

# Piedad-del-Socorro Murdoch

## List of Publications by Year in descending order

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35  
papers

2,053  
citations

331670

21  
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395702

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35  
all docs

35  
docs citations

35  
times ranked

2186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibition of Cancer Cell Growth by Ruthenium(II) Arene Complexes. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 3616-3621.	6.4	725
2	Ring-Opened Adducts of the Anticancer Drug Carboplatin with Sulfur Amino Acids. <i>Inorganic Chemistry</i> , 1996, 35, 1065-1072.	4.0	171
3	Intermolecular displacement of S-bound L-methionine on platinum(II) by guanosine 5'-monophosphate: implications for the mechanism of action of anticancer drugs. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 721-722.	2.0	117
4	Reactions of a Ruthenium(II) Arene Antitumor Complex with Cysteine and Methionine. <i>Inorganic Chemistry</i> , 2002, 41, 4509-4523.	4.0	117
5	Cis-trans isomerization of [bis(L-methioninato)platinum]: metabolite of the anticancer drug cisplatin. <i>Inorganic Chemistry</i> , 1993, 32, 2249-2255.	4.0	74
6	L-Methionine increases the rate of reaction of 5'-guanosine monophosphate with the anticancer drug cisplatin: mixed-ligand adducts and reversible methionine binding. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 3721-3726.	1.1	70
7	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. <i>FEBS Journal</i> , 1997, 249, 370-382.	0.2	68
8	An evolutionary analysis of the reaction mechanisms of photosystem I reduction by cytochrome c6 and plastocyanin. <i>Bioelectrochemistry</i> , 2002, 55, 41-45.	4.6	66
9	Electron-Transfer-Driven Trans-Ligand Labilization: A Novel Activation Mechanism for Pt(IV) Anticancer Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 8253-8254.	13.7	57
10	[Pt(CBDCA-O)(NH <sub>3</sub> ) <sub>2</sub> (L-Methionine-S)]: Ring-Opened Adduct of the Anticancer Drug Carboplatin ("Paraplatin"). Detection of a Similar Complex in Urine by NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1994, 116, 11175-11176.	13.7	51
11	Novel Adducts of the Anticancer Drug Oxaliplatin with Glutathione and Redox Reactions with Glutathione Disulfide. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1206-1214.	2.0	51
12	Surprising Reactions of Iodo Pt(IV) and Pt(II) Complexes with Human Albumin: Detection of Cys34 Sulfenic Acid. <i>Journal of the American Chemical Society</i> , 1999, 121, 8193-8203.	13.7	50
13	A Novel Dinuclear Diaminoplatinum(II) Glutathione Macrochelate. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2949-2951.	13.8	48
14	Sinorhizobium fredii HH103 cgs Mutants Are Unable to Nodulate Determinate- and Indeterminate Nodule-Forming Legumes and Overproduce an Altered EPS. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 575-588.	2.6	34
15	Interconversion between S- and N-bound L-methionine adducts of Pt(dien) <sub>2</sub> <sup>2+</sup> (dien = 1,2,6-triethylpiperazine) via dien ring-opened intermediates. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1503-1508.	1.1	30
16	Laser Flash-Induced Kinetic Analysis of Cytochrome f Oxidation by Wild-Type and Mutant Plastocyanin from the Cyanobacterium Nostoc sp. PCC 7119. <i>Biochemistry</i> , 2005, 44, 11601-11607.	2.5	30
17	Sequence-Dependent Bending of DNA Induced by Cisplatin: NMR Structures of an A-T-Rich 14-mer Duplex. <i>Chemistry - A European Journal</i> , 2000, 6, 3636-3644.	3.3	29
18	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. <i>Microbiology (United Kingdom)</i> , 2004, 150, 1011-1021.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Exopolysaccharide Production by <i>Sinorhizobium fredii</i> HH103 Is Repressed by Genistein in a NodD1-Dependent Manner. <i>PLoS ONE</i> , 2016, 11, e0160499.	2.5	24
20	The <i>Sinorhizobium fredii</i> HH103 MucR1 Global Regulator Is Connected With the nod Regulon and Is Required for Efficient Symbiosis With <i>Lotus burttii</i> and <i>Glycine max</i> cv. Williams. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 700-712.	2.6	24
21	Chelate-ring-opened adducts of [Pt(en)(Me-Mal-O, O <sup>2-</sup> )] (en <sup>2+</sup> ...ethane-1,2-diamine,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 platinum anticancer agents. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 469-478.	1.1	22
22	Glutamine, MTOR and autophagy: a multiconnection relationship. <i>Autophagy</i> , 2022, 18, 2749-2750.	9.1	22
23	<i>Sinorhizobium fredii</i> HH103 <i>rkp-3</i> Genes Are Required for K-Antigen Polysaccharide Biosynthesis, Affect Lipopolysaccharide Structure and Are Essential for Infection of Legumes Forming Determinate Nodules. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 825-838.	2.6	20
24	Developmental Defects in a <i>Caenorhabditis elegans</i> Model for Type III Galactosemia. <i>Genetics</i> , 2014, 198, 1559-1569.	2.9	20
25	Kinetics of formation and stability of {Pt(dien)} <sup>2+</sup> complexes with octamer and 14-mer DNA oligonucleotides containing a GG sequence. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 32-38.	2.6	19
26	Two parallel pathways connect glutamine metabolism and mTORC1 activity to regulate glutamoptosis. <i>Nature Communications</i> , 2021, 12, 4814.	12.8	19
27	Downregulation of Glutamine Synthetase, not glutaminolysis, is responsible for glutamine addiction in Notch1-driven acute lymphoblastic leukemia. <i>Molecular Oncology</i> , 2021, 15, 1412-1431.	4.6	16
28	Sequence-Dependent Bending of DNA Induced by Cisplatin: NMR Structures of an A...T-Rich 14-mer Duplex. <i>Chemistry - A European Journal</i> , 2000, 6, 3636-3644.	3.3	13
29	Five-coordinate aminophosphine platinum(II) complexes containing cysteine derivatives as ligands. <i>Inorganica Chimica Acta</i> , 2002, 335, 52-60.	2.4	13
30	Identification by NMR Spectroscopy of the Two Stereoisomers of the Platinum Complex [PtCl <sub>2</sub> (S-ahaz)] (S-ahaz = 3(S)-Aminohexahydroazepine) Bound to a DNA 14-mer Oligonucleotide. NMR Evidence of Structural Alteration of a Platinated A...T-rich 14-mer DNA Duplex. <i>Inorganic Chemistry</i> , 2009, 48, 3047-3056.	4.0	9
31	Reactions of Pt(II) diamine anticancer complexes with trypanothione and octreotide. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1946-1954.	3.5	8
32	[ <sup>1</sup> H, <sup>15</sup> N] NMR Studies of the Platination of Phosphorothioate Nucleotides <sup>2-</sup> Monofunctional Sulfur Adducts versus Macrochelation. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2743.	2.0	6
33	The <i>Sinorhizobium</i> ( <i>Ensifer</i> ) <i>fredii</i> HH103 <i>rkp-2</i> region is involved in the biosynthesis of lipopolysaccharide and exopolysaccharide but not in K-antigen polysaccharide production. <i>Plant and Soil</i> , 2017, 417, 415-431.	3.7	5
34	NMR Spectroscopy of Platinum Drugs: From DNA to Body Fluids. , 1996, , 1-16.		1
35	DNA platination via S-bound Pt-methionine intermediates. <i>Journal of Inorganic Biochemistry</i> , 1995, 59, 151.	3.5	0