Mauro Ravera

List of Publications by Year
in descending order

122 papers	3,113 citations	126858 33 h-index	206029 48 g-index
126 all docs	126 docs citations	126 times ranked	3167 citing authors

#	Article	IF	Citations
1	Antiproliferative Pt(IV) complexes: synthesis, biological activity, and quantitative structureâ€“activity relationship modeling. Journal of Biological Inorganic Chemistry, 2010, 15, 1157-1169.	1.1	123
2	Pros and cons of bifunctional platinum(iv) antitumor prodrugs: two are (not always) better than one. Dalton Transactions, 2014, 43, 9813.	1.6	103
3	Stepwise Reduction of Dinitrogen Occurring on a Divanadium Model Compound:Â A Synthetic, Structural, Magnetic, Electrochemical, and Theoretical Investigation on the [VNNV]n+[n= 4â^'6] Based Complexes. Journal of the American Chemical Society, 1997, 119, 10104-10115.	6.6	86
4	Inclusion Complexes of Ferrocenes and Î²-Cyclodextrins. Critical Appraisal of the Electrochemical Evaluation of Formation Constants. Organometallics, 2000, 19, 2791-2797.	1.1	80
5	Electronic interactions in organometallic dimers. An electrochemical approach. Journal of Organometallic Chemistry, 1995, 488, 1-7.	0.8	71
6	The Drug Targeting and Delivery Approach Applied to Pt-Antitumour Complexes. A Coordination Point of View. Current Medicinal Chemistry, 2009, 16, 4544-4580.	1.2	71
7	A view on multi-action Pt(IV) antitumor prodrugs. Inorganica Chimica Acta, 2019, 492, 32-47.	1.2	71
8	A New Entry to Asymmetric Platinum(IV) Complexes via Oxidative Chlorination. Inorganic Chemistry, 2014, 53, 9326-9335.	1.9	68
9	Electrochemical measurements confirm the preferential bonding of the antimetastatic complex [ImH][RuCl4(DMSO)(Im)] (NAMI-A) with proteins and the weak interaction with nucleobases. Journal of Inorganic Biochemistry, 2004, 98, 984-990.	1.5	66
10	Antiproliferative activity of Pt(IV)-bis(carboxylato) conjugates on malignant pleural mesothelioma cells. Journal of Inorganic Biochemistry, 2013, 129, 52-57.	1.5	66
11	Revisiting [PtCl₂(cis-1,4-DACH)]: An Underestimated Antitumor Drug with Potential Application to the Treatment of Oxaliplatin-Refractory Colorectal Cancer. Journal of Medicinal Chemistry, 2012, 55, 7182-7192.	2.9	65
12	Appraisal of the redox behaviour of the antimetastatic ruthenium(iii) complex [ImH][RuCl4(DMSO)(Im)], NAMI-A. Dalton Transactions, 2004, , 2347.	1.6	61
13	Molecular and statistical modeling of reduction peak potential and lipophilicity of platinum(IV) complexes. Journal of Biological Inorganic Chemistry, 2011, 16, 361-372.	1.1	59
14	Synthesis and in vitro cytotoxicity of cis,cis,trans-diamminedichloridodisuccinatoplatinum(iv)â€“peptide bioconjugates. Metallomics, 2012, 4, 260.	1.0	57
15	Synthesis and characterisation of bis(ferrocenylethynyl) complexes of platinum (II) A re-investigation of their electrochemical behaviour. Inorganic Chemistry Communication, 1998, 1, 239-245.	1.8	56
16	Electrochemical biosensor evaluation of the interaction between DNA and metallo-drugs. BioMetals, 2006, 19, 409-418.	1.8	51
17	Prediction of logP for Pt(II) and Pt(IV) complexes: Comparison of statistical and quantum-chemistry based approaches. Journal of Inorganic Biochemistry, 2016, 156, 1-13.	1.5	45
18	Cellular trafficking, accumulation and DNA platination of a series of cisplatin-based dicarboxylato Pt(IV) prodrugs. Journal of Inorganic Biochemistry, 2015, 150, 1-8.	1.5	44

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19	Oxidative stress and total antioxidant capacity in human plasma. Redox Report, 2009, 14, 125-131.	1.4	43
20	Trans- andCis-Water Reactivities in d6Octahedral Ruthenium(II) Pentaaqua Complexes:Â Experimental and Density Functional Theory Studies1,2. Inorganic Chemistry, 1997, 36, 6009-6020.	1.9	42
21	Antiproliferative activity of a series of cisplatin-based Pt(<scp>iv</scp>)-acetylamido/carboxylato prodrugs. Dalton Transactions, 2016, 45, 5300-5309.	1.6	42
22	Electronic Communication in [Co2(CO)6]2-Diyne and [Co2(CO)4(dppm)]2-Diyne Complexes. European Journal of Inorganic Chemistry, 1998, 1998, 1473-1477.	1.0	41
23	Platinum(II) and technetium(I) complexes anchored to ethynylestradiol: a way to drug targeting and delivery. Inorganica Chimica Acta, 2004, 357, 2157-2166.	1.2	40
24	Pt(<scp>iv</scp>) antitumor prodrugs: dogmas, paradigms, and realities. Dalton Transactions, 2022, 51, 2121-2134.	1.6	40
25	Oxidative degradation of 1,5-naphthalenedisulfonic acid in aqueous solutions by microwave irradiation in the presence of H2O2. Chemosphere, 2009, 74, 1309-1314.	4.2	39
26	Molecular interaction fields vs. quantum-mechanical-based descriptors in the modelling of lipophilicity of platinum(<scp>iv</scp>) complexes. Dalton Transactions, 2013, 42, 3482-3489.	1.6	39
27	Biological activity of a series of cisplatin-based aliphatic bis(carboxylato) Pt(IV) prodrugs: How long the organic chain should be?. Journal of Inorganic Biochemistry, 2014, 140, 219-227.	1.5	39
28	Anthracene-terpyridine metal complexes as new G-quadruplex DNA binders. Journal of Inorganic Biochemistry, 2016, 160, 275-286.	1.5	39
29	An unsymmetric cisplatin-based Pt(<scp>iv</scp>) derivative containing 2-(2-propynyl)octanoate: a very efficient multi-action antitumor prodrug candidate. Dalton Transactions, 2017, 46, 14174-14185.	1.6	39
30	Electronic interactions in diyne Co2(CO)6 complexes. Inorganica Chimica Acta, 1996, 247, 99-104.	1.2	38
31	Synthesis, characterization and antiproliferative activity on mesothelioma cell lines of bis(carboxylato)platinum(iv) complexes based on picoplatin. Dalton Transactions, 2012, 41, 3313.	1.6	38
32	Enhancement of the cytotoxicity of titanocene dichloride by aging in organic co-solvent. Journal of Inorganic Biochemistry, 2005, 99, 2264-2269.	1.5	35
33	Electronic interactions in multicluster arrays. An electrochemical approach. Part I. Inorganica Chimica Acta, 1993, 206, 155-161.	1.2	33
34	Water-soluble benzoheterocycle triosmium clusters as potential inhibitors of telomerase enzyme. Journal of Inorganic Biochemistry, 2005, 99, 505-512.	1.5	33
35	Evaluation of Platinumâ€“Ethacrynic Acid Conjugates in the Treatment of Mesothelioma. ChemMedChem, 2011, 6, 2287-2293.	1.6	33
36	The cisplatin-based Pt(<scp>iv</scp>)-diclorofibrato multi-action anticancer prodrug exhibits excellent performances also under hypoxic conditions. Dalton Transactions, 2018, 47, 8268-8282.	1.6	32

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37	Antiproliferative Activity of Pt(IV) Conjugates Containing the Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Ketoprofen and Naproxen â€. International Journal of Molecular Sciences, 2019, 20, 3074.	1.8	31
38	Electron transfer in trans-[Pt(PPh3)2(-Cî—¼Cî—¸Fc)2] and related compounds. Inorganica Chimica Acta, 1994, 225, 35-40.	1.2	30
39	The activation of platinum(II) antiproliferative drugs in carbonate medium evaluated by means of a DNA-biosensor. Journal of Inorganic Biochemistry, 2007, 101, 1023-1027.	1.5	30
40	Labeling of Proteins by a Triosmium Carbonyl Cluster via a Boltonâ^'Hunter-like Procedure. Organometallics, 1996, 15, 3037-3041.	1.1	29
41	Hostâ€“guest inclusion systems of Pt(IV)-bis(benzoato) anticancer drug candidates and cyclodextrins. Inorganica Chimica Acta, 2015, 432, 115-127.	1.2	29
42	May glutamine addiction drive the delivery of antitumor cisplatin-based Pt(IV) prodrugs?. Journal of Inorganic Biochemistry, 2017, 167, 27-35.	1.5	29
43	Cisplatin and valproate released from the bifunctional [Pt^(IV)Cl₂(NH₃)₂(valproato)₂] antitumor prodrug or from liposome formulations: who does what?. Dalton Transactions, 2017, 46, 1559-1566.	1.6	27
44	Electrochemical, theoretical, and structural investigations on the tetra cobalt "butterfly" Co4(CO)8L2(RC2R) (L = CO, PPh3; R = H, Et, Ph) clusters. Organometallics, 1991, 10, 3253-3259.	1.1	26
45	NMR Investigation of the Spontaneous Thermal- and/or Photoinduced Reduction of trans Dihydroxido Pt(IV) Derivatives. Inorganic Chemistry, 2013, 52, 2393-2403.	1.9	26
46	Relationship between ligand structure and electrochemical and relaxometric properties of acyclic poly(aminocarboxylate) complexes of Eu(ii)Electronic supplementary information (ESI) available: complete series of the plots reporting the diffusion coefficients D vs. temperature for Eu(iii)aq and [Eu(iii)L] (L = edta, dtpa, bopta, ttha). See http://www.rsc.org/suppdata/dt/b2/b211533f/. Dalton Transactions, 2003, , 1628-1633.	1.6	25
47	Biological activity of enantiomeric complexes [PtCl2L2] (L2ÂisÂaromatic bisphosphanes and aromatic) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	25
48	Organometallic compounds in the discovery of new agents against kinetoplastid-caused diseases. European Journal of Medicinal Chemistry, 2018, 155, 459-482.	2.6	25
49	Stepwise assembly of platinumâ€“folic acid conjugates. Inorganica Chimica Acta, 2008, 361, 1447-1455.	1.2	24
50	Pt(ii) complexes with bidentate and tridentate pyrazolyl-containing chelators: synthesis, structural characterization and biological studies. Dalton Transactions, 2011, 40, 5781.	1.6	23
51	Electrochemical evaluation of the interaction between antitumoral titanocene dichloride and biomolecules. Inorganica Chimica Acta, 2009, 362, 1303-1306.	1.2	22
52	trans,cis,cisâ€Bis(benzoato)dichlorido(cyclohexaneâ€1R,2Râ€diamine)platinum(IV): a Prodrug Candidate for the Treatment of Oxaliplatinâ€Refractory Colorectal Cancer. ChemMedChem, 2014, 9, 1299-1305.	1.6	22
53	Functional fluorescent nonporous silica nanoparticles as carriers for Pt(IV) anticancer prodrugs. Journal of Inorganic Biochemistry, 2015, 151, 132-142.	1.5	22
54	Unprecedented one-pot synthesis of an unsymmetrical cisplatin-based Pt(<scp>iv</scp>)â€“acetamidato complex. Chemical Communications, 2015, 51, 8051-8053.	2.2	21

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55	Use of Heavy-Metal Clusters in the Design of N-Succinimidyl Ester Acylation Reagents for Side-Chain-Specific Labeling of Proteins. Bioconjugate Chemistry, 1999, 10, 607-612.	1.8	20
56	The Relevance of Polar Surface Area (PSA) in Rationalizing Biological Properties of Severalcisâ€Diamminemalonatoplatinum(II) Derivatives. ChemMedChem, 2009, 4, 1677-1685.	1.6	20
57	Tuning photophysical properties with ancillary ligands in Ru(II) mono-diimine complexes. Journal of Organometallic Chemistry, 2009, 694, 988-1000.	0.8	20
58	A Comparative Study of the Effects of Platinum (II) Complexes on Î²-Amyloid Aggregation: Potential Neurodrug Applications. International Journal of Molecular Sciences, 2021, 22, 3015.	1.8	20
59	Electrochemical Behavior and Electron-Transfer Chain (ETC) Reactions of H4Ru4(CO)12. Organometallics, 1995, 14, 2501-2505.	1.1	19
60	An experiment in the electrokinetic removal of copper from soil contaminated by the brass industry. Chemosphere, 2006, 63, 950-955.	4.2	19
61	The hexacarbonyldicobalt derivative of aspirin acts as a CO-releasing NSAID on malignant mesothelioma cells. Metallomics, 2013, 5, 1604.	1.0	19
62	Trend in cytotoxic activity of a series of cis-[APtCl2] (A=ethylenediamine methylated at different) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.2	18
63	Electrochemical Biosensors as a Screening Tool of In Vitro DNA-Drug Interaction. Current Pharmaceutical Analysis, 2005, 1, 217-224.	0.3	18
64	Probing delocalisation across highly ethynylated mono and dinuclear Pt(II) tethers containing nitrogroups and organic models as redox active probes: X-ray crystal structure of trans-[Pt(CCâ€“C6H4NO2)2(PPh3)2]. Journal of Organometallic Chemistry, 2005, 690, 2376-2380.	0.8	17
65	Synthesis, characterization, structure, molecular modeling studies and biological activity of sterically crowded Pt(II) complexes containing bis(imidazole) ligands. Journal of Inorganic Biochemistry, 2011, 105, 400-409.	1.5	17
66	Electroassisted methods for waste destruction: Silver(II) and peroxydisulfate reagents in the electrochemically mediated oxidation of polyaromatic sulfonates. Chemosphere, 2004, 57, 587-594.	4.2	15
67	HPLC-MSn to Investigate the Oxidative Destruction Pathway of Aromatic Sulfonate Wastes. Journal of Environmental Quality, 2005, 34, 2328-2333.	1.0	15
68	Metallo-drugs in the treatment of malignant pleural mesothelioma. Inorganica Chimica Acta, 2012, 393, 64-74.	1.2	15
69	Study of the synthesis, antiproliferative properties, and interaction with DNA and polynucleotides of cisplatin-like Pt(II) complexes containing carcinogenic polyaromatic amines. Journal of Biological Inorganic Chemistry, 2013, 18, 791-801.	1.1	15
70	Synthesis and Biological Studies of Pyrazolylâ€Diamine Pt^{II} Complexes Containing Polyaromatic DNAâ€Binding Groups. ChemBioChem, 2012, 13, 2352-2362.	1.3	14
71	Functionalized nonporous silica nanoparticles as carriers for Pt(<scp>iv</scp>) anticancer prodrugs. Dalton Transactions, 2016, 45, 17233-17240.	1.6	14
72	Synthesis and characterization of cyclohexane-1R,2R-diamine-based Pt(<scp>iv</scp>) dicarboxylato anticancer prodrugs: their selective activity against human colon cancer cell lines. Dalton Transactions, 2019, 48, 435-445.	1.6	13

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73	Estrogen derivatives of transition metal carbonyl clusters for analytical detection enhancement. Inorganica Chimica Acta, 1992, 192, 65-70.	1.2	12
74	Comparative Reactivity of Triruthenium and Triosmium Î¼3-Î·2-Imidoyls. 2. Reactions with Alkynes. Organometallics, 1997, 16, 2674-2681.	1.1	12
75	Stabilization of Carbenium Ions Derived from Ethynylestradiol by Different Adjacent Organometallic Moieties. Implication in the Inactivation of the Estrogen Receptor. European Journal of Inorganic Chemistry, 2000, 2000, 491-497.	1.0	12
76	DNA-Metallodrugs Interactions Signaled by Electrochemical Biosensors: An Overview. Bioinorganic Chemistry and Applications, 2007, 2007, 1-11.	1.8	12
77	Oxidative degradation of 1,5-naphthalenedisulfonic acid in aqueous solutions by UV-photolysis in the absence and presence of H2O2. Chemosphere, 2010, 79, 144-148.	4.2	12
78	Microwave-Assisted Synthesis: Can Transition Metal Complexes Take Advantage of This â€œGreenâ€• Method?. Molecules, 2022, 27, 4249.	1.7	12
79	How to obtain Pt(<scp>iv</scp>) complexes suitable for conjugation to nanovectors from the oxidation of [PtCl(terpyridine)]⁺. Dalton Transactions, 2017, 46, 10246-10254.	1.6	11
80	A step towards development of promising trypanocidal agents: Synthesis, characterization and inÂvitro biological evaluation of ferrocenyl Mannich base-type derivatives. European Journal of Medicinal Chemistry, 2019, 163, 569-582.	2.6	11
81	Pt(<scp>iv</scp>) complexes based on cyclohexanediamines and the histone deacetylase inhibitor 2-(2-propynyl)octanoic acid: synthesis, characterization, cell penetration properties and antitumor activity. Dalton Transactions, 2021, 50, 4663-4672.	1.6	11
82	Electrochemical behaviour of the electronically and coordinatively unsaturated cluster	0.8	10
83	Synthesis and characterization of functionalized thymidine as a potential carrier for cisplatin-like drugs. Inorganica Chimica Acta, 2005, 358, 2799-2803.	1.2	10
84	Poly(methylmetacrylate) (PMMA) coreâ€“shell nanospheres act as efficient pharmacophores for the antiproliferative [PtCl3(NH3)]â^' complex by forming ionic couples. Inorganica Chimica Acta, 2009, 362, 4099-4109.	1.2	10
85	Functionalized thymidine derivatives as carriers for the Î³-emitter technetium tricarbonyl moiety. Inorganica Chimica Acta, 2009, 362, 4785-4790.	1.2	10
86	Antiproliferative Activity of Pt^{II} Complexes with Carboxylated Phosphanes in Chelated or Ringâ€Opened Forms. European Journal of Inorganic Chemistry, 2012, 2012, 3441-3448.	1.0	10
87	Application of microwave-assisted heating to the synthesis of Pt(II) complexes. Inorganica Chimica Acta, 2015, 437, 16-19.	1.2	10
88	HPLC studies of Fe2(CO)6(ligand) complexes. Journal of Organometallic Chemistry, 1992, 433, 287-294.	0.8	9
89	Bis(ferrocenylethynyl)-Substituted Digold-Tetrarhenium Cluster: Unusual Structure and Electronic Communication between Ferrocenyl Groups. Organometallics, 2008, 27, 6163-6169.	1.1	9
90	Solvolysis of a Series of Cisplatin-Like Complexes - Comparison between DNA-Biosensor and Conductivity Data. European Journal of Inorganic Chemistry, 2012, 2012, 5625-5631.	1.0	9

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91	Hybrid inorganic (nonporous silica)/organic (alginate) core-shell platform for targeting a cisplatin-based Pt(IV) anticancer prodrug. Journal of Inorganic Biochemistry, 2018, 189, 185-191.	1.5	9
92	Conjugation between maleimide-containing Pt(IV) prodrugs and furan or furan-containing drug delivery vectors via Diels-Alder cycloaddition. Inorganica Chimica Acta, 2019, 488, 195-200.	1.2	9
93	New Platinum-Based Prodrug Pt(IV)Ac-POA: Antitumour Effects in Rat C6 Glioblastoma Cells. Neurotoxicity Research, 2020, 37, 183-197.	1.3	9
94	A New Platinum-Based Prodrug Candidate for Chemotherapy and Its Synergistic Effect With Hadrontherapy: Novel Strategy to Treat Glioblastoma. Frontiers in Neuroscience, 2021, 15, 589906.	1.4	9
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109	Synthesis of PtIV-Biomolecule Conjugates through Click Chemistry. European Journal of Inorganic Chemistry, 2015, 2015, 5335-5341.	1.0	5
110	Over 100 Years of Research on Cyclopentadienylironcarbonyl Chemistry: Microscale-Integrated Organometallic Experiments. Journal of Chemical Education, 1996, 73, A99.	1.1	4
111	Electrochemical studies of a series of antimetastatic mono- and di-ruthenium complexes [Na][trans-RuIIICl4(DMSO)(L)] and [Na]2[{trans-RuIIICl4(DMSO)}2(Î¼-L)] (L=N-donor heterocyclic bridging) Tj ETQq1 1 0.784314 rgBT	1.2	4
112	Electrochemical Biosensor Assay of the Interaction between [PtCln(NH3)4-n](2-n) (n = 0-4) Complexes and ds-DNA. European Journal of Inorganic Chemistry, 2011, 2011, 1635-1639.	1.0	4
113	Formulations of highly antiproliferative hydrophobic Pt(IV) complexes into lipidic nanoemulsions as delivery vehicles. Inorganica Chimica Acta, 2022, 535, 120859.	1.2	3
114	Electrochemical behaviour of tropone diiron pentacarbonyl complexes, Fe2(CO)5[(RC2R)3CO] (R=Me,) Tj ETQq0 0 0 rgBT /Overlock 10 311-316.	1.2	2
115	The Microscale Synthesis and Electrochemistry of Low-Valent Mononuclear Complexes (Î·3-C3H5)Fe(CO)3X (X = I, Br, Cl). Journal of Chemical Education, 1998, 75, 773.	1.1	2
116	Polyanionic Biopolymers for the Delivery of Pt(II) Cationic Antiproliferative Complexes. Bioinorganic Chemistry and Applications, 2016, 2016, 1-7.	1.8	2
117	Electrochemical studies of Ru(II) diimine bioconjugates. Inorganica Chimica Acta, 2015, 429, 87-92.	1.2	1
118	Can the Self-Assembling of Dicarboxylate Pt(IV) Prodrugs Influence Their Cell Uptake?. Bioinorganic Chemistry and Applications, 2021, 2021, 1-8.	1.8	1
119	Role of Metal Ions in Dopamine Oxidation. Journal of Chemical Education, 2021, 98, 4031-4036.	1.1	1
120	Application of the anthraquinone drug rhein as an axial ligand in bifunctional Pt(<scp>iv</scp>) complexes to obtain antiproliferative agents against human glioblastoma cells. Dalton Transactions, 2022, 51, 6014-6026.	1.6	1
121	Freshening up Old Methods for New Students: A Colorful Laboratory Experiment to Measure the Formation Constants of Ni(II) Complexes Containing Ethane-1,2-Diamine. Journal of Chemical Education, 2022, 99, 1473-1478.	1.1	1
122	Dual- and multi-action Pt(IV) antitumor prodrugs or how to kill two birds with one stone. , 0, , .		0