Systems in Tumor Therapy. *Current Pharmaceutical Design*, **2016**, 22, 2808-20	3.3	20
35	Enhanced kinetic stability of [Pd2L4](4+) cages through ligand substitution. *Dalton Transactions*, **2016**, 45, 8050-60	4.3	44
34	Data on the catalytic mechanism of thiol peroxidase mimics. *Data in Brief*, **2016**, 8, 207-10	1.2	
33	A Dinuclear Platinum(II) N4Py Complex: An Unexpected Coordination Mode For N4Py. *Inorganic Chemistry*, **2015**, 54, 6671-3	5.1	17
32	Biologically active [Pd2L4](4+) quadruply-stranded helicates: stability and cytotoxicity. *Dalton Transactions*, **2015**, 44, 11129-36	4.3	72
31	The design of nitric oxide donor drugs: s-nitrosothiol tDodSNO is a superior photoactivated donor in comparison to GSNO and SNAP. *European Journal of Pharmacology*, **2014**, 737, 168-76	5.3	14
30	Intracellular targeting and pharmacological activity of the superoxide dismutase mimics MnTE-2-PyP5+ and MnTnHex-2-PyP5+ regulated by their porphyrin ring substituents. *Inorganic Chemistry*, **2013**, 52, 4121-3	5.1	24

29	The molecular design of S-nitrosothiols as photodynamic agents for controlled nitric oxide release. *Chemical Biology and Drug Design*, **2012**, 80, 471-8	2.9	15
28	Reduced metal ion concentrations in atherosclerotic plaques from subjects with type 2 diabetes mellitus. *Atherosclerosis*, **2012**, 222, 512-8	3.1	9
27	A hydrogen peroxide electrode assay to measure thiol peroxidase activity for organoselenium and organotellurium drugs. *Analytical Biochemistry*, **2012**, 429, 103-7	3.1	13
26	Synchrotron radiation induced X-ray emission studies of the antioxidant mechanism of the organoselenium drug ebselen. *Journal of Biological Inorganic Chemistry*, **2012**, 17, 589-98	3.7	15
25	Novel method for measuring S-nitrosothiols using hydrogen sulfide. *Methods in Enzymology*, **2008**, 441, 161-72	1.7	24
24	Mycobacterium tuberculosis WhiB3 responds to O2 and nitric oxide via its [4Fe-4S] cluster and is essential for nutrient starvation survival. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11562-7	11.5	159
23	Moderate hypoxia induces xanthine oxidoreductase activity in arterial endothelial cells. *Free Radical Biology and Medicine*, **2006**, 40, 952-9	7.8	64
22	The redox regulation of thiol dependent signaling pathways in cancer. *Current Pharmaceutical Design*, **2006**, 12, 4427-43	3.3	158
21	Xanthine oxidase-dependent regulation of hypoxia-inducible factor in cancer cells. *Cancer Research*, **2006**, 66, 2257-63	10.1	75
20	Multifunctional redox catalysts as selective enhancers of oxidative stress. *Organic and Biomolecular Chemistry*, **2005**, 3, 2579-87	3.9	45
19	Solid phase synthesis of anthraquinone peptides and their evaluation as topoisomerase I inhibitors. *Journal of Peptide Science*, **2005**, 11, 417-23	2.1	9
18	Topoisomerase enzymes as therapeutic targets for cancer chemotherapy. *Medicinal Chemistry*, **2005**, 1, 383-94	1.8	69
17	Fatty acid transduction of nitric oxide signaling. Nitrolinoleic acid is a hydrophobically stabilized nitric oxide donor. *Journal of Biological Chemistry*, **2005**, 280, 19289-97	5.4	145
16	Reactive sulphur species in oxidative signal transduction. *Biochemical Society Transactions*, **2004**, 32, 1015-7	5.1	30
15	A fungal metallothionein is required for pathogenicity of Magnaporthe grisea. *Plant Cell*, **2004**, 16, 1575-88	8.6	87
14	Targeting oxidative stress-related diseases: organochalcogen catalysts as redox sensitizers. *Biochemical Pharmacology*, **2003**, 66, 2021-8	6	22
13	Schwefel und Selen: Bedeutung der Oxidationsstufe f□Struktur und Funktion von Proteinen. *Angewandte Chemie*, **2003**, 115, 4890-4907	3.6	70
12	Sulfur and selenium: the role of oxidation state in protein structure and function. *Angewandte Chemie - International Edition*, **2003**, 42, 4742-58	16.4	606

11	Metal and redox modulation of cysteine protein function. *Chemistry and Biology*, **2003**, 10, 677-93		336
10	Evaluation of sulfur, selenium and tellurium catalysts with antioxidant potential. *Organic and Biomolecular Chemistry*, **2003**, 1, 4317-22	3.9	73
9	Redox catalysts as sensitisers towards oxidative stress. *FEBS Letters*, **2003**, 535, 179-82	3.8	47
8	Multiple roles of cysteine in biocatalysis. *Biochemical and Biophysical Research Communications*, **2003**, 300, 1-4	3.4	171
7	Electrochemical and in vitro evaluation of the redox-properties of kynurenine species. *Biochemical and Biophysical Research Communications*, **2003**, 300, 719-24	3.4	72
6	Electrochemical, in vitro and cell culture analysis of integrated redox catalysts: implications for cancer therapy. *Chemical Communications*, **2003**, 2030-1	5.8	28
5	Reactive sulphur species: an in vitro investigation of the oxidation properties of disulphide S-oxides. *Biochemical Journal*, **2002**, 364, 579-85	3.8	62
4	Reactive sulfur species: an emerging concept in oxidative stress. *Biological Chemistry*, **2002**, 383, 375-88	4.5	218
3	Hypothesis: the role of reactive sulfur species in oxidative stress. *Free Radical Biology and Medicine*, **2001**, 31, 1279-83	7.8	206
2	Electrochemistry of chalcogen compounds: prediction of antioxidant activity. *Chemical Communications*, **2001**, 2490-1	5.8	33
1	Redox-Controlled Transcription Factors and Gene Expression245-270		4