

Isolda Romero Canelon

List of Publications by Year in descending order

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67
papers

3,591
citations

136740

32
h-index

133063

59
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70
all docs

70
docs citations

70
times ranked

4297
citing authors

#	ARTICLE	IF	CITATIONS
1	Next-Generation Metal Anticancer Complexes: Multitargeting via Redox Modulation. <i>Inorganic Chemistry</i> , 2013, 52, 12276-12291.	1.9	347
2	The Potent Oxidant Anticancer Activity of Organoiridium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3941-3946.	7.2	283
3	Transfer hydrogenation catalysis in cells as a new approach to anticancer drug design. <i>Nature Communications</i> , 2015, 6, 6582.	5.8	216
4	The Contrasting Activity of Iodido versus Chlorido Ruthenium and Osmium Arene Azo- and Imino-pyridine Anticancer Complexes: Control of Cell Selectivity, Cross-Resistance, p53 Dependence, and Apoptosis Pathway. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1291-1300.	2.9	199
5	Asymmetric transfer hydrogenation by synthetic catalysts in cancer cells. <i>Nature Chemistry</i> , 2018, 10, 347-354.	6.6	173
6	Organometallic Iridium(III) Anticancer Complexes with New Mechanisms of Action: NCI-60 Screening, Mitochondrial Targeting, and Apoptosis. <i>ACS Chemical Biology</i> , 2013, 8, 1335-1343.	1.6	137
7	Designing Ruthenium Anticancer Drugs: What Have We Learnt from the Key Drug Candidates?. <i>Inorganics</i> , 2019, 7, 31.	1.2	117
8	Supramolecular Photoactivatable Anticancer Hydrogels. <i>Journal of the American Chemical Society</i> , 2017, 139, 5656-5659.	6.6	112
9	Contrasting Anticancer Activity of Half-Sandwich Iridium(III) Complexes Bearing Functionally Diverse 2-Phenylpyridine Ligands. <i>Organometallics</i> , 2015, 34, 2683-2694.	1.1	110
10	Potent Half-Sandwich Iridium(III) Anticancer Complexes Containing C ^{sup>N} -Chelated and Pyridine Ligands. <i>Organometallics</i> , 2014, 33, 5324-5333.	1.1	109
11	Nanoparticles of chitosan conjugated to organo-ruthenium complexes. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1058-1064.	3.0	101
12	Enhancement of Selectivity of an Organometallic Anticancer Agent by Redox Modulation. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7874-7880.	2.9	74
13	Cyclic Peptide-Polymer Nanotubes as Efficient and Highly Potent Drug Delivery Systems for Organometallic Anticancer Complexes. <i>Biomacromolecules</i> , 2018, 19, 239-247.	2.6	74
14	Discovery and Biosynthesis of Gladiolin: A <i>Burkholderia gladioli</i> Antibiotic with Promising Activity against <i>Mycobacterium tuberculosis</i> . <i>Journal of the American Chemical Society</i> , 2017, 139, 7974-7981.	6.6	73
15	Potent organo-osmium compound shifts metabolism in epithelial ovarian cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E3800-5.	3.3	71
16	In-Cell Activation of Organo-Osmium(II) Anticancer Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1017-1020.	7.2	68
17	Synchrotron X-Ray Fluorescence Nanoprobe Reveals Target Sites for Organo-Osmium Complex in Human Ovarian Cancer Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 2512-2516.	1.7	67
18	Half-Sandwich Arene Ruthenium(II) and Osmium(II) Thiosemicarbazone Complexes: Solution Behavior and Antiproliferative Activity. <i>Organometallics</i> , 2018, 37, 891-899.	1.1	63

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19	Contrasting cellular uptake pathways for chlorido and iodo iminopyridine ruthenium arene anticancer complexes. <i>Metallomics</i> , 2012, 4, 1271.	1.0	60
20	Comparative Cytotoxicity of Artemisinin and Cisplatin and Their Interactions with Chlorogenic Acids in MCF7 Breast Cancer Cells. <i>ChemMedChem</i> , 2014, 9, 2791-2797.	1.6	58
21	Potent organometallic osmium compounds induce mitochondria-mediated apoptosis and S-phase cell cycle arrest in A549 non-small cell lung cancer cells. <i>Metallomics</i> , 2014, 6, 1014.	1.0	54
22	Half-sandwich rhodium(III) transfer hydrogenation catalysts: Reduction of NAD ⁺ and pyruvate, and antiproliferative activity. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 322-333.	1.5	54
23	A novel dual-functioning ruthenium(II) arene complex of an anti-microbial ciprofloxacin derivative. Anti-proliferative and anti-microbial activity. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 210-217.	1.5	54
24	Transfer Hydrogenation and Antiproliferative Activity of Tethered Half-Sandwich Organoruthenium Catalysts. <i>Organometallics</i> , 2018, 37, 1555-1566.	1.1	49
25	Mitochondria-targeted spin-labelled luminescent iridium anticancer complexes. <i>Chemical Science</i> , 2017, 8, 8271-8278.	3.7	46
26	<i>In Vivo</i> Selectivity and Localization of Reactive Oxygen Species (ROS) Induction by Osmium Anticancer Complexes That Circumvent Platinum Resistance. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9246-9255.	2.9	44
27	Pharmaco-genomic investigations of organo-iridium anticancer complexes reveal novel mechanism of action. <i>Metallomics</i> , 2018, 10, 93-107.	1.0	39
28	The potent anti-cancer activity of Dioclea lasiocarpa lectin. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 179-189.	1.5	34
29	New activation mechanism for half-sandwich organometallic anticancer complexes. <i>Chemical Science</i> , 2018, 9, 3177-3185.	3.7	34
30	Palladium complexes with thiosemicarbazones derived from pyrene as topoisomerase IB inhibitors. <i>Dalton Transactions</i> , 2019, 48, 16509-16517.	1.6	34
31	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , 2014, 175, 229-240.	1.6	33
32	Systems approach to metal-based pharmacology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4187-4188.	3.3	33
33	The contrasting catalytic efficiency and cancer cell antiproliferative activity of stereoselective organoruthenium transfer hydrogenation catalysts. <i>Dalton Transactions</i> , 2016, 45, 8367-8378.	1.6	31
34	Effect of sulfonamidoethylenediamine substituents in Ru ^{II} arene anticancer catalysts on transfer hydrogenation of coenzyme NAD ⁺ by formate. <i>Dalton Transactions</i> , 2018, 47, 7178-7189.	1.6	28
35	Organometallic Conjugates of the Drug Sulfadoxine for Combatting Antimicrobial Resistance. <i>Chemistry - A European Journal</i> , 2018, 24, 10078-10090.	1.7	28
36	Arene ruthenium dithiolato-carborane complexes for boron neutron capture therapy (BNCT). <i>Journal of Organometallic Chemistry</i> , 2015, 796, 17-25.	0.8	27

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37	Hydrosulfide Adducts of Organo-Iridium Anticancer Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 2324-2331.	1.9	26
38	Photoactivatable Cell-Selective Dinuclear trans-Diazidoplatinum(IV) Anticancer Prodrugs. <i>Inorganic Chemistry</i> , 2018, 57, 14409-14420.	1.9	26
39	Novel tetranuclear Pd ^{II} and Pt ^{II} anticancer complexes derived from pyrene thiosemicarbazones. <i>Dalton Transactions</i> , 2020, 49, 9595-9604.	1.6	25
40	Towards Identification of Essential Structural Elements of Organoruthenium(II)â€‘Pyridithionato Complexes for Anticancer Activity. <i>Chemistry - A European Journal</i> , 2019, 25, 14169-14182.	1.7	22
41	Organoruthenium Complexes with Benzo-Fused Pyridithiones Overcome Platinum Resistance in Ovarian Cancer Cells. <i>Cancers</i> , 2021, 13, 2493.	1.7	22
42	Spin-labelled photo-cytotoxic diazido platinum(iv) anticancer complex. <i>Dalton Transactions</i> , 2016, 45, 13034-13037.	1.6	21
43	Genomics-Driven Discovery of a Novel Glutarimide Antibiotic from <i>Burkholderia gladioli</i> Reveals an Unusual Polyketide Synthase Chain Release Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23145-23153.	7.2	20
44	Synthesis and Mode of Action Studies on Iridium(I)-NHC Anticancer Drug Candidates. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2461-2470.	1.0	19
45	Nanofocused synchrotron X-ray absorption studies of the intracellular redox state of an organometallic complex in cancer cells. <i>Chemical Communications</i> , 2019, 55, 7065-7068.	2.2	17
46	Photoactive platinum(IV) complex conjugated to a cancer-cell-targeting cyclic peptide. <i>Dalton Transactions</i> , 2019, 48, 8560-8564.	1.6	17
47	Lysyl Oxidase Like-2 (LOXL2): An Emerging Oncology Target. <i>Advanced Therapeutics</i> , 2020, 3, 1900119.	1.6	17
48	Effect of Regiochemistry and Methylation on the Anticancer Activity of a Ferrocene-Containing Organometallic Nucleoside Analogue. <i>ChemBioChem</i> , 2020, 21, 2487-2494.	1.3	15
49	Microfocus x-ray fluorescence mapping of tumour penetration by an organo-ruthenium anticancer complex. <i>Journal of Inorganic Biochemistry</i> , 2018, 185, 26-29.	1.5	14
50	Strategies for conjugating iridium(III) anticancer complexes to targeting peptides via copper-free click chemistry. <i>Inorganica Chimica Acta</i> , 2020, 503, 119396.	1.2	13
51	Determination of the Aggregate Binding Site of Amyloid Protofibrils Using Electron Capture Dissociation Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 267-276.	1.2	12
52	Synchrotron XRF imaging of Alzheimer's disease basal ganglia reveals linear dependence of high-field magnetic resonance microscopy on tissue iron concentration. <i>Journal of Neuroscience Methods</i> , 2019, 319, 28-39.	1.3	10
53	Study of an Unusual Advanced Glycation End-Product (AGE) Derived from Glyoxal Using Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 673-683.	1.2	9
54	Unexpected Crosslinking and Diglycation as Advanced Glycation End-Products from Glyoxal. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 2125-2133.	1.2	9

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55	Inâ€Cell Activation of Organoâ€Osmium(II) Anticancer Complexes. <i>Angewandte Chemie</i> , 2017, 129, 1037-1040.	1.6	9
56	Does deamidation of islet amyloid polypeptide accelerate amyloid fibril formation?. <i>Chemical Communications</i> , 2018, 54, 13853-13856.	2.2	9
57	Kinetic analysis of the accumulation of a half-sandwich organo-osmium pro-drug in cancer cells. <i>Metallomics</i> , 2019, 11, 1648-1656.	1.0	9
58	Structure-activity relationships for osmium(II) arene phenylazopyridine anticancer complexes functionalised with alkoxy and glycolic substituents. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111154.	1.5	7
59	Bioactive half-sandwich Rh and Ir bipyridyl complexes containing artemisinin. <i>Journal of Inorganic Biochemistry</i> , 2021, 219, 111408.	1.5	7
60	Effect of cysteine thiols on the catalytic and anticancer activity of Ru(II) sulfonyl-ethylenediamine complexes. <i>Dalton Transactions</i> , 2022, 51, 4447-4457.	1.6	7
61	Correction to Organometallic Iridium(III) Anticancer Complexes with New Mechanisms of Action: NCI-60 Screening, Mitochondrial Targeting, and Apoptosis. <i>ACS Chemical Biology</i> , 2013, 8, 2345-2345.	1.6	5
62	Platinum(IV)-azido monocarboxylato complexes are photocytotoxic under irradiation with visible light. <i>Dalton Transactions</i> , 2021, 50, 10593-10607.	1.6	5
63	Genomics-Driven Discovery of a Novel Glutarimide Antibiotic from <i>Burkholderia gladioli</i> Reveals an Unusual Polyketide Synthase Chain Release Mechanism. <i>Angewandte Chemie</i> , 2020, 132, 23345-23353.	1.6	3
64	NMR studies of group 8 metallodrugs: ¹⁸⁷ Os-enriched organo-osmium half-sandwich anticancer complex. <i>Dalton Transactions</i> , 2021, 50, 12970-12981.	1.6	3
65	A ferrocene-containing nucleoside analogue targets DNA replication in pancreatic cancer cells. <i>Metallomics</i> , 2022, 14, .	1.0	1
66	Frontispiece: Synchrotron X-ray Fluorescence Nanoprobe Reveals Target Sites for Organo-Osmium Complex in Human Ovarian Cancer Cells. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
67	Frontispiece: Organometallic Conjugates of the Drug Sulfadoxine for Combatting Antimicrobial Resistance. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0