Piedad-del-Socorro Murdoch

List of Publications by Year
in descending order

35 papers	2,053 citations	331670 21 h-index	395702 33 g-index
35 all docs	35 docs citations	35 times ranked	2186 citing authors

#	Article	IF	Citations
1	Glutamine, MTOR and autophagy: a multiconnection relationship. Autophagy, 2022, 18, 2749-2750.	9.1	22
2	Downregulation of Glutamine Synthetase, not glutaminolysis, is responsible for glutamine addiction in Notch1â€driven acute lymphoblastic leukemia. Molecular Oncology, 2021, 15, 1412-1431.	4.6	16
3	Two parallel pathways connect glutamine metabolism and mTORC1 activity to regulate glutamoptosis. Nature Communications, 2021, 12, 4814.	12.8	19
4	The Sinorhizobium (Ensifer) fredii HH103 rkp-2 region is involved in the biosynthesis of lipopolysaccharide and exopolysaccharide but not in K-antigen polysaccharide production. Plant and Soil, 2017, 417, 415-431.	3.7	5
5	Exopolysaccharide Production by Sinorhizobium fredii HH103 Is Repressed by Genistein in a NodD1-Dependent Manner. PLoS ONE, 2016, 11, e0160499.	2.5	24
6	The Sinorhizobium fredii HH103 MucR1 Global Regulator Is Connected With the nod Regulon and Is Required for Efficient Symbiosis With Lotus burttii and Glycine max cv. Williams. Molecular Plant-Microbe Interactions, 2016, 29, 700-712.	2.6	24
7	Developmental Defects in a Caenorhabditis elegans Model for Type III Galactosemia. Genetics, 2014, 198, 1559-1569.	2.9	20
8	Sinorhizobium fredii HH103 rkp-3 Genes Are Required for K-Antigen Polysaccharide Biosynthesis, Affect Lipopolysaccharide Structure and Are Essential for Infection of Legumes Forming Determinate Nodules. Molecular Plant-Microbe Interactions, 2012, 25, 825-838.	2.6	20
9	The rkpU gene of Sinorhizobium fredii HH103 is required for bacterial K-antigen polysaccharide production and for efficient nodulation with soybean but not with cowpea. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overloc	2.4	40
10	Identification by NMR Spectroscopy of the Two Stereoisomers of the Platinum Complex [PtCl2(S-ahaz)] (S-ahaz = 3(S)-Aminohexahydroazepine) Bound to a DNA 14-mer Oligonucleotide. NMR Evidence of Structural Alteration of a Platinated AÂ·T-rich 14-mer DNA Duplex. Inorganic Chemistry, 2009, 48, 3047-3056.	4.0	9
11	Sinorhizobium fredii HH103 cgs Mutants Are Unable to Nodulate Determinate- and Indeterminate Noduleâ€"Forming Legumes and Overproduce an Altered EPS. Molecular Plant-Microbe Interactions, 2009, 22, 575-588.	2.6	34
12	Reactions of PtII diamine anticancer complexes with trypanothione and octreotide. Journal of Inorganic Biochemistry, 2006, 100, 1946-1954.	3.5	8
13	Laser Flash-Induced Kinetic Analysis of Cytochrome f Oxidation by Wild-Type and Mutant Plastocyanin from the Cyanobacterium Nostoc sp. PCC 7119. Biochemistry, 2005, 44, 11601-11607.	2.5	30
14	Novel Adducts of the Anticancer Drug Oxaliplatin with Glutathione and Redox Reactions with Glutathione Disulfide. European Journal of Inorganic Chemistry, 2003, 2003, 1206-1214.	2.0	51
15	Reactions of a Ruthenium(II) Arene Antitumor Complex with Cysteine and Methionine. Inorganic Chemistry, 2002, 41, 4509-4523.	4.0	117
16	An evolutionary analysis of the reaction mechanisms of photosystem I reduction by cytochrome c6 and plastocyanin. Bioelectrochemistry, 2002, 55, 41-45.	4.6	66
17	Five-coordinate aminophosphine platinum(II) complexes containing cysteine derivatives as ligands. Inorganica Chimica Acta, 2002, 335, 52-60.	2.4	13
18	Inhibition of Cancer Cell Growth by Ruthenium(II) Arene Complexes. Journal of Medicinal Chemistry, 2001, 44, 3616-3621.	6.4	725

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19	[1H, 15N] NMR Studies of the Platination of Phosphorothioate Nucleotides â^' Monofunctional Sulfur Adducts versus Macrochelation. European Journal of Inorganic Chemistry, 2001, 2001, 2743.	2.0	6
20	Sequence-Dependent Bending of DNA Induced by Cisplatin: NMR Structures of an Aâ‹…T-Rich 14-mer Duplex. Chemistry - A European Journal, 2000, 6, 3636-3644.	3.3	13
21	Sequence-Dependent Bending of DNA Induced by Cisplatin: NMR Structures of an Aâ‹…T-Rich 14-mer Duplex. Chemistry - A European Journal, 2000, 6, 3636-3644.	3.3	29
22	Kinetics of formation and stability of {Pt(dien)}2+ complexes with octamer and 14-mer DNA oligonucleotides containing a GG sequence. Journal of Biological Inorganic Chemistry, 1999, 4, 32-38.	2.6	19
23	A Novel Dinuclear Diaminoplatinum(II) Glutathione Macrochelate. Angewandte Chemie - International Edition, 1999, 38, 2949-2951.	13.8	48
24	Surprising Reactions of Iodo Pt(IV) and Pt(II) Complexes with Human Albumin:Â Detection of Cys34 Sulfenic Acid. Journal of the American Chemical Society, 1999, 121, 8193-8203.	13.7	50
25	Interconversion between S- and N-bound L-methionine adducts of Pt(dien)2+ (dienâ€…=â€…diethylenetriamine) via dien ring-opened intermediates. Journal of the Chemical Society Dalton Transactions, 1998, , 1503-1508.	1.1	30
26	Electron-Transfer-Driven Trans-Ligand Labilization:â€‰ A Novel Activation Mechanism for Pt(IV) Anticancer Complexes. Journal of the American Chemical Society, 1998, 120, 8253-8254.	13.7	57
27	Chelate-ring-opened adducts of [Pt(en)(Me-Mal-O,Oâ€²)] (enâ€…=â€…ethane-1,2-diamine,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf platinum anticancer agents. Journal of the Chemical Society Dalton Transactions, 1997, , 469-478.	1.1	22
28	Platination of A GG Site on Single-Stranded and Double-Stranded forms of A 14-Base Oligonucleotide with Diaqua Cisplatin followed by NMR and HPLC. Influence of the Platinum Ligands and Base Sequence on 5'-G Versus 3'-G Platination Selectivity. FEBS Journal, 1997, 249, 370-382.	0.2	68
29	Ring-Opened Adducts of the Anticancer Drug Carboplatin with Sulfur Amino Acids. Inorganic Chemistry, 1996, 35, 1065-1072.	4.0	171
30	NMR Spectroscopy of Platinum Drugs: From DNA to Body Fluids. , 1996, , 1-16.		1
31	DNA platination via S-bound Pt-methionine intermediates. Journal of Inorganic Biochemistry, 1995, 59, 151.	3.5	0
32	L-Methionine increases the rate of reaction of 5â€²-guanosine monophosphate with the anticancer drug cisplatin: mixed-ligand adducts and reversible methionine binding. Journal of the Chemical Society Dalton Transactions, 1995, , 3721-3726.	1.1	70
33	Intermolecular displacement of S-boundL-methionine on platinum(II) by guanosine 5â€²-monophosphate: implications for the mechanism of action of anticancer drugs. Journal of the Chemical Society Chemical Communications, 1994, , 721-722.	2.0	117
34	[Pt(CBDCA-O)(NH3)2(L-Methionine-S)]: Ring-Opened Adduct of the Anticancer Drug Carboplatin ("Paraplatin"). Detection of a Similar Complex in Urine by NMR Spectroscopy. Journal of the American Chemical Society, 1994, 116, 11175-11176.	13.7	51
35	Cis-trans isomerization of [bis(L-methioninato)platinum]: metabolite of the anticancer drug cisplatin. Inorganic Chemistry, 1993, 32, 2249-2255.	4.0	74