Maria Contel

List of Publications by Year
in descending order

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57	2,634	126907	182427
papers	citations	33 h-index	51 g-index

59	59	59	3054
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organometallic Gold(III) Compounds as Catalysts for the Addition of Water and Methanol to Terminal Alkynes. Journal of the American Chemical Society, 2003, 125, 11925-11935.	13.7	281
2	Heterometallic titaniumâ€“gold complexes inhibit renal cancer cells in vitro and in vivo. Chemical Science, 2015, 6, 5269-5283.	7.4	100
3	A Bis(ortho-amine)arylâ^'Gold(I) Compound as an Efficient, Nontoxic, Arylating Reagent. Organometallics, 2002, 21, 4556-4559.	2.3	88
4	Cyclometalated Iminophosphorane Gold(III) and Platinum(II) Complexes. A Highly Permeable Cationic Platinum(II) Compound with Promising Anticancer Properties. Journal of Medicinal Chemistry, 2015, 58, 5825-5841.	6.4	88
5	In Vitro and in Vivo Evaluation of Water-Soluble Iminophosphorane Ruthenium(II) Compounds. A Potential Chemotherapeutic Agent for Triple Negative Breast Cancer. Journal of Medicinal Chemistry, 2014, 57, 9995-10012.	6.4	87
6	Potential Anticancer Heterometallic Feâ€“Au and Feâ€“Pd Agents: Initial Mechanistic Insights. Journal of Medicinal Chemistry, 2013, 56, 5806-5818.	6.4	86
7	Organogold(III) Iminophosphorane Complexes as Efficient Catalysts in the Addition of 2-Methylfuran and Electron-Rich Arenes to Methyl Vinyl Ketone. Organometallics, 2007, 26, 4604-4611.	2.3	81
8	Synthesis of Apoptosis-Inducing Iminophosphorane Organogold(III) Complexes and Study of Their Interactions with Biomolecular Targets. Inorganic Chemistry, 2009, 48, 1577-1587.	4.0	79
9	Titanoceneâ€“Phosphine Derivatives as Precursors to Cytotoxic Heterometallic TiAu₂and TiM (M = Pd, Pt) Compounds. Studies of Their Interactions with DNA. Inorganic Chemistry, 2011, 50, 11099-11110.	4.0	77
10	Titanoceneâ€“Gold Complexes Containing N-Heterocyclic Carbene Ligands Inhibit Growth of Prostate, Renal, and Colon Cancers in Vitro. Organometallics, 2016, 35, 1218-1227.	2.3	74
11	Organometallic Palladium Complexes with a Water-Soluble Iminophosphorane Ligand As Potential Anticancer Agents. Organometallics, 2012, 31, 5772-5781.	2.3	70
12	Gold(III) iminophosphorane complexes as catalysts in Câ€“C and Câ€“O bond formations. Journal of Organometallic Chemistry, 2009, 694, 486-493.	1.8	67
13	Synthesis and anticancer activity of carbosilane metallodendrimers based on arene ruthenium(<scp>ii</scp>) complexes. Dalton Transactions, 2016, 45, 7049-7066.	3.3	65
14	Water-Soluble (Phosphane)gold(I) Complexes - Applications as Recyclable Catalysts in a Three-Component Coupling Reaction and as Antimicrobial and Anticancer Agents. European Journal of Inorganic Chemistry, 2009, 2009, 3421-3430.	2.0	63
15	Organometallic Titanoceneâ€“Gold Compounds as Potential Chemotherapeutics in Renal Cancer. Study of their Protein Kinase Inhibitory Properties. Organometallics, 2014, 33, 6669-6681.	2.3	63
16	Mechanistic Insights into the Oneâ€Pot Synthesis of Propargylamines from Terminal Alkynes and Amines in Chlorinated Solvents Catalyzed by Gold Compounds and Nanoparticles. Chemistry - A European Journal, 2010, 16, 9287-9296.	3.3	62
17	Versatile synthesis of cationic N-heterocyclic carbeneâ€“gold(<scp>i</scp>) complexes containing a second ancillary ligand. Design of heterobimetallic rutheniumâ€“gold anticancer agents. Chemical Communications, 2016, 52, 3155-3158.	4.1	61
18	Iminophosphoraneâ€“organogold(III) complexes induce cell death through mitochondrial ROS production. Journal of Inorganic Biochemistry, 2011, 105, 1306-1313.	3.5	57

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19	Bis{(2-diphenylphosphino)phenyl}mercury:Â A P-Donor Ligand and Precursor to Mixed Metalâˆ'Mercury (d8âˆ'd10) Cyclometalated Complexes Containing 2-C6H4PPh2. Inorganic Chemistry, 2002, 41, 844-855.	4.0	56
20	Cytotoxic hydrophilic iminophosphorane coordination compounds of d8 metals. Studies of their interactions with DNA and HSA. Journal of Inorganic Biochemistry, 2012, 116, 204-214.	3.5	56
21	Fluorous Biphasic Catalysis: Synthesis and Characterization of Copper(I) and Copper(II) Fluoroponytailed 1,4,7-Rf-TACN and 2,2â€²-Rf-Bipyridine Complexesâ€"Their Catalytic Activity in the Oxidation of Hydrocarbons, Olefins, and Alcohols, Including Mechanistic Implications. Chemistry - A European Journal, 2003, 9, 4168-4178.	3.3	54
22	Trinuclear Au2Ag and Au2Cu Complexes with Mesityl Bridging Ligands. X-ray Structure of the Chain Polymer [{Au(Î¼-mes)AsPh3}2Ag](ClO4). Organometallics, 1996, 15, 4939-4943.	2.3	52
23	Auranofin and related heterometallic gold(I)â€"thiolates as potent inhibitors of methicillin-resistant Staphylococcus aureus bacterial strains. Journal of Inorganic Biochemistry, 2014, 138, 81-88.	3.5	52
24	Design, synthesis and characterisation of new chimeric ruthenium(<scp>ii</scp>)â€"gold(<scp>i</scp>) complexes as improved cytotoxic agents. Dalton Transactions, 2015, 44, 11067-11076.	3.3	52
25	Fluorocarbon Soluble Copper(II) Carboxylate Complexes with Nonfluoroponytailed Nitrogen Ligands as Precatalysts for the Oxidation of Alkenols and Alcohols under Fluorous Biphasic or Thermomorphic Modes:Â Structural and Mechanistic Aspects. Inorganic Chemistry, 2005, 44, 9771-9778.	4.0	50
26	A heterometallic rutheniumâ€"gold complex displays antiproliferative, antimigratory, and antiangiogenic properties and inhibits metastasis and angiogenesis-associated proteases in renal cancer. Journal of Biological Inorganic Chemistry, 2018, 23, 399-411.	2.6	48
27	Triamidogerma- and Triamidostannaaurates(I):â€‰ First Structural Characterization of a Geâˆ'Auâˆ'Ge Unit. Inorganic Chemistry, 1996, 35, 3713-3715.	4.0	47
28	Bimetallic titanocene-gold phosphane complexes inhibit invasion, metastasis, and angiogenesis-associated signaling molecules in renal cancer. European Journal of Medicinal Chemistry, 2019, 161, 310-322.	5.5	46
29	Tris(amido)tingold Complexes in Different Oxidation States. First Structural Characterization of a Snâˆ'Auâˆ'Auâˆ'Sn Linear Chain. Inorganic Chemistry, 1997, 36, 2386-2390.	4.0	44
30	Auranofin andN-heterocyclic carbene gold-analogs are potent inhibitors of the bacteriaHelicobacter pylori. FEMS Microbiology Letters, 2016, 363, fnw148.	1.8	43
31	Regioselective Ortho Palladation of Stabilized Iminophosphoranes in Exo Positions: Scope, Limitations, and Mechanistic Insights. Organometallics, 2008, 27, 2929-2936.	2.3	41
32	Luminescent Diâ€•and Polynuclear Organometallic Gold(I)â€"Metal (Au₂,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 232 Td ({A Containing Bidentate Phosphanes as Active Antimicrobial Agents. Chemistry - A European Journal, 2012, 18, 3659-3674.	3.3	41
33	Luminescent iminophosphorane gold, palladium and platinum complexes as potential anticancer agents. Inorganic Chemistry Frontiers, 2014, 1, 231-241.	6.0	41
34	Customizing Morphology, Size, and Response Kinetics of Matrix Metalloproteinase-Responsive Nanostructures by Systematic Peptide Design. ACS Nano, 2019, 13, 1555-1562.	14.6	34
35	Metal-based antibody drug conjugates. Potential and challenges in their application as targeted therapies in cancer. Journal of Inorganic Biochemistry, 2019, 199, 110780.	3.5	33
36	Exploring the Potential of Metallodrugs as Chemotherapeutics for Triple Negative Breast Cancer. Chemistry - A European Journal, 2021, 27, 8891-8917.	3.3	32

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37	Hydrogen Bonding and Anticancer Properties of Waterâ€Soluble Chiral pâ€Cymene Ru^{II} Compounds with Aminoâ€Oxime Ligands. European Journal of Inorganic Chemistry, 2015, 2015, 2295-2307.	2.0	31
38	Preparation of Titanoceneâ€“Gold Compounds Based on Highly Active Gold(I)â€Nâ€Heterocyclic Carbene Anticancer Agents: Preliminary inâ€…vitro Studies in Renal and Prostate Cancer Cell Lines. ChemMedChem, 2019, 14, 1086-1095.	3.2	26
39	Trastuzumab gold-conjugates: synthetic approach and in vitro evaluation of anticancer activities in breast cancer cell lines. Chemical Communications, 2019, 55, 1394-1397.	4.1	24
40	Selfâ€Complementary Zwitterionic Peptides Direct Nanoparticle Assembly and Enable Enzymatic Selection of Endocytic Pathways. Advanced Materials, 2022, 34, e2104962.	21.0	20
41	How the HorvÃ¡th paradigm, Fluorous Biphasic Catalysis, affected oxidation chemistry: Successes, challenges, and a sustainable future. Coordination Chemistry Reviews, 2019, 380, 584-599.	18.8	19
42	Reactivity of [2,6-Bis((dimethylamino)methyl)phenyl]gold(I), an Unusual Intermolecularly Stabilized Bis(amino)arylâ^'Gold(I) Dimer, toward Alkyl Halides. X-ray Crystal Structures of Its Iodomethane and Methylene Diiodide Adductsâ€. Organometallics, 2000, 19, 3288-3295.	2.3	18
43	Ortho-Palladation of (Z)-2-Aryl-4-Arylidene-5(4H)-Oxazolones. Structure and Functionalization. Organometallics, 2010, 29, 1428-1435.	2.3	16
44	Group 11 Metal Compounds with Tripodal Bis(imidazole) Thioether Ligands. Applications as Catalysts in the Oxidation of Alkenes and as Antimicrobial Agents. Molecules, 2011, 16, 6701-6720.	3.8	15
45	Auranofin-Based Analogues Are Effective Against Clear Cell Renal Carcinoma In Vivo and Display No Significant Systemic Toxicity. ACS Pharmacology and Translational Science, 2020, 3, 644-654.	4.9	14
46	Novel enantiopure cyclopentadienyl Ti(IV) oximato compounds as potential anticancer agents. Journal of Inorganic Biochemistry, 2016, 156, 22-34.	3.5	13
47	Intracellular Localization Studies of the Luminescent Analogue of an Anticancer Ruthenium Iminophosphorane with High Efficacy in a Triple-Negative Breast Cancer Mouse Model. Inorganic Chemistry, 2021, 60, 19152-19164.	4.0	10
48	Precatalyst separation paradigms: alkane functionalization in water utilizing in situ formed [Fe2O(Î·1-H2O)(Î·1-OAc)(TPA)2]3+, embedded in surface-derivatized silica, as an MMO model, and fluorous biphasic catalysis for alkane, alkene, and alcohol oxidation chemistry. Topics in Catalysis, 2005, 32, 185-196.	2.8	9
49	Preclinical evaluation of an unconventional rutheniumâ€goldâ€based chemotherapeutic: RANCEâ€1, in clear cell renal cell carcinoma. Cancer Medicine, 2019, 8, 4304-4314.	2.8	8
50	Water-compatible gold and silver nanoparticles as catalysts for the oxidation of alkenes. Polyhedron, 2016, 120, 82-87.	2.2	7
51	Unconventional Anticancer Metallodrugs and Strategies to Improve Their Pharmacological Profile. Inorganics, 2019, 7, 88.	2.7	7
52	Heterometallic Complexes as Anticancer Agents. 2-Oxoglutarate-Dependent Oxygenases, 2019, , 143-168.	0.8	7
53	Reactivity of Unsaturated 5(4H)-Oxazolones with Hg(II) Acetate: Synthesis of Methyl N-Benzoylamino-3-arylacrylates. Synthetic Communications, 2012, 42, 195-203.	2.1	6
54	SEC hyphenated to a multielement-specific detector unravels the degradation pathway of a bimetallic anticancer complex in human plasma. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1145, 122093.	2.3	5

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55	Investigation of the Effects and Mechanisms of Anticancer Action of a Ru(II)â€Arene Iminophosphorane Compound in Triple Negative Breast Cancer Cells. ChemMedChem, 2021, 16, 3280-3292.	3.2	3
56	Preface. Journal of Inorganic Biochemistry, 2016, 165, 54-55.	3.5	1
57	Frontispiece: Exploring the Potential of Metallodrugs as Chemotherapeutics for Triple Negative Breast Cancer. Chemistry - A European Journal, 2021, 27, .	3.3	1