

Isolda Romero Canelon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Organoruthenium Complexes with Benzo-Fused Pyrithiones Overcome Platinum Resistance in Ovarian Cancer Cells. <i>Cancers</i> , 2021 , 13,	6.6	9
63	Bioactive half-sandwich Rh and Ir bipyridyl complexes containing artemisinin. <i>Journal of Inorganic Biochemistry</i> , 2021 , 219, 111408	4.2	3
62	NMR studies of group 8 metallodrugs: Os-enriched organo-osmium half-sandwich anticancer complex. <i>Dalton Transactions</i> , 2021 , 50, 12970-12981	4.3	1
61	Platinum(IV)-azido monocarboxylato complexes are photocytotoxic under irradiation with visible light. <i>Dalton Transactions</i> , 2021 , 50, 10593-10607	4.3	1
60	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	4.2	6
59	Novel tetranuclear Pd and Pt anticancer complexes derived from pyrene thiosemicarbazones. <i>Dalton Transactions</i> , 2020 , 49, 9595-9604	4.3	9
58	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	3.5	9
57	Lysyl Oxidase Like-2 (LOXL2): An Emerging Oncology Target. <i>Advanced Therapeutics</i> , 2020 , 3, 1900119	4.9	8
56	Effect of Regiochemistry and Methylation on the Anticancer Activity of a Ferrocene-Containing Organometallic Nucleoside Analogue. <i>ChemBioChem</i> , 2020 , 21, 2487-2494	3.8	5
55	Strategies for conjugating iridium(III) anticancer complexes to targeting peptides via copper-free click chemistry. <i>Inorganica Chimica Acta</i> , 2020 , 503, 119396	2.7	7
54	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	3.6	1
53	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	16.4	11
52	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	5.8	9
51	Photoactive platinum(IV) complex conjugated to a cancer-cell-targeting cyclic peptide. <i>Dalton Transactions</i> , 2019 , 48, 8560-8564	4.3	10
50	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	3	6
49	Designing Ruthenium Anticancer Drugs: What Have We Learnt from the Key Drug Candidates?. <i>Inorganics</i> , 2019 , 7, 31	2.9	60
48	Towards Identification of Essential Structural Elements of Organoruthenium(II)-Pyrithionato Complexes for Anticancer Activity. <i>Chemistry - A European Journal</i> , 2019 , 25, 14169-14182	4.8	16

47	Palladium(ii) complexes with thiosemicarbazones derived from pyrene as topoisomerase IB inhibitors. <i>Dalton Transactions</i> , 2019 , 48, 16509-16517	4.3	22
46	Kinetic analysis of the accumulation of a half-sandwich organo-osmium pro-drug in cancer cells. <i>Metallomics</i> , 2019 , 11, 1648-1656	4.5	5
45	Half-Sandwich Arene Ruthenium(II) and Osmium(II) Thiosemicarbazone Complexes: Solution Behavior and Antiproliferative Activity. <i>Organometallics</i> , 2018 , 37, 891-899	3.8	51
44	New activation mechanism for half-sandwich organometallic anticancer complexes. <i>Chemical Science</i> , 2018 , 9, 3177-3185	9.4	18
43	Transfer Hydrogenation and Antiproliferative Activity of Tethered Half-Sandwich Organoruthenium Catalysts. <i>Organometallics</i> , 2018 , 37, 1555-1566	3.8	37
42	Effect of sulfonamidoethylenediamine substituents in Ru arene anticancer catalysts on transfer hydrogenation of coenzyme NAD by formate. <i>Dalton Transactions</i> , 2018 , 47, 7178-7189	4.3	17
41	Organometallic Conjugates of the Drug Sulfadoxine for Combatting Antimicrobial Resistance. <i>Chemistry - A European Journal</i> , 2018 , 24, 10078	4.8	20
40	Asymmetric transfer hydrogenation by synthetic catalysts in cancer cells. <i>Nature Chemistry</i> , 2018 , 10, 347-354	17.6	117
39	Cyclic Peptide-Polymer Nanotubes as Efficient and Highly Potent Drug Delivery Systems for Organometallic Anticancer Complexes. <i>Biomacromolecules</i> , 2018 , 19, 239-247	6.9	49
38	Pharmaco-genomic investigations of organo-iridium anticancer complexes reveal novel mechanism of action. <i>Metallomics</i> , 2018 , 10, 93-107	4.5	32
37	Does deamidation of islet amyloid polypeptide accelerate amyloid fibril formation?. <i>Chemical Communications</i> , 2018 , 54, 13853-13856	5.8	7
36	Photoactivatable Cell-Selective Dinuclear trans-Diazidoplatinum(IV) Anticancer Prodrugs. <i>Inorganic Chemistry</i> , 2018 , 57, 14409-14420	5.1	19
35	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> , 2018 , 61, 9246-9255	8.3	25
34	Microfocus x-ray fluorescence mapping of tumour penetration by an organo-osmium anticancer complex. <i>Journal of Inorganic Biochemistry</i> , 2018 , 185, 26-29	4.2	12
33	Synthesis and Mode of Action Studies on Iridium(I)NHC Anticancer Drug Candidates. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2461-2470	2.3	16
32	Supramolecular Photoactivatable Anticancer Hydrogels. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5656-5659	16.4	85
31	Discovery and Biosynthesis of Gladiolin: A Burkholderia gladioli Antibiotic with Promising Activity against Mycobacterium tuberculosis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7974-7981	16.4	59
30	In-Cell Activation of Organo-Osmium(II) Anticancer Complexes. <i>Angewandte Chemie</i> , 2017 , 129, 1037-1040	3.6	8

29	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	4.8	59
28	In-Cell Activation of Organo-Osmium(II) Anticancer Complexes. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1017-1020	16.4	55
27	Mitochondria-targeted spin-labelled luminescent iridium anticancer complexes. <i>Chemical Science</i> , 2017 , 8, 8271-8278	9.4	39
26	The potent anti-cancer activity of Dioclea lasiocarpa lectin. <i>Journal of Inorganic Biochemistry</i> , 2017 , 175, 179-189	4.2	19
25	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, 210-7	4.2	49
24	Hydrosulfide Adducts of Organo-Iridium Anticancer Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 2324-31	5.1	25
23	Nanoparticles of chitosan conjugated to organo-ruthenium complexes. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1058-1064	6.8	67
22	Spin-labelled photo-cytotoxic diazido platinum(IV) anticancer complex. <i>Dalton Transactions</i> , 2016 , 45, 13034-7	4.3	20
21	The contrasting catalytic efficiency and cancer cell antiproliferative activity of stereoselective organoruthenium transfer hydrogenation catalysts. <i>Dalton Transactions</i> , 2016 , 45, 8367-78	4.3	26
20	Arene ruthenium dithiolato-barborane complexes for boron neutron capture therapy (BNCT). <i>Journal of Organometallic Chemistry</i> , 2015 , 796, 17-25	2.3	22
19	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	11.5	59
18	Systems approach to metal-based pharmacology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 4187-8	11.5	26
17	Contrasting Anticancer Activity of Half-Sandwich Iridium(III) Complexes Bearing Functionally Diverse 2-Phenylpyridine Ligands. <i>Organometallics</i> , 2015 , 34, 2683-2694	3.8	89
16	Transfer hydrogenation catalysis in cells as a new approach to anticancer drug design. <i>Nature Communications</i> , 2015 , 6, 6582	17.4	170
15	Enhancement of Selectivity of an Organometallic Anticancer Agent by Redox Modulation. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 7874-80	8.3	60
14	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	4.2	39
13	The potent oxidant anticancer activity of organoiridium catalysts. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3941-6	16.4	239
12	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, 673-83	3.5	9

11	Unexpected crosslinking and diglycation as advanced glycation end-products from glyoxal. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 2125-33	3.5	5
10	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, 1014-22	4.5	51
9	The Potent Oxidant Anticancer Activity of Organoiridium Catalysts. <i>Angewandte Chemie</i> , 2014 , 126, 4023-4027	3.6	70
8	Potent Half-Sandwich Iridium(III) Anticancer Complexes Containing CN-Chelated and Pyridine Ligands. <i>Organometallics</i> , 2014 , 33, 5324-5333	3.8	89
7	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , 2014 , 175, 229-40	3.6	30
6	Comparative cytotoxicity of artemisinin and cisplatin and their interactions with chlorogenic acids in MCF7 breast cancer cells. <i>ChemMedChem</i> , 2014 , 9, 2791-7	3.7	39
5	Next-generation metal anticancer complexes: multitargeting via redox modulation. <i>Inorganic Chemistry</i> , 2013 , 52, 12276-91	5.1	303
4	Organometallic Iridium(III) anticancer complexes with new mechanisms of action: NCI-60 screening, mitochondrial targeting, and apoptosis. <i>ACS Chemical Biology</i> , 2013 , 8, 1335-43	4.9	120
3	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, 1291-300	8.3	177
2	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	4.9	4
1	Contrasting cellular uptake pathways for chlorido and iodido iminopyridine ruthenium arene anticancer complexes. <i>Metallomics</i> , 2012 , 4, 1271-9	4.5	49