M Helena Garcia

List of Publications by Year
in descending order

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95 papers	2,272 citations	159358 30 h-index	288905 40 g-index
97 all docs	97 docs citations	97 times ranked	2125 citing authors

#	Article	IF	Citations
1	Biotinylated Polymer-Ruthenium Conjugates: In Vitro and In Vivo Studies in a Triple-Negative Breast Cancer Model. Pharmaceutics, 2022, 14, 1388.	2.0	9
2	Design and Anticancer Properties of New Water-Soluble Rutheniumâ€“Cyclopentadienyl Complexes. Pharmaceuticals, 2022, 15, 862.	1.7	7
3	Cu(<scp>i</scp>) complexes as new antiproliferative agents against sensitive and doxorubicin resistant colorectal cancer cells: synthesis, characterization, and mechanisms of action. Dalton Transactions, 2021, 50, 1845-1865.	1.6	14
4	Ruthenium and iron metallodrugs: new inorganic and organometallic complexes as prospective anticancer agents. , 2021, , 223-276.		4
5	Binding of RuCp complexes with human apo-transferrin: fluorescence spectroscopy and molecular docking methods. BioMetals, 2021, 34, 1029-1042.	1.8	6
6	Unprecedented collateral sensitivity for cisplatin-resistant lung cancer cells presented by new ruthenium organometallic compounds. Inorganic Chemistry Frontiers, 2021, 8, 1983-1996.	3.0	20
7	New copper(<scp>i</scp>) complexes selective for prostate cancer cells. Dalton Transactions, 2020, 49, 12273-12286.	1.6	9
8	Ruthenium carboranyl complexes with 2,2â€²-bipyridine derivatives for potential bimodal therapy application. RSC Advances, 2020, 10, 16266-16276.	1.7	14
9	A New Family of Iron(II)-Cyclopentadienyl Compounds Shows Strong Activity against Colorectal and Triple Negative Breast Cancer Cells. Molecules, 2020, 25, 1592.	1.7	20
10	Novel â€œruthenium cyclopentadienylâ€â€“peptide conjugate complexes against human FGFR(+) breast cancer. Dalton Transactions, 2020, 49, 5974-5987.	1.6	9
11	First heterobimetallic Cu(<scp>i</scp>)â€“dppf complexes designed for anticancer applications: synthesis, structural characterization and cytotoxicity. New Journal of Chemistry, 2019, 43, 12308-12317.	1.4	15
12	Experimental data on novel Fe(III)-complexes containing phenanthroline derivatives for their anticancer properties. Data in Brief, 2019, 27, 104548.	0.5	2
13	Rutheniumâ€“Cyclopentadienyl Bipyridineâ€“Biotin Based Compounds: Synthesis and Biological Effect. Inorganic Chemistry, 2019, 58, 9135-9149.	1.9	31
14	May iron(III) complexes containing phenanthroline derivatives as ligands be prospective anticancer agents?. European Journal of Medicinal Chemistry, 2019, 176, 492-512.	2.6	35
15	Polymer â€œruthenium-cyclopentadienylâ€•conjugates - New emerging anti-cancer drugs. European Journal of Medicinal Chemistry, 2019, 168, 373-384.	2.6	26
16	Unprecedented inhibition of P-gp activity by a novel ruthenium-cyclopentadienyl compound bearing a bipyridine-biotin ligand. European Journal of Medicinal Chemistry, 2019, 163, 853-863.	2.6	39
17	Methyl-cyclopentadienyl Ruthenium Compounds with 2,2â€²-Bipyridine Derivatives Display Strong Anticancer Activity and Multidrug Resistance Potential. Inorganic Chemistry, 2018, 57, 4629-4639.	1.9	36
18	Novel ruthenium methylcyclopentadienyl complex bearing a bipyridine perfluorinated ligand shows strong activity towards colorectal cancer cells. European Journal of Medicinal Chemistry, 2018, 143, 503-514.	2.6	22

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19	Important cytotoxic and cytostatic effects of new copper(<scp>i</scp>)â€“phosphane compounds with N,N, N,O and N,S bidentate ligands. Dalton Transactions, 2018, 47, 7819-7829.	1.6	22
20	New copper(I) and heteronuclear copper(I)â€“ruthenium(II) complexes: Synthesis, structural characterization and cytotoxicity. Journal of Inorganic Biochemistry, 2017, 169, 68-78.	1.5	39
21	Studies on the mechanism of action of antitumor bis(aminophenolate) ruthenium(III) complexes. Journal of Inorganic Biochemistry, 2017, 168, 27-37.	1.5	23
22	New iron cyclopentadienyl complexes bearing different phosphane co-ligands: Structural factors vs. cytotoxicity. Journal of Organometallic Chemistry, 2017, 852, 34-42.	0.8	22
23	Tracking antitumor metallodrugs: promising agents with the Ru(II)- and Fe(II)-cyclopentadienyl scaffolds. Future Medicinal Chemistry, 2016, 8, 527-544.	1.1	53
24	Î·6-(2-phenoxyethanol) ruthenium(II)-complexes of 2,2â€²-bipyridine and its derivatives: Solution speciation and kinetic behaviour. Journal of Organometallic Chemistry, 2016, 820, 20-29.	0.8	3
25	Ultrastructural Studies of the Cellular Effects of Antitumoral Compounds. Microscopy and Microanalysis, 2015, 21, 57-58.	0.2	0
26	Design and synthesis of NLO efficient organometallic molecules. , 2015, , .		0
27	Novel ruthenium(II) cyclopentadienyl thiosemicarbazone compounds with antiproliferative activity on pathogenic trypanosomatid parasites. Journal of Inorganic Biochemistry, 2015, 153, 306-314.	1.5	35
28	A new ruthenium cyclopentadienyl azole compound with activity on tumor cell lines and trypanosomatid parasites. Journal of Coordination Chemistry, 2015, 68, 2923-2937.	0.8	37
29	The key role of coligands in novel ruthenium(II)-cyclopentadienyl bipyridine derivatives: Ranging from non-cytotoxic to highly cytotoxic compounds. Journal of Inorganic Biochemistry, 2015, 150, 148-159.	1.5	36
30	Syntheses of Macromolecular Ruthenium Compounds: A New Approach for the Search of Anticancer Drugs. Inorganics, 2014, 2, 96-114.	1.2	26
31	Anticancer activity of structurally related ruthenium(II) cyclopentadienyl complexes. Journal of Biological Inorganic Chemistry, 2014, 19, 853-867.	1.1	52
32	New iron(II) cyclopentadienyl derivative complexes: Synthesis and antitumor activity against human leukemia cancer cells. Journal of Organometallic Chemistry, 2014, 756, 52-60.	0.8	21
33	New water-soluble ruthenium(II) cytotoxic complex: Biological activity and cellular distribution. Journal of Inorganic Biochemistry, 2014, 130, 1-14.	1.5	54
34	Mono(Î·5-cyclopentadienyl)metal(II) Complexes with Thienyl Acetylide Chromophores: Synthesis, Electrochemical Studies, and First Hyperpolarizabilities. Organometallics, 2014, 33, 4655-4671.	1.1	18
35	Synthesis, structural characterization and leishmanicidal activity evaluation of ferrocenyl N-heterocyclic compounds. Journal of Organometallic Chemistry, 2013, 745-746, 299-311.	0.8	16
36	First polymer â€œruthenium-cyclopentadienylâ€•complex as potential anticancer agent. Journal of Inorganic Biochemistry, 2013, 127, 79-81.	1.5	48

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37	Important cytotoxicity of novel iron(II) cyclopentadienyl complexes with imidazole based ligands. Journal of Inorganic Biochemistry, 2013, 129, 1-8.	1.5	32
38	Exploring the effect of the ligand design on the interactions between [Ru(Î·5-C5H5)(PPh3)(N,O)][CF3SO3] complexes and human serum albumin. Journal of Inorganic Biochemistry, 2013, 129, 94-101.	1.5	20
39	A novel VIVOâ€“pyrimidinone complex: synthesis, solution speciation and human serum protein binding. Dalton Transactions, 2013, 42, 11841.	1.6	38
40	Biological activity and cellular uptake of [Ru(Î·5-C5H5)(PPh3)(Me2bpy)][CF3SO3] complex. Journal of Inorganic Biochemistry, 2013, 122, 8-17.	1.5	38
41	New polydentate Ru(III)-Salan complexes: Synthesis, characterization, anti-tumour activity and interaction with human serum proteins. Inorganica Chimica Acta, 2013, 394, 616-626.	1.2	31
42	Synthesis of new Fe(II) and Ru(II) Î·5-monocyclopentadienyl compounds showing significant second order NLO properties. Journal of Organometallic Chemistry, 2013, 736, 42-49.	0.8	4
43	Cellular Uptake Mechanisms of an Antitumor Ruthenium Compound: The Endosomal/Lysosomal System as a Target for Anticancer Metal-Based Drugs. Microscopy and Microanalysis, 2013, 19, 1122-1130.	0.2	35
44	Benzo[c]thiophene Chromophores Linked to Cationic Fe and Ru Derivatives for NLO Materials: Synthesis Characterization and Quadratic Hyperpolarizabilities. European Journal of Inorganic Chemistry, 2013, 2013, 3506-3517.	1.0	9
45	[RuII(Î·5-C5H5)(bipy)(PPh3)]+, a promising large spectrum antitumor agent: Cytotoxic activity and interaction with human serum albumin. Journal of Inorganic Biochemistry, 2012, 117, 261-269.	1.5	72
46	Amplification of the linear and nonlinear optical response of a chiral molecular crystal. Journal of Chemical Physics, 2012, 136, 134501.	1.2	18
47	Synthesis and structural characterization of new piano-stool ruthenium(II) complexes bearing 1-butylimidazole heteroaromatic ligand. Journal of Organometallic Chemistry, 2012, 713, 112-122.	0.8	3
48	Switchable Nonlinear Optical Properties of Î·⁵-Monocyclopentadienylmetal Complexes: A DFT Approach. Journal of Chemical Information and Modeling, 2012, 52, 1970-1983.	2.5	20
49	Synthesis of organometallic ruthenium(II) complexes with strong activity against several human cancer cell lines. Journal of Inorganic Biochemistry, 2012, 114, 65-74.	1.5	49
50	Gasâ€phase behaviour of Ru(II) cyclopentadienylâ€derived complexes with Nâ€coordinated ligands by electrospray ionization mass spectrometry: fragmentation pathways and energetics. Rapid Communications in Mass Spectrometry, 2012, 26, 1675-1686.	0.7	14
51	Polymerization of É›-caprolactone using ruthenium(II) mixed metallocene catalysts and isopropyl alcohol: Living character and mechanistic study. Journal of Molecular Catalysis A, 2011, 346, 102-110.	4.8	9
52	DNA interaction and cytotoxicity studies of new ruthenium(II) cyclopentadienyl derivative complexes containing heteroaromatic ligands. Journal of Inorganic Biochemistry, 2011, 105, 241-249.	1.5	83
53	New ruthenium(II) mixed metallocene derived complexes: Synthesis, characterization by X-ray diffraction and evaluation on DNA interaction by atomic force microscopy. Inorganica Chimica Acta, 2010, 363, 3765-3775.	1.2	28
54	Studies of the Antiproliferative Activity of Ruthenium (II) Cyclopentadienyl-Derived Complexes with Nitrogen Coordinated Ligands. Bioinorganic Chemistry and Applications, 2010, 2010, 1-11.	1.8	35

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55	Crystal Structure and Experimental and Theoretical Studies of the Second-Order Nonlinear Optical Properties of Salts of Triphenylguanidine with Carboxylic Acids. Journal of Physical Chemistry A, 2010, 114, 2607-2617.	1.1	22
56	Inhibition of cancer cell growth by ruthenium(II) cyclopentadienyl derivative complexes with heteroaromatic ligands. Journal of Inorganic Biochemistry, 2009, 103, 354-361.	1.5	71
57	Synthesis and structural characterization of silver(I) complexes with moon-shaped benzo[1,2-b;4,3-bâ€²]dithiophene phosphine derivative ligands. Polyhedron, 2009, 28, 239-244.	1.0	3
58	New organometallic Ru(II) and Fe(II) complexes with tetrathia-[7]-helicene derivative ligands. Polyhedron, 2009, 28, 621-629.	1.0	24
59	Synthesis and structural characterization of ruthenium(II) and iron(II) complexes containing 1,2-di-(2-thienyl)-ethene derived ligands as chromophores. Journal of Organometallic Chemistry, 2009, 694, 433-445.	0.8	18
60	Synthesis and electrochemical studies of Î·5-monocyclopentadienylruthenium(II) complexes with substituted thiophene nitrile ligands. Crystal structure of [Ru(Î·5-C5H5)(dppe)(NC{SC4H2}2NO2)][PF6]. Journal of Organometallic Chemistry, 2009, 694, 2888-2897.	0.8	9
61	Synthesis of organometallic Ru(II) and Fe(II) complexes containing fused rings hemi-helical ligands as chromophores. Evaluation of non-linear optical properties by HRS. Journal of Organometallic Chemistry, 2008, 693, 2987-2999.	0.8	13
62	Compromise between conjugation length and charge-transfer in nonlinear optical Î·5-monocyclopentadienyliron(II) complexes with substituted oligo-thiophene nitrile ligands: Synthesis, electrochemical studies and first hyperpolarizabilities. Journal of Organometallic Chemistry, 2007, 692, 3027-3041.	0.8	23
63	The effect of counter-ions on the supramolecular arrangement of (benzonitrile)[1,2-bis(diphenylphosphino)ethane](Î·5-cyclopentadienyl)iron(II) cations. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, m531-m534.	0.4	0
64	Polar Cofacially Fixed Sandwich Complexes: Do They Demonstrate Second Harmonic Generation (SHG)?. European Journal of Inorganic Chemistry, 2006, 2006, 857-867.	1.0	12
65	Synthesis, Characterisation and Molecular Hyperpolarisabilities of Pseudo-Octahedral Hydrido(nitrile)iron(II) Complexes for Nonlinear Optics: X-ray Structure of [Fe(H)(dppe)2(4-NCC6H4NO2)][PF6]Â·CH2Cl2. European Journal of Inorganic Chemistry, 2006, 2006, 2175-2185.	1.0	16
66	Synthesis, characterization and crystal structure of the bimetallic cyano-bridged [(Î·5-C5H5)(PPh3)2Ru(Î¼-CN)Ru(PPh3)2(Î·5-C5H5)][PF6]. Inorganica Chimica Acta, 2005, 358, 2482-2488.	1.2	18
67	Density functional theory calculations on Î·5-monocyclopentadienylnitrilecobalt complexes concerning their second-order nonlinear optical properties. Computational and Theoretical Chemistry, 2005, 729, 109-113.	1.5	41
68	Synthesis and electrochemical studies of organometallic cobalt(III) complexes with substituted benzonitrile chromophores: NMR spectroscopic data as a probe on the second-order non-linear optical properties. Journal of Organometallic Chemistry, 2005, 690, 4063-4071.	0.8	12
69	A supramolecular zigzag chain of organometallic dipoles mediated by PF6â^anions. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, m386-m389.	0.4	4
70	High first hyperpolarizability and perfectly aligned crystal packing for an organometallic compound [Fe(Î·5-C5H5)((R)â€“PROPHOS)(p-NCC6H4NO2)][PF6]Â·CH2Cl2. Chemical Physics Letters, 2003, 367, 390-397.	1.2	24
71	Synthesis and Nonlinear Optical Properties of Î·5-Monocyclopentadienyliron(II) Acetylide Derivatives. X-ray Crystal Structures of [Fe(Î·5-C5H5)(DPPE)(p-Câ‹®CC6H4NO2)] and [Fe(Î·5-C5H5)(DPPE)((E)-p-Câ‹®CC6H4C(H)C(H)C6H4NO2)]. Organometallics, 2002, 21, 2107-2118.	1.1	56
72	Chiral organometallic chromophores for nonlinear optics derived from [Fe2(Î·5-C5H5)2(CO)2(Î¼-CO)(Î¼-Cî—¸CH3)]+ [BF4]â^'. Journal of Organometallic Chemistry, 2002, 655, 70-88.	0.8	19

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73	Synthesis, structure and nonlinear optical properties of some chiral chromophores derived from l-proline. Tetrahedron Letters, 2002, 43, 8375-8378.	0.7	10
74	Design and characterization of organic and organometallic molecules for second order nonlinear optics. , 2001, , 127-191.		42
75	Organometallic complexes for second-order non-linear optics: synthesis and molecular quadratic hyperpolarizabilities of Î·5-monocyclopentadienyliron(II) nitrile derivatives with different phosphines. X-ray crystal structure of [FeCp(DPPE)(p-NCC6H4NO2)][PF6]Â·CH2Cl2. Journal of Organometallic Chemistry, 2001, 619, 252-264.	0.8	40
76	Synthesis and crystal structure of the novel trimanganese tetrathiolate incomplete cubane: [Mo(Î·5-C5H5)2(H)CO][Mn3(CO)9(Î¼-SC6H5)4]. Journal of Organometallic Chemistry, 2001, 620, 276-281.	0.8	8
77	New studies on the chemical oxidation of (bisÎ·5-cyclopentadienyl)dithiolatemolybdenum(IV) complexes. 2001, 632, 107-112.	0.8	7
78	Synthesis of new donor/acceptor Î·5-cyclopentadienyl and Î·5-indenyliron(II) complexes with p-benzonitrile derivatives. Crystal structures of [Fe(Î·5-C5H5)(CO)(P(OC6H5)3)(p-NCC6H4NO2)][BF4]Â·CH2Cl2 and [Fe(Î·5-C9H7)(CO)(P(OC6H5)3)(p-NCC6H4NO2)][BF4]. Journal of Organometallic Chemistry, 2001, 632, 145-156.	0.8	11
79	Second harmonic generation of Î·5-monocyclopentadienyl ruthenium p-benzonitrile derivatives by Kurtz powder technique. Crystal and molecular structure determinations of [Ru(Î·5-C5H5)((+)-DIOP)(p-NCC6H4NO2)][X], X=PF6â¯, CF3SO3â¯ and [Ru(Î·5-C5H5)((+)-DIOP)(NCCH3)][PF6]. Journal of Organometallic Chemistry, 2001, 632, 133-144.	0.8	28
80	Biscyclopentadienyl Group 6 metal complexes as metalloligands in the synthesis of heterobimetallic species. Crystal structures of new thiolato-bridged molybdenum(IV)â€“copper(I) complexes. Journal of Organometallic Chemistry, 2001, 632, 75-84.	0.8	13
81	Title is missing!. Russian Journal of Organic Chemistry, 2001, 37, 620-623.	0.3	12
82	Organometallic nickel(II) complexes with substituted benzonitrile ligands. Synthesis, electrochemical studies and non-linear optical properties. The X-ray crystal structure of [Ni(Î·5-C5H5){P(C6H5)3}(NCC6H4NH2)][PF6]. Journal of Organometallic Chemistry, 1998, 553, 115-128.	0.8	16
83	Hyper-Rayleigh scattering study of Î·5-monocyclopentadienylâ€“metal complexes for second order non-linear optical materials. Journal of Materials Chemistry, 1998, 8, 925-930.	6.7	56
84	Uracil and thiouracil complexes of dicyclopentadienyl molybdenum and tungsten: Preparation and electrochemistry. The structures of [M(Î·5-C5H5)2(2-SN2OC4H3)][PF6], [M(Î·5-C5H5)2{2-S(CH3)N2OC4H2}][PF6], [Mo(Î·5-C5H5)2 (4-SN2OC4H3)][PF6] and [Mo(Î·5-C5H5)2{4-S(CH3)N2OC4H2}][PF6] (M î—» Mo and W). Polyhedron, 1995, 14, 675-685.	1.0	10
85	Synthesis and characterization of Î·5-monocyclopentadienyl (p-nitrobenzonitrile)ruthenium(II) salts: Second harmonic generation powder efficiencies. Journal of Organometallic Chemistry, 1994, 475, 241-245.	0.8	38
86	Indium(III) thiolate-bridged molybdenocene complexes: crystal structure of [InCl2MoCp2(Î¼-SEt)22][BPh4] Â· (CH3)2CO. Journal of Organometallic Chemistry, 1994, 466, 159-165.	0.8	7
87	Synthesis, characterization and bonding of fulvalene dimolybdenum(III) and ditungsten(III) cations with one thiolate bridging ligand. Crystal structure of [Mo2(Î¼-Î·5: Î·5-C10H8)(Î¼-SC6H5)(Î¼5-C5H5)2][Re2(Î¼-SC6H5)3(CO)6]. Journal of Organometallic Chemistry, 1993, 453, 231-240.	0.8	13
88	Organometallic compounds for non-linear optics: Synthesis, reactivity and electrochemistry of chiral Î·5-monocyclopentadienyl(nitrile)iron complexes. Journal of Organometallic Chemistry, 1993, 453, 241-247.	0.8	38
89	Second-order non-linear optical properties of diironalkenylidyne complexes; crystal structure of {(Î·-C5H5)2Fe2(CO)2(Î¼-CO)(Î¼-(E)î—¸Cî—¸CHî—»CHî—¸C6H4î—¸(p)-NMe2)}+BF4â¯. Polyhedron, 1992, 11, 1429-1435.	1.9	41
90	Syntheses, electrochemistry, and bonding of bis(cyclopentadienyl)molybdenum alkyl complexes. Molecular structure of Mo(.eta.5-C5H5)2(C4H9)2. Thermochemistry of Mo(.eta.5-C5H5)2R2 and Mo(.eta.5-C5H5)2L (R = CH3, C2H5, C4H9; L = ethylene, diphenylacetylene). Organometallics, 1991, 10, 483-494.	1.1	23

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91	Mercaptopyridine complexes of dicyclopentadienylmolybdenum and -tungsten: Preparation and electrochemistry. The structure of [Mo(Î·5-C5H5)2(2-SNC5H4)][PF6]. Polyhedron, 1989, 8, 2439-2447.	1.0	9
92	Electrochemistry of New Molybdenocene Dihydrocarbyls. , 1989, , 275-281.		0
93	The X-ray crystal structure of di-Î·5-cyclopentadienylthiophenolatoamminemolybdenum(IV)		