

# Isolda Romero Canelon

## List of Publications by Citations

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64  
papers

2,779  
citations

28  
h-index

52  
g-index

70  
ext. papers

3,190  
ext. citations

5.9  
avg. IF

5.48  
L-index

#	Paper	IF	Citations
64	Next-generation metal anticancer complexes: multitargeting via redox modulation. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12276-91	5.1	303
63	The potent oxidant anticancer activity of organoiridium catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3941-6	16.4	239
62	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> , <b>2013</b> , 56, 1291-300	8.3	177
61	Transfer hydrogenation catalysis in cells as a new approach to anticancer drug design. <i>Nature Communications</i> , <b>2015</b> , 6, 6582	17.4	170
60	Organometallic Iridium(III) anticancer complexes with new mechanisms of action: NCI-60 screening, mitochondrial targeting, and apoptosis. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 1335-43	4.9	120
59	Asymmetric transfer hydrogenation by synthetic catalysts in cancer cells. <i>Nature Chemistry</i> , <b>2018</b> , 10, 347-354	17.6	117
58	Contrasting Anticancer Activity of Half-Sandwich Iridium(III) Complexes Bearing Functionally Diverse 2-Phenylpyridine Ligands. <i>Organometallics</i> , <b>2015</b> , 34, 2683-2694	3.8	89
57	Potent Half-Sandwich Iridium(III) Anticancer Complexes Containing CN-Chelated and Pyridine Ligands. <i>Organometallics</i> , <b>2014</b> , 33, 5324-5333	3.8	89
56	Supramolecular Photoactivatable Anticancer Hydrogels. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5656-5659	16.4	85
55	The Potent Oxidant Anticancer Activity of Organoiridium Catalysts. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4023-4027	17.0	70
54	Nanoparticles of chitosan conjugated to organo-ruthenium complexes. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1058-1064	6.8	67
53	Designing Ruthenium Anticancer Drugs: What Have We Learnt from the Key Drug Candidates?. <i>Inorganics</i> , <b>2019</b> , 7, 31	2.9	60
52	Enhancement of Selectivity of an Organometallic Anticancer Agent by Redox Modulation. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 7874-80	8.3	60
51	Discovery and Biosynthesis of Gladiolin: A Burkholderia gladioli Antibiotic with Promising Activity against Mycobacterium tuberculosis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7974-7981	16.4	59
50	Synchrotron X-Ray Fluorescence Nanoprobe Reveals Target Sites for Organo-Osmium Complex in Human Ovarian Cancer Cells. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2512-2516	4.8	59
49	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> , <b>2015</b> , 112, E3800-5	11.5	59
48	In-Cell Activation of Organo-Osmium(II) Anticancer Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1017-1020	16.4	55

47	Half-Sandwich Arene Ruthenium(II) and Osmium(II) Thiosemicarbazone Complexes: Solution Behavior and Antiproliferative Activity. <i>Organometallics</i> , <b>2018</b> , 37, 891-899	3.8	51
46	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> , <b>2014</b> , 6, 1014-22	4.5	51
45	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> , <b>2016</b> , 160, 210-7	4.2	49
44	Contrasting cellular uptake pathways for chlorido and iodido iminopyridine ruthenium arene anticancer complexes. <i>Metallomics</i> , <b>2012</b> , 4, 1271-9	4.5	49
43	Cyclic Peptide-Polymer Nanotubes as Efficient and Highly Potent Drug Delivery Systems for Organometallic Anticancer Complexes. <i>Biomacromolecules</i> , <b>2018</b> , 19, 239-247	6.9	49
42	Mitochondria-targeted spin-labelled luminescent iridium anticancer complexes. <i>Chemical Science</i> , <b>2017</b> , 8, 8271-8278	9.4	39
41	Half-sandwich rhodium(III) transfer hydrogenation catalysts: Reduction of NAD(+) and pyruvate, and antiproliferative activity. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 153, 322-333	4.2	39
40	Comparative cytotoxicity of artemisinin and cisplatin and their interactions with chlorogenic acids in MCF7 breast cancer cells. <i>ChemMedChem</i> , <b>2014</b> , 9, 2791-7	3.7	39
39	Transfer Hydrogenation and Antiproliferative Activity of Tethered Half-Sandwich Organoruthenium Catalysts. <i>Organometallics</i> , <b>2018</b> , 37, 1555-1566	3.8	37
38	Pharmaco-genomic investigations of organo-iridium anticancer complexes reveal novel mechanism of action. <i>Metallomics</i> , <b>2018</b> , 10, 93-107	4.5	32
37	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , <b>2014</b> , 175, 229-40	3.6	30
36	Systems approach to metal-based pharmacology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4187-8	11.5	26
35	The contrasting catalytic efficiency and cancer cell antiproliferative activity of stereoselective organoruthenium transfer hydrogenation catalysts. <i>Dalton Transactions</i> , <b>2016</b> , 45, 8367-78	4.3	26
34	Hydrosulfide Adducts of Organo-Iridium Anticancer Complexes. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2324-31	5.1	25
33	In Vivo Selectivity and Localization of Reactive Oxygen Species (ROS) Induction by Osmium Anticancer Complexes That Circumvent Platinum Resistance. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 9246-9255	8.3	25
32	Arene ruthenium dithiolato-carborane complexes for boron neutron capture therapy (BNCT). <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 796, 17-25	2.3	22
31	Palladium(ii) complexes with thiosemicarbazones derived from pyrene as topoisomerase IB inhibitors. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16509-16517	4.3	22
30	Organometallic Conjugates of the Drug Sulfadoxine for Combatting Antimicrobial Resistance. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10078	4.8	20

29	Spin-labelled photo-cytotoxic diazido platinum(IV) anticancer complex. <i>Dalton Transactions</i> , <b>2016</b> , 45, 13034-7	4.3	20
28	The potent anti-cancer activity of Dioclea lasiocarpa lectin. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 175, 179-189	4.2	19
27	Photoactivatable Cell-Selective Dinuclear trans-Diazidoplatinum(IV) Anticancer Prodrugs. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14409-14420	5.1	19
26	New activation mechanism for half-sandwich organometallic anticancer complexes. <i>Chemical Science</i> , <b>2018</b> , 9, 3177-3185	9.4	18
25	Effect of sulfonamidoethylenediamine substituents in Ru arene anticancer catalysts on transfer hydrogenation of coenzyme NAD by formate. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7178-7189	4.3	17
24	Towards Identification of Essential Structural Elements of Organoruthenium(II)-Pyridothione Complexes for Anticancer Activity. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14169-14182	4.8	16
23	Synthesis and Mode of Action Studies on Iridium(III) Anticancer Drug Candidates. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2461-2470	2.3	16
22	Microfocus x-ray fluorescence mapping of tumour penetration by an organo-osmium anticancer complex. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 185, 26-29	4.2	12
21	Genomics-Driven Discovery of a Novel Glutarimide Antibiotic from Burkholderia gladioli Reveals an Unusual Polyketide Synthase Chain Release Mechanism. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23145-23153	16.4	11
20	Photoactive platinum(IV) complex conjugated to a cancer-cell-targeting cyclic peptide. <i>Dalton Transactions</i> , <b>2019</b> , 48, 8560-8564	4.3	10
19	Nanofocused synchrotron X-ray absorption studies of the intracellular redox state of an organometallic complex in cancer cells. <i>Chemical Communications</i> , <b>2019</b> , 55, 7065-7068	5.8	9
18	Novel tetranuclear Pd and Pt anticancer complexes derived from pyrene thiosemicarbazones. <i>Dalton Transactions</i> , <b>2020</b> , 49, 9595-9604	4.3	9
17	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> , <b>2020</b> , 31, 267-276	3.5	9
16	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> , <b>2014</b> , 25, 673-83	3.5	9
15	Organoruthenium Complexes with Benzo-Fused Pyridiones Overcome Platinum Resistance in Ovarian Cancer Cells. <i>Cancers</i> , <b>2021</b> , 13,	6.6	9
14	In-Cell Activation of Organo-Osmium(II) Anticancer Complexes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1037-1040	3.6	8
13	Lysyl Oxidase Like-2 (LOXL2): An Emerging Oncology Target. <i>Advanced Therapeutics</i> , <b>2020</b> , 3, 1900119	4.9	8
12	Strategies for conjugating iridium(III) anticancer complexes to targeting peptides via copper-free click chemistry. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 503, 119396	2.7	7

11	Does deamidation of islet amyloid polypeptide accelerate amyloid fibril formation?. <i>Chemical Communications</i> , <b>2018</b> , 54, 13853-13856	5.8	7
10	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> , <b>2019</b> , 319, 28-39	3	6
9	Structure-activity relationships for osmium(II) arene phenylazopyridine anticancer complexes functionalised with alkoxy and glycolic substituents. <i>Journal of Inorganic Biochemistry</i> , <b>2020</b> , 210, 111154	4.2	6
8	Effect of Regiochemistry and Methylation on the Anticancer Activity of a Ferrocene-Containing Organometallic Nucleoside Analogue. <i>ChemBioChem</i> , <b>2020</b> , 21, 2487-2494	3.8	5
7	Unexpected crosslinking and diglycation as advanced glycation end-products from glyoxal. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 2125-33	3.5	5
6	Kinetic analysis of the accumulation of a half-sandwich organo-osmium pro-drug in cancer cells. <i>Metallomics</i> , <b>2019</b> , 11, 1648-1656	4.5	5
5	Correction to Organometallic Iridium(III) Anticancer Complexes with New Mechanisms of Action: NCI-60 Screening, Mitochondrial Targeting, and Apoptosis. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 2345-2345	4.9	4
4	Bioactive half-sandwich Rh and Ir bipyridyl complexes containing artemisinin. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 219, 111408	4.2	3
3	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> , <b>2020</b> , 132, 23345-23353	3.6	1
2	NMR studies of group 8 metallodrugs: Os-enriched organo-osmium half-sandwich anticancer complex. <i>Dalton Transactions</i> , <b>2021</b> , 50, 12970-12981	4.3	1
1	Platinum(IV)-azido monocarboxylato complexes are photocytotoxic under irradiation with visible light. <i>Dalton Transactions</i> , <b>2021</b> , 50, 10593-10607	4.3	1