

M Helena Garcia

List of Publications by Year in descending order

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159358

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docs citations

97
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA interaction and cytotoxicity studies of new ruthenium(II) cyclopentadienyl derivative complexes containing heteroaromatic ligands. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 241-249.	1.5	83
2	[Ru(η ⁵ -C ₅ H ₅)(bipy)(PPh ₃)] ⁺ , a promising large spectrum antitumor agent: Cytotoxic activity and interaction with human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 261-269.	1.5	72
3	Inhibition of cancer cell growth by ruthenium(II) cyclopentadienyl derivative complexes with heteroaromatic ligands. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 354-361.	1.5	71
4	Oxidative electrochemistry of compounds of the type (η ⁵ -C ₅ H ₅) ₂ MX ₂ where M = Ti(IV), Mo(IV), and W(IV) and X = halide, thiolate, or ferrocenyl. <i>Organometallics</i> , 1983, 2, 68-79.	1.1	58
5	Hyper-Rayleigh scattering study of η ⁵ -monocyclopentadienyl metal complexes for second order non-linear optical materials. <i>Journal of Materials Chemistry</i> , 1998, 8, 925-930.	6.7	56
6	Synthesis and Nonlinear Optical Properties of η ⁵ -Monocyclopentadienyliron(II) Acetylide Derivatives. X-ray Crystal Structures of [Fe(η ⁵ -C ₅ H ₅)(DPPE)(p-C ₆ H ₄ NO ₂)] and [Fe(η ⁵ -C ₅ H ₅)(DPPE)((E)-p-C ₆ H ₄ C(H)C(H)C ₆ H ₄ NO ₂)]. <i>Organometallics</i> , 2002, 21, 2107-2118.	1.1	56
7	New water-soluble ruthenium(II) cytotoxic complex: Biological activity and cellular distribution. <i>Journal of Inorganic Biochemistry</i> , 2014, 130, 1-14.	1.5	54
8	Tracking antitumor metallodrugs: promising agents with the Ru(II)- and Fe(II)-cyclopentadienyl scaffolds. <i>Future Medicinal Chemistry</i> , 2016, 8, 527-544.	1.1	53
9	Anticancer activity of structurally related ruthenium(II) cyclopentadienyl complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 853-867.	1.1	52
10	Synthesis of organometallic ruthenium(II) complexes with strong activity against several human cancer cell lines. <i>Journal of Inorganic Biochemistry</i> , 2012, 114, 65-74.	1.5	49
11	First polymer ruthenium-cyclopentadienyl complex as potential anticancer agent. <i>Journal of Inorganic Biochemistry</i> , 2013, 127, 79-81.	1.5	48
12	Design and characterization of organic and organometallic molecules for second order nonlinear optics. , 2001, , 127-191.		42
13	Second-order non-linear optical properties of diironalkenylidyne complexes; crystal structure of {(η ⁵ -C ₅ H ₅) ₂ Fe ₂ (CO) ₂ (η ^{1/2} -CO)(η ^{1/4} -(E)-C ₁ H ₁ -CH ₁ -C ₆ H ₄ -(p)-NMe ₂)} ⁺ BF ₄ ⁻ . <i>Polyhedron</i> , 1992, 11, 1429-1435.	1.0	41
14	Density functional theory calculations on η ⁵ -monocyclopentadienyl nitrilecobalt complexes concerning their second-order nonlinear optical properties. <i>Computational and Theoretical Chemistry</i> , 2005, 729, 109-113.	1.5	41
15	Organometallic complexes for second-order non-linear optics: synthesis and molecular quadratic hyperpolarizabilities of η ⁵ -monocyclopentadienyliron(II) nitrile derivatives with different phosphines. X-ray crystal structure of [FeCp(DPPE)(p-NCC ₆ H ₄ NO ₂)] [PF ₆] ⁻ ·CH ₂ Cl ₂ . <i>Journal of Organometallic Chemistry</i> , 2001, 619, 252-264.	0.8	40
16	New copper(I) and heteronuclear copper(I) ruthenium(II) complexes: Synthesis, structural characterization and cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2017, 169, 68-78.	1.5	39
17	Unprecedented inhibition of P-gp activity by a novel ruthenium-cyclopentadienyl compound bearing a bipyridine-biotin ligand. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 853-863.	2.6	39
18	Organometallic compounds for non-linear optics: Synthesis, reactivity and electrochemistry of chiral η ⁵ -monocyclopentadienyl(nitrile)iron complexes. <i>Journal of Organometallic Chemistry</i> , 1993, 453, 241-247.	0.8	38

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19	Synthesis and characterization of η^5 -monocyclopentadienyl (p-nitrobenzotrile)ruthenium(II) salts: Second harmonic generation powder efficiencies. <i>Journal of Organometallic Chemistry</i> , 1994, 475, 241-245.	0.8	38
20	A novel VIVO η^5 -pyrimidinone complex: synthesis, solution speciation and human serum protein binding. <i>Dalton Transactions</i> , 2013, 42, 11841.	1.6	38
21	Biological activity and cellular uptake of $[\text{Ru}(\eta^5\text{-C}_5\text{H}_5)(\text{PPh}_3)(\text{Me}_2\text{bpy})][\text{CF}_3\text{SO}_3]$ complex. <i>Journal of Inorganic Biochemistry</i> , 2013, 122, 8-17.	1.5	38
22	A new ruthenium cyclopentadienyl azole compound with activity on tumor cell lines and trypanosomatid parasites. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2923-2937.	0.8	37
23	The key role of coligands in novel ruthenium(II)-cyclopentadienyl bipyridine derivatives: Ranging from non-cytotoxic to highly cytotoxic compounds. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 148-159.	1.5	36
24	Methyl-cyclopentadienyl Ruthenium Compounds with 2,2'-Bipyridine Derivatives Display Strong Anticancer Activity and Multidrug Resistance Potential. <i>Inorganic Chemistry</i> , 2018, 57, 4629-4639.	1.9	36
25	Studies of the Antiproliferative Activity of Ruthenium (II) Cyclopentadienyl-Derived Complexes with Nitrogen Coordinated Ligands. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-11.	1.8	35
26	Cellular Uptake Mechanisms of an Antitumor Ruthenium Compound: The Endosomal/Lysosomal System as a Target for Anticancer Metal-Based Drugs. <i>Microscopy and Microanalysis</i> , 2013, 19, 1122-1130.	0.2	35
27	Novel ruthenium(II) cyclopentadienyl thiosemicarbazone compounds with antiproliferative activity on pathogenic trypanosomatid parasites. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 306-314.	1.5	35
28	May iron(III) complexes containing phenanthroline derivatives as ligands be prospective anticancer agents?. <i>European Journal of Medicinal Chemistry</i> , 2019, 176, 492-512.	2.6	35
29	Important cytotoxicity of novel iron(II) cyclopentadienyl complexes with imidazole based ligands. <i>Journal of Inorganic Biochemistry</i> , 2013, 129, 1-8.	1.5	32
30	New polydentate Ru(III)-Salan complexes: Synthesis, characterization, anti-tumour activity and interaction with human serum proteins. <i>Inorganica Chimica Acta</i> , 2013, 394, 616-626.	1.2	31
31	Ruthenium η^5 -Cyclopentadienyl Bipyridine η^5 -Biotin Based Compounds: Synthesis and Biological Effect. <i>Inorganic Chemistry</i> , 2019, 58, 9135-9149.	1.9	31
32	Nitrile complexes of dicyclopentadienyl-molybdenum and -tungsten: preparation and reactivity. The structure of di- η^5 -cyclopentadienyliodoacetoneitrile-molybdenum(IV) hexafluorophosphate, $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2(\text{NCCH}_3)][\text{PF}_6]$. <i>Journal of Organometallic Chemistry</i> , 1987, 320, 63-81.	0.8	30
33	Second harmonic generation of η^5 -monocyclopentadienyl ruthenium p-benzonitrile derivatives by Kurtz powder technique. Crystal and molecular structure determinations of $[\text{Ru}(\eta^5\text{-C}_5\text{H}_5)((+)\text{-DIOP})(\text{p-NCC}_6\text{H}_4\text{NO}_2)][\text{X}]$, $\text{X}=\text{PF}_6^-$, CF_3SO_3^- and $[\text{Ru}(\eta^5\text{-C}_5\text{H}_5)((+)\text{-DIOP})(\text{NCCH}_3)][\text{PF}_6]$. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 133-144.	0.8	28
34	New ruthenium(II) mixed metallocene derived complexes: Synthesis, characterization by X-ray diffraction and evaluation on DNA interaction by atomic force microscopy. <i>Inorganica Chimica Acta</i> , 2010, 363, 3765-3775.	1.2	28
35	Syntheses of Macromolecular Ruthenium Compounds: A New Approach for the Search of Anticancer Drugs. <i>Inorganics</i> , 2014, 2, 96-114.	1.2	26
36	Polymer η^5 -ruthenium-cyclopentadienyl η^5 -conjugates - New emerging anti-cancer drugs. <i>European Journal of Medicinal Chemistry</i> , 2019, 168, 373-384.	2.6	26

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37	High first hyperpolarizability and perfectly aligned crystal packing for an organometallic compound [Fe(η^5 -C ₅ H ₅)(R)â€“(PROPHOS)(p-NCC ₆ H ₄ NO ₂)] [PF ₆] ⁻ CH ₂ Cl ₂ . <i>Chemical Physics Letters</i> , 2003, 367, 390-397.	1.2	24
38	New organometallic Ru(II) and Fe(II) complexes with tetrathia-[7]-helicene derivative ligands. <i>Polyhedron</i> , 2009, 28, 621-629.	1.0	24
39	Syntheses, electrochemistry, and bonding of bis(cyclopentadienyl)molybdenum alkyl complexes. Molecular structure of Mo(η^5 -C ₅ H ₅) ₂ (C ₄ H ₉) ₂ . Thermochemistry of Mo(η^5 -C ₅ H ₅) ₂ R ₂ and Mo(η^5 -C ₅ H ₅) ₂ L (R = CH ₃ , C ₂ H ₅ , C ₄ H ₉ ; L = ethylene, diphenylacetylene). <i>Organometallics</i> , 1991, 10, 483-494.	1.1	23
40	Compromise between conjugation length and charge-transfer in nonlinear optical η^5 -monocyclopentadienyliron(II) complexes with substituted oligo-thiophene nitrile ligands: Synthesis, electrochemical studies and first hyperpolarizabilities. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3027-3041.	0.8	23
41	Studies on the mechanism of action of antitumor bis(aminophenolate) ruthenium(III) complexes. <i>Journal of Inorganic Biochemistry</i> , 2017, 168, 27-37.	1.5	23
42	Crystal Structure and Experimental and Theoretical Studies of the Second-Order Nonlinear Optical Properties of Salts of Triphenylguanidine with Carboxylic Acids. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2607-2617.	1.1	22
43	New iron cyclopentadienyl complexes bearing different phosphane co-ligands: Structural factors vs. cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2017, 852, 34-42.	0.8	22
44	Novel ruthenium methylcyclopentadienyl complex bearing a bipyridine perfluorinated ligand shows strong activity towards colorectal cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 503-514.	2.6	22
45	Important cytotoxic and cytostatic effects of new copper(η^5 -C ₅ H ₅)â€“(phosphane) compounds with N,N, N,O and N,S bidentate ligands. <i>Dalton Transactions</i> , 2018, 47, 7819-7829.	1.6	22
46	New iron(II) cyclopentadienyl derivative complexes: Synthesis and antitumor activity against human leukemia cancer cells. <i>Journal of Organometallic Chemistry</i> , 2014, 756, 52-60.	0.8	21
47	Switchable Nonlinear Optical Properties of η^5 -Monocyclopentadienylmetal Complexes: A DFT Approach. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 1970-1983.	2.5	20
48	Exploring the effect of the ligand design on the interactions between [Ru(η^5 -C ₅ H ₅)(PPh ₃)(N,O)] [CF ₃ SO ₃] ⁻ complexes and human serum albumin. <i>Journal of Inorganic Biochemistry</i> , 2013, 129, 94-101.	1.5	20
49	A New Family of Iron(II)-Cyclopentadienyl Compounds Shows Strong Activity against Colorectal and Triple Negative Breast Cancer Cells. <i>Molecules</i> , 2020, 25, 1592.	1.7	20
50	Unprecedented collateral sensitivity for cisplatin-resistant lung cancer cells presented by new ruthenium organometallic compounds. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1983-1996.	3.0	20
51	Chiral organometallic chromophores for nonlinear optics derived from [Fe ₂ (η^5 -C ₅ H ₅) ₂ (CO) ₂ (η^1 -CO)(η^1 -C ₄ H ₇ -CH ₃) ₂] ⁺ [BF ₄] ⁻ . <i>Journal of Organometallic Chemistry</i> , 2002, 655, 70-88.	0.8	19
52	Synthesis, characterization and crystal structure of the bimetallic cyano-bridged [(η^5 -C ₅ H ₅)(PPh ₃) ₂ Ru(η^1 -CN)Ru(PPh ₃) ₂ (η^5 -C ₅ H ₅)] [PF ₆]. <i>Inorganica Chimica Acta</i> , 2005, 358, 2482-2488.	1.2	18
53	Synthesis and structural characterization of ruthenium(II) and iron(II) complexes containing 1,2-di-(2-thienyl)-ethene derived ligands as chromophores. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 433-445.	0.8	18
54	Amplification of the linear and nonlinear optical response of a chiral molecular crystal. <i>Journal of Chemical Physics</i> , 2012, 136, 134501.	1.2	18

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55	Mono(η -5-cyclopentadienyl)metal(II) Complexes with Thienyl Acetylide Chromophores: Synthesis, Electrochemical Studies, and First Hyperpolarizabilities. <i>Organometallics</i> , 2014, 33, 4655-4671.	1.1	18
56	Organometallic nickel(II) complexes with substituted benzonitrile ligands. Synthesis, electrochemical studies and non-linear optical properties. The X-ray crystal structure of [Ni(η -5-C ₅ H ₅){P(C ₆ H ₅) ₃ (NCC ₆ H ₄ NH ₂)] [PF ₆]. <i>Journal of Organometallic Chemistry</i> , 1998, 553, 115-128.	0.8	16
57	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-NCC ₆ H ₄ NO ₂)] [PF ₆] · CH ₂ Cl ₂ . <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 2175-2185.	1.0	16
58	Synthesis, structural characterization and leishmanicidal activity evaluation of ferrocenyl N-heterocyclic compounds. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 299-311.	0.8	16
59	First heterobimetallic Cu(η -5-cyclopentadienyl) μ -dppf complexes designed for anticancer applications: synthesis, structural characterization and cytotoxicity. <i>New Journal of Chemistry</i> , 2019, 43, 12308-12317.	1.4	15
60	Gas-phase behaviour of Ru(II) cyclopentadienyl-derived complexes with N-coordinated ligands by electrospray ionization mass spectrometry: fragmentation pathways and energetics. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1675-1686.	0.7	14
61	Ruthenium carboranyl complexes with 2,2'-bipyridine derivatives for potential bimodal therapy application. <i>RSC Advances</i> , 2020, 10, 16266-16276.	1.7	14
62	Cu complexes as new antiproliferative agents against sensitive and doxorubicin resistant colorectal cancer cells: synthesis, characterization, and mechanisms of action. <i>Dalton Transactions</i> , 2021, 50, 1845-1865.	1.6	14
63	The X-ray crystal structure of di- η -5-cyclopentadienylthiophenolatoamminemolybdenum(IV)		

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73	Mercaptopyridine complexes of dicyclopentadienylmolybdenum and -tungsten: Preparation and electrochemistry. The structure of $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2(2\text{-SNC}_5\text{H}_4)][\text{PF}_6]$. <i>Polyhedron</i> , 1989, 8, 2439-2447.	1.0	9
74	Synthesis and electrochemical studies of η^5 -monocyclopentadienylruthenium(II) complexes with substituted thiophene nitrile ligands. Crystal structure of $[\text{Ru}(\eta^5\text{-C}_5\text{H}_5)(\text{dppe})(\text{NC}\{\text{SC}_4\text{H}_2\}_2\text{NO}_2)][\text{PF}_6]$. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2888-2897.	0.8	9
75	Polymerization of ϵ -caprolactone using ruthenium(II) mixed metallocene catalysts and isopropyl alcohol: Living character and mechanistic study. <i>Journal of Molecular Catalysis A</i> , 2011, 346, 102-110.	4.8	9
76	Benzo[<i>c</i>]thiophene Chromophores Linked to Cationic Fe and Ru Derivatives for NLO Materials: Synthesis Characterization and Quadratic Hyperpolarizabilities. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3506-3517.	1.0	9
77	New copper(<i>scp</i>) complexes selective for prostate cancer cells. <i>Dalton Transactions</i> , 2020, 49, 12273-12286.	1.6	9
78	Novel η^5 -ruthenium cyclopentadienyl- α -peptide conjugate complexes against human FGFR(+) breast cancer. <i>Dalton Transactions</i> , 2020, 49, 5974-5987.	1.6	9
79	Biotinylated Polymer-Ruthenium Conjugates: In Vitro and In Vivo Studies in a Triple-Negative Breast Cancer Model. <i>Pharmaceutics</i> , 2022, 14, 1388.	2.0	9
80	Synthesis and crystal structure of the novel trimanganese tetrathiolate incomplete cubane: $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2(\text{H})\text{CO}][\text{Mn}_3(\text{CO})_9(\eta^4\text{-SC}_6\text{H}_5)_4]$. <i>Journal of Organometallic Chemistry</i> , 2001, 620, 276-281.	0.8	8
81	Indium(III) thiolate-bridged molybdenocene complexes: crystal structure of $[\text{InCl}_2\text{MoCp}_2(\eta^5\text{-SEt})_2][\text{BPh}_4] \cdot (\text{CH}_3)_2\text{CO}$. <i>Journal of Organometallic Chemistry</i> , 1994, 466, 159-165.	0.8	7
82	New studies on the chemical oxidation of (bis- η^5 -cyclopentadienyl)dithiolatemolybdenum(IV) complexes. 2001, 632, 107-112.	0.8	7
83	Design and Anticancer Properties of New Water-Soluble Ruthenium- η^5 -Cyclopentadienyl Complexes. <i>Pharmaceutics</i> , 2022, 15, 862.	1.7	7
84	Binding of RuCp complexes with human apo-transferrin: fluorescence spectroscopy and molecular docking methods. <i>BioMetals</i> , 2021, 34, 1029-1042.	1.8	6
85	A supramolecular zigzag chain of organometallic dipoles mediated by PF_6^- anions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, m386-m389.	0.4	4
86	Synthesis of new Fe(II) and Ru(II) η^5 -monocyclopentadienyl compounds showing significant second order NLO properties. <i>Journal of Organometallic Chemistry</i> , 2013, 736, 42-49.	0.8	4
87	Ruthenium and iron metallodrugs: new inorganic and organometallic complexes as prospective anticancer agents. , 2021, , 223-276.		4
88	Synthesis and structural characterization of silver(I) complexes with moon-shaped benzo[1,2- <i>b</i> ;4,3- <i>b'</i>]-dithiophene phosphine derivative ligands. <i>Polyhedron</i> , 2009, 28, 239-244.	1.0	3
89	Synthesis and structural characterization of new piano-stool ruthenium(II) complexes bearing 1-butylimidazole heteroaromatic ligand. <i>Journal of Organometallic Chemistry</i> , 2012, 713, 112-122.	0.8	3
90	η^6 -(2-phenoxyethanol) ruthenium(II)-complexes of 2,2'-bipyridine and its derivatives: Solution speciation and kinetic behaviour. <i>Journal of Organometallic Chemistry</i> , 2016, 820, 20-29.	0.8	3

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91	Experimental data on novel Fe(III)-complexes containing phenanthroline derivatives for their anticancer properties. <i>Data in Brief</i> , 2019, 27, 104548.	0.5	2
92	The effect of counter-ions on the supramolecular arrangement of (benzonitrile)[1,2-bis(diphenylphosphino)ethane](η -5-cyclopentadienyl)iron(II) cations. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m531-m534.	0.4	0
93	Ultrastructural Studies of the Cellular Effects of Antitumoral Compounds. <i>Microscopy and Microanalysis</i> , 2015, 21, 57-58.	0.2	0
94	Design and synthesis of NLO efficient organometallic molecules. , 2015, , .		0
95	Electrochemistry of New Molybdenocene Dihydrocarbyls. , 1989, , 275-281.		0