

# Catarina Roma-Rodrigues

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6547540/publications.pdf>

Version: 2024-02-01

58  
papers

2,756  
citations

304368

22  
h-index

182168

51  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4588  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting Tumor Microenvironment for Cancer Therapy. International Journal of Molecular Sciences, 2019, 20, 840.	1.8	822
2	Heterocyclic Anticancer Compounds: Recent Advances and the Paradigm Shift towards the Use of Nanomedicine's Tool Box. Molecules, 2015, 20, 16852-16891.	1.7	471
3	Exosome in Tumour Microenvironment: Overview of the Crosstalk between Normal and Cancer Cells. BioMed Research International, 2014, 2014, 1-10.	0.9	184
4	Gene Therapy in Cancer Treatment: Why Go Nano?. Pharmaceutics, 2020, 12, 233.	2.0	127
5	Copper(II) complexes of functionalized 2,2',6'-terpyridines and 2,6-di(thiazol-2-yl)pyridine: structure, spectroscopy, cytotoxicity and catalytic activity. Dalton Transactions, 2017, 46, 9591-9604.	1.6	69
6	Genetics of hypertrophic cardiomyopathy: advances and pitfalls in molecular diagnosis and therapy. The Application of Clinical Genetics, 2014, 7, 195.	1.4	60
7	Nanotheranostics Targeting the Tumor Microenvironment. Frontiers in Bioengineering and Biotechnology, 2019, 7, 197.	2.0	58
8	Response of Pseudomonas putida KT2440 to phenol at the level of membrane proteome. Journal of Proteomics, 2010, 73, 1461-1478.	1.2	54
9	Tumor Microenvironment Modulation via Gold Nanoparticles Targeting Malicious Exosomes: Implications for Cancer Diagnostics and Therapy. International Journal of Molecular Sciences, 2017, 18, 162.	1.8	50
10	Peptide-coated gold nanoparticles for modulation of angiogenesis in vivo. International Journal of Nanomedicine, 2016, 11, 2633.	3.3	47
11	Smuggling gold nanoparticles across cell types – A new role for exosomes in gene silencing. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1389-1398.	1.7	46
12	Heteroleptic mononuclear compounds of ruthenium(II): synthesis, structural analyses, in vitro antitumor activity and in vivo toxicity on zebrafish embryos. Dalton Transactions, 2016, 45, 19127-19140.	1.6	45
13	GLUT1 and GLUT3 involvement in anthocyanin gastric transport- Nanobased targeted approach. Scientific Reports, 2019, 9, 789.	1.6	42
14	Dinuclear Ru(II)(bipy) <sub>2</sub> Derivatives: Structural, Biological, and in Vivo Zebrafish Toxicity Evaluation. Inorganic Chemistry, 2017, 56, 7127-7144.	1.9	40
15	Convergence of miR-143 overexpression, oxidative stress and cell death in HCT116 human colon cancer cells. PLoS ONE, 2018, 13, e0191607.	1.1	39
16	Spectroscopy, electrochemistry and antiproliferative properties of Au(III), Pt(II) and Cu(II) complexes bearing modified 2,2',6'-terpyridine ligands. Dalton Transactions, 2018, 47, 6444-6463.	1.0	37
17	The Intracellular Number of Magnetic Nanoparticles Modulates the Apoptotic Death Pathway after Magnetic Hyperthermia Treatment. ACS Applied Materials & Interfaces, 2020, 12, 43474-43487.	4.0	36
18	Square planar Au(III), Pt(II) and Cu(II) complexes with quinoline-substituted 2,2',6'-terpyridine ligands: From in Vitro to in Vivo biological properties. European Journal of Medicinal Chemistry, 2021, 218, 113404.	2.6	32

#	ARTICLE	IF	CITATIONS
19	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 14654-14667.	1.7	31
20	<i>Streptococcus dysgalactiae</i> subsp. <i>dysgalactiae</i> isolated from milk of the bovine udder as emerging pathogens: In vitro and in vivo infection of human cells and zebrafish as biological models. <i>MicrobiologyOpen</i> , 2019, 8, e00623.	1.2	30
21	Mixed ligand aroylhydrazone and N-donor heterocyclic Lewis base Cu(II) complexes as potential antiproliferative agents. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 267-275.	1.5	28
22	Counteracting the effect of leukemia exosomes by antiangiogenic gold nanoparticles. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6843-6854.	3.3	23
23	Important cytotoxic and cytostatic effects of new copper phosphane compounds with N,N, N,O and N,S bidentate ligands. <i>Dalton Transactions</i> , 2018, 47, 7819-7829.	1.6	22
24	Occurrence of non-toxic bioemulsifiers during polyhydroxyalkanoate production by <i>Pseudomonas</i> strains valorizing crude glycerol by-product. <i>Bioresource Technology</i> , 2019, 281, 31-40.	4.8	20
25	MicroRNAs Based Therapy of Hypertrophic Cardiomyopathy: The Road Traveled So Far. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	19
26	Hyperthermia Induced by Gold Nanoparticles and Visible Light Phototherapy Combined with Chemotherapy to Tackle Doxorubicin Sensitive and Resistant Colorectal Tumor 3D Spheroids. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8017.	1.8	19
27	Genetic Biomarkers in Chronic Myeloid Leukemia: What Have We Learned So Far?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12516.	1.8	19
28	Half-Sandwich Ru( <i>p</i> -cymene) Compounds with Diphosphanes: In Vitro and In Vivo Evaluation As Potential Anticancer Metalloodrugs. <i>Inorganic Chemistry</i> , 2021, 60, 2914-2930.	1.9	18
29	Characterization of antiproliferative potential and biological targets of a copper compound containing 4-phenyl terpyridine. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 935-948.	1.1	17
30	In Vitro and In Vivo Effect of Palladacycles: Targeting A2780 Ovarian Carcinoma Cells and Modulation of Angiogenesis. <i>Inorganic Chemistry</i> , 2021, 60, 3939-3951.	1.9	17
31	EPR and electrochemical interpretation of bispyrazolylacetate anchored Ni(II) and Mn(II) complexes: cytotoxicity and anti-proliferative activity towards human cancer cell lines. <i>New Journal of Chemistry</i> , 2018, 42, 9126-9139.	1.4	15
32	Biofilm development and computational screening for new putative inhibitors of a homolog of the regulatory protein BrpA in <i>Streptococcus dysgalactiae</i> subsp. <i>dysgalactiae</i> . <i>International Journal of Medical Microbiology</i> , 2019, 309, 169-181.	1.5	15
33	Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 137-152.	0.5	15
34	New Insights on <i>Streptococcus dysgalactiae</i> subsp. <i>dysgalactiae</i> Isolates. <i>Frontiers in Microbiology</i> , 2021, 12, 686413.	1.5	14
35	Exploiting the antiproliferative potential of spiropyrazoline oxindoles in a human ovarian cancer cell line. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 30, 115880.	1.4	12
36	Combined cancer therapeutics—Tackling the complexity of the tumor microenvironment. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021, 13, e1704.	3.3	12

#	ARTICLE	IF	CITATIONS
37	Infection of human keratinocytes by <i>Streptococcus dysgalactiae</i> subspecies <i>dysgalactiae</i> isolated from milk of the bovine udder. <i>Microbes and Infection</i> , 2016, 18, 290-293.	1.0	11
38	Targeting canine mammary tumours via gold nanoparticles functionalized with promising Co(II) and Zn(II) compounds. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 1537-1542.	0.8	11
39	Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110789.	1.5	11
40	A quantitative proteomic approach to highlight <i>Phragmites</i> sp. adaptation mechanisms to chemical stress induced by a textile dyeing pollutant. <i>Science of the Total Environment</i> , 2016, 573, 788-798.	3.9	10
41	Understanding the response of <i>Desulfovibrio desulfuricans</i> ATCC 27774 to the electron acceptors nitrate and sulfate - biosynthetic costs modulate substrate selection. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 1455-1469.	1.1	10
42	Cation-mediated gelation of the fucose-rich polysaccharide FucoPol: preparation and characterization of hydrogel beads and their cytotoxicity assessment. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 90-99.	1.8	10
43	<i>Rosa x hybrida</i> extracts with dual actions: Antiproliferative effects against tumour cells and inhibitor of Alzheimer disease. <i>Food and Chemical Toxicology</i> , 2021, 149, 112018.	1.8	10
44	Immortalization and characterization of a new canine mammary tumour cell line FR37â€CMT. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 952-967.	0.8	9
45	Synthesis of new hetero-arylidene-9(10H)-anthrone derivatives and their biological evaluation. <i>Bioorganic Chemistry</i> , 2020, 99, 103849.	2.0	9
46	Teaching expression proteomics: From the wetâ€Clab to the laptop. <i>Biochemistry and Molecular Biology Education</i> , 2009, 37, 279-286.	0.5	8
47	A new Cu(II)-O-Carvacrotonate complex: Synthesis, characterization and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2019, 190, 31-37.	1.5	7
48	Triazole-Based Half-Sandwich Ruthenium(II) Compounds: From <i>In Vitro</i> Antiproliferative Potential to <i>In Vivo</i> Toxicity Evaluation. <i>Inorganic Chemistry</i> , 2021, 60, 8011-8026.	1.9	7
49	Aggregation versus Biological Activity in Gold(I) Complexes. An Unexplored Concept. <i>Inorganic Chemistry</i> , 2021, 60, 18753-18763.	1.9	7
50	Synthesis, Cytotoxicity Evaluation in Human Cell Lines and <i>In Vitro</i> DNA Interaction of a Heteroâ€Carylideneâ€C9(10H)-anthrone. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 545-549.	1.2	6
51	Structural aspects of a trimetallic Cu <sup>II</sup> derivative: cytotoxicity and anti-proliferative activity on human cancer cell lines. <i>Journal of Coordination Chemistry</i> , 2019, 72, 920-940.	0.8	5
52	Liquid biopsies in myeloid malignancies. , 2019, 2, 1044-1061.		5
53	Zn(II) and Co(II) derivatives anchored with scorpionate precursor: Antiproliferative evaluation in human cancer cell lines. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110881.	1.5	4
54	Manganese(I) tricarbonyl complexes as potential anticancer agents. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 49-64.	1.1	4

#	ARTICLE	IF	CITATIONS
55	Synthesis of tetrahydro-1 <i>H</i> -indolo[2,3- <i>b</i> ]pyrrolo[3,2- <i>c</i> ]quinolones via intramolecular oxidative ring rearrangement of tetrahydro-1 <i>2</i> -carbolines and their biological evaluation. <i>New Journal of Chemistry</i> , 2018, 42, 6538-6547.	1.4	3
56	Evaluation of the In Vitro and In Vivo Efficacy of Ruthenium Polypyridyl Compounds against Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8916.	1.8	3
57	The Important Role of the Nuclearity, Rigidity, and Solubility of Phosphane Ligands in the Biological Activity of Gold(I) Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 14571-14571.	1.7	1
58	OMICS approaches to reveal Burkholderia cenocepacia adaptive strategies to long-term residence in the lungs of cystic fibrosis patients under antibiotic therapy. , 2011, , .		0