

Julia Lorenzo Rivera

List of Publications by Year in descending order

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101
papers

3,176
citations

136740

32
h-index

174990

52
g-index

104
all docs

104
docs citations

104
times ranked

5218
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Validation of a Bioinspired Catechol-Functionalized Pt(IV) Prodrug for Preclinical Intranasal Glioblastoma Treatment. <i>Cancers</i> , 2022, 14, 410.	1.7	9
2	Intranasal Administration of Catechol-Based Pt(IV) Coordination Polymer Nanoparticles for Glioblastoma Therapy. <i>Nanomaterials</i> , 2022, 12, 1221.	1.9	4
3	Synthesis and In Vitro Studies of Photoactivatable Semisquaraine-type Pt(II) Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 7729-7745.	1.9	1
4	Copper(II) <i>N,N,O</i> -Chelating Complexes as Potential Anticancer Agents. <i>Inorganic Chemistry</i> , 2021, 60, 2939-2952.	1.9	30
5	Bioinspired Theranostic Coordination Polymer Nanoparticles for Intranasal Dopamine Replacement in Parkinson's Disease. <i>ACS Nano</i> , 2021, 15, 8592-8609.	7.3	50
6	Functionalized azobenzene platinum(II) complexes as putative anticancer compounds. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 435-453.	1.1	1
7	Carboxypeptidase inhibition by NvCI suppresses airway hyperreactivity in a mouse asthma model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2234-2237.	2.7	6
8	Magnetic, fluorescent and hybrid nanoparticles: From synthesis to application in biosystems. <i>Materials Science and Engineering C</i> , 2020, 106, 110104.	3.8	60
9	Surface engineering of silica nanoparticles with a gadolinium-PCTA complex for efficient T ₁ -weighted MRI contrast agents. <i>New Journal of Chemistry</i> , 2020, 44, 18031-18047.	1.4	4
10	Substrate Specificity and Structural Modeling of Human Carboxypeptidase Z: A Unique Protease with a Frizzled-Like Domain. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8687.	1.8	3
11	Study and Preparation of Multifunctional Poly(L-Lysine)@Hyaluronic Acid Nanopolyplexes for the Effective Delivery of Tumor Suppressive MiR-34a into Triple-Negative Breast Cancer Cells. <i>Materials</i> , 2020, 13, 5309.	1.3	8
12	Luminescent silicon-based nanocarrier for drug delivery in colorectal cancer cells. <i>Dyes and Pigments</i> , 2020, 181, 108393.	2.0	8
13	Nanoscale coordination polymers for medicine and sensors. <i>Advances in Inorganic Chemistry</i> , 2020, , 3-31.	0.4	3
14	Iridium(III) coordination of N(6) modified adenine derivatives with aminoacid chains. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 111000.	1.5	7
15	Time-Dependent Cytotoxic Properties of Terpyridine-Based Copper Complexes. <i>ChemBioChem</i> , 2020, 21, 2348-2355.	1.3	12
16	Characterization, Recombinant Production and Structure-Function Analysis of NvCI, A Picomolar Metallo-carboxypeptidase Inhibitor from the Marine Snail <i>Nerita versicolor</i> . <i>Marine Drugs</i> , 2019, 17, 511.	2.2	4
17	Synthesis and Structural/Functional Characterization of Selective M14 Metallo-carboxypeptidase Inhibitors Based on Phosphinic Pseudopeptide Scaffold: Implications on the Design of Specific Optical Probes. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1917-1931.	2.9	8
18	New Cyclams and Their Copper(II) and Iron(III) Complexes: Synthesis and Potential Application as Anticancer Agents. <i>ChemMedChem</i> , 2019, 14, 770-778.	1.6	11

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19	Versatile iron-catechol-based nanoscale coordination polymers with antiretroviral ligand functionalization and their use as efficient carriers in HIV/AIDS therapy. <i>Biomaterials Science</i> , 2019, 7, 178-186.	2.6	27
20	Crystal structures of N6-modified-amino acid related nucleobase analogs (II): hybrid adenine- β -alanine and adenine-GABA molecules. <i>New Journal of Chemistry</i> , 2019, 43, 9680-9688.	1.4	13
21	Studying the reactivity of α -old-Cu(II) complexes for novel-anticancer purposes. <i>Journal of Inorganic Biochemistry</i> , 2019, 195, 51-60.	1.5	11
22	Inhibitors of aldehyde dehydrogenases of the 1A subfamily as putative anticancer agents: Kinetic characterization and effect on human cancer cells. <i>Chemico-Biological Interactions</i> , 2019, 306, 123-130.	1.7	17
23	Silica Coated Iron/Iron Oxide Nanoparticles as a Nano-Platform for T2 Weighted Magnetic Resonance Imaging. <i>Molecules</i> , 2019, 24, 4629.	1.7	24
24	Adding value to the chia (<i>Salvia hispanica</i> L.) expeller: Production of bioactive peptides with antioxidant properties by enzymatic hydrolysis with Papain. <i>Food Chemistry</i> , 2019, 274, 848-856.	4.2	100
25	Sustainable synthesis of luminescent CdTe quantum dots coated with modified silica mesoporous nanoparticles: Towards new protein scavengers and smart drug delivery carriers. <i>Dyes and Pigments</i> , 2019, 161, 360-369.	2.0	32
26	Evaluation of the metal-dependent cytotoxic behaviour of coordination compounds. <i>Dalton Transactions</i> , 2018, 47, 4902-4908.	1.6	21
27	Crystal structure and mechanism of human carboxypeptidase O: Insights into its specific activity for acidic residues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E3932-E3939.	3.3	15
28	Pt(IV)-based nanoscale coordination polymers: Antitumor activity, cellular uptake and interactions with nuclear DNA. <i>Chemical Engineering Journal</i> , 2018, 340, 94-102.	6.6	30
29	Biochemical characterization of the YBPCI miniprotein, the first carboxypeptidase inhibitor isolated from Yellow Bell Pepper (<i>Capsicum annum</i> L). A novel contribution to the knowledge of miniproteins stability. <i>Protein Expression and Purification</i> , 2018, 144, 55-61.	0.6	8
30	Dual-Fluorescent Nanoscale Coordination Polymers via a Mixed-Ligand Synthetic Strategy and Their Use for Multichannel Imaging. <i>ChemNanoMat</i> , 2018, 4, 183-193.	1.5	14
31	Squaramide-Based Pt(II) Complexes as Potential Oxygen-Regulated Light-Triggered Photocages. <i>Inorganic Chemistry</i> , 2018, 57, 15517-15525.	1.9	7
32	Dual T_1 / T_2 Nanoscale Coordination Polymers as Novel Contrast Agents for MRI: A Preclinical Study for Brain Tumor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38819-38832.	4.0	50
33	Design and synthesis of new antitumor agents with the 1,7-epoxycyclononane framework. Study of their anticancer action mechanism by a model compound. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3379-3398.	1.4	1
34	Biochemical and MALDI-TOF Mass Spectrometric Characterization of a Novel Native and Recombinant Cystine Knot Miniprotein from <i>Solanum tuberosum</i> subsp. <i>andigenum</i> cv. Churqueña. <i>International Journal of Molecular Sciences</i> , 2018, 19, 678.	1.8	7
35	Conserved effects and altered trafficking of Cetuximab antibodies conjugated to gold nanoparticles with precise control of their number and orientation. <i>Nanoscale</i> , 2017, 9, 6111-6121.	2.8	33
36	Identification of Carboxypeptidase Substrates by C-Terminal COFRADIC. <i>Methods in Molecular Biology</i> , 2017, 1574, 115-133.	0.4	4

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37	New iron cyclopentadienyl complexes bearing different phosphane co-ligands: Structural factors vs. cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2017, 852, 34-42.	0.8	22
38	Substrate specificity of human metallopeptidase D: Comparison of the two active carboxypeptidase domains. <i>PLoS ONE</i> , 2017, 12, e0187778.	1.1	6
39	Biocompatible polydopamine-like particles for the removal of heavy metals at extremely low concentrations. <i>RSC Advances</i> , 2016, 6, 40058-40066.	1.7	28
40	pH-Responsive Relaxometric Behaviour of Coordination Polymer Nanoparticles Made of a Stable Macrocyclic Gadolinium Chelate. <i>Chemistry - A European Journal</i> , 2016, 22, 13162-13170.	1.7	8
41	The molecular shape and the field similarities as criteria to interpret SAR studies for fragment-based design of platinum(IV) anticancer agents. Correlation of physicochemical properties with cytotoxicity. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 69, 39-60.	1.3	7
42	Microplate Assay to Study Carboxypeptidase A Inhibition in Andean Potatoes. <i>Bio-protocol</i> , 2016, 6, .	0.2	4
43	Biochemical characterization of a novel carboxypeptidase inhibitor from a variety of Andean potatoes. <i>Phytochemistry</i> , 2015, 120, 36-45.	1.4	7
44	Vanadium(IV) and copper(II) complexes of salicylaldehydes and aromatic heterocycles: Cytotoxicity, DNA binding and DNA cleavage properties. <i>Journal of Inorganic Biochemistry</i> , 2015, 147, 134-146.	1.5	93
45	Antitumor and antiparasitic activity of novel ruthenium compounds with polycyclic aromatic ligands. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 38-47.	1.5	22
46	C-terminomics Screen for Natural Substrates of Cytosolic Carboxypeptidase 1 Reveals Processing of Acidic Protein C termini. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 177-190.	2.5	25
47	Biocatalytic synthesis, antimicrobial properties and toxicity studies of arginine derivative surfactants. <i>Amino Acids</i> , 2015, 47, 1465-1477.	1.2	20
48	Dual T ₁ /T ₂ MRI contrast agent based on hybrid SPION@coordination polymer nanoparticles. <i>RSC Advances</i> , 2015, 5, 86779-86783.	1.7	33
49	Synthesis, Culture Medium Stability, and In Vitro and In Vivo Zebrafish Embryo Toxicity of Metal-Organic Framework Nanoparticles. <i>Chemistry - A European Journal</i> , 2015, 21, 2508-2518.	1.7	208
50	Amyloid Formation by Human Carboxypeptidase D Transthyretin-like Domain under Physiological Conditions. <i>Journal of Biological Chemistry</i> , 2014, 289, 33783-33796.	1.6	18
51	The cytosolic carboxypeptidases CCP2 and CCP3 catalyze posttranslational removal of acidic amino acids. <i>Molecular Biology of the Cell</i> , 2014, 25, 3017-3027.	0.9	62
52	Influence of PPh ₃ moiety in the anticancer activity of new organometallic ruthenium complexes. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 1-12.	1.5	51
53	New iron(II) cyclopentadienyl derivative complexes: Synthesis and antitumor activity against human leukemia cancer cells. <i>Journal of Organometallic Chemistry</i> , 2014, 756, 52-60.	0.8	21
54	Synthesis, biological evaluation and SAR studies of novel bicyclic antitumor platinum(IV) complexes. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 374-388.	2.6	21

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55	Carboxyl Group (CO_2H) Functionalized Coordination Polymer Nanoparticles as Efficient Platforms for Drug Delivery. <i>Chemistry - A European Journal</i> , 2014, 20, 15443-15450.	1.7	49
56	A novel quinoline molecular probe and the derived functionalized gold nanoparticles: Sensing properties and cytotoxicity studies in MCF-7 human breast cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2014, 137, 115-122.	1.5	14
57	DNA binding studies of a series of cis-[Pt(Am) ₂ X ₂] complexes (Am=inert amine, X=labile carboxylato) Tj ETQq1 1 0,784314 rgBT /Over	1.2	19
58	Relaxometry Studies of a Highly Stable Nanoscale Metal-Organic Framework Made of Cu(II), Gd(III), and the Macrocyclic DOTA. <i>Journal of the American Chemical Society</i> , 2013, 135, 17711-17714.	6.6	69
59	Non-toxic fluorescent alanine-fluorescein probe with green emission for dual colorimetric/fluorimetric sensing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 269, 17-26.	2.0	16
60	Screening organometallic binuclear thiosemicarbazone ruthenium complexes as potential anti-tumour agents: cytotoxic activity and human serum albumin binding mechanism. <i>Dalton Transactions</i> , 2013, 42, 7131.	1.6	83
61	[RuCl ₂ (i ⁶ -cymene)(P*)] and [RuCl ₂ (i ⁶ -P*-arene)] Complexes Containing <i>P</i> -Stereogenic Phosphines. Activity in Transfer Hydrogenation and Interactions with DNA. <i>Organometallics</i> , 2013, 32, 2344-2362.	1.1	35
62	Proteome-derived Peptide Libraries to Study the Substrate Specificity Profiles of Carboxypeptidases. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2096-2110.	2.5	40
63	Functional segregation and emerging role of cilia-related cytosolic carboxypeptidases (CCPs). <i>FASEB Journal</i> , 2013, 27, 424-431.	0.2	31
64	Synthesis of functionalized fluorescent silver nanoparticles and their toxicological effect in aquatic environments (Goldfish) and HEPG2 cells. <i>Frontiers in Chemistry</i> , 2013, 1, 29.	1.8	19
65	The novel structure of a cytosolic M14 metallo-carboxypeptidase (CCP) from <i>Pseudomonas aeruginosa</i> : a model for mammalian CCPs. <i>FASEB Journal</i> , 2012, 26, 3754-3764.	0.2	15
66	Synthesis of Co-Organosilane-Au Nanocomposites via a Controlled Interphasic Reduction. <i>Chemistry of Materials</i> , 2012, 24, 4019-4027.	3.2	2
67	Facile Preparation of Cationic Gold Nanoparticle-Bioconjugates for Cell Penetration and Nuclear Targeting. <i>ACS Nano</i> , 2012, 6, 7692-7702.	7.3	100
68	Engineered nonviral nanocarriers for intracellular gene delivery applications. <i>Biomedical Materials (Bristol)</i> , 2012, 7, 054106.	1.7	33
69	Integrated approach to produce a recombinant, his-tagged human β -galactosidase a in mammalian cells. <i>Biotechnology Progress</i> , 2011, 27, 1206-1217.	1.3	17
70	DNA interaction and cytotoxicity studies of new ruthenium(II) cyclopentadienyl derivative complexes containing heteroaromatic ligands. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 241-249.	1.5	83
71	Vanadium polypyridyl compounds as potential antiparasitic and antitumoral agents: New achievements. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 303-312.	1.5	115
72	Influence of specific growth rate over the secretory expression of recombinant potato carboxypeptidase inhibitor in fed-batch cultures of <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2010, 45, 1334-1341.	1.8	13

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73	Integrated Approach to Optimize Transient Gene Expression in Mammalian Cells: Production of a Recombinant Human Alpha-galactosidase A. <i>Journal of Biotechnology</i> , 2010, 150, 436-437.	1.9	0
74	New ruthenium(II) mixed metallocene derived complexes: Synthesis, characterization by X-ray diffraction and evaluation on DNA interaction by atomic force microscopy. <i>Inorganica Chimica Acta</i> , 2010, 363, 3765-3775.	1.2	28
75	Characterization of the Substrate Specificity of Human Carboxypeptidase A4 and Implications for a Role in Extracellular Peptide Processing. <i>Journal of Biological Chemistry</i> , 2010, 285, 18385-18396.	1.6	57
76	Studies of the Antiproliferative Activity of Ruthenium (II) Cyclopentadienyl-Derived Complexes with Nitrogen Coordinated Ligands. <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-11.	1.8	35
77	Structure-Function Analysis of the Short Splicing Variant Carboxypeptidase Encoded by <i>Drosophila melanogaster</i> silver. <i>Journal of Molecular Biology</i> , 2010, 401, 465-477.	2.0	11
78	Cytotoxicity studies of [PtCl ₂ (H ₂ bim)] (H ₂ bim=2,2'-biimidazole): Study of its interaction with a small protein PCI (potato carboxypeptidase inhibitor). <i>Inorganica Chimica Acta</i> , 2009, 362, 946-952.	1.2	4
79	A novel vanadyl complex with a polypyridyl DNA intercalator as ligand: A potential anti-protozoa and anti-tumor agent. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1386-1394.	1.5	85
80	Insights into the Two-Domain Architecture of the Metallo-carboxypeptidase Inhibitor from the <i>Ascaris</i> Parasite Inferred from the Mechanism of Its Oxidative Folding. <i>Biochemistry</i> , 2009, 48, 8225-8232.	1.2	5
81	Synthesis, DNA interaction and cytotoxicity studies of cis-[1, 2-bis(aminomethyl)cyclohexane]dichloro]platinum(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 973-987.	1.5	21
82	Synthesis, characterization and antiproliferative studies of the enantiomers of cis-[(1,2-camphordiamine)dichloro]platinum(II) complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1721-1737.	1.4	39
83	Study by HPLC-MS of the interaction of platinum antitumor complexes with potato carboxypeptidase inhibitor (PCI). <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6832-6840.	1.4	3
84	Internalization of cystatin A in human cell lines. <i>FEBS Journal</i> , 2008, 275, 4571-4582.	2.2	48
85	New Palladium(II) and Platinum(II) Complexes with 9-Aminoacridine: Structures, Luminescence, Theoretical Calculations, and Antitumor Activity. <i>Inorganic Chemistry</i> , 2008, 47, 6990-7001.	1.9	89
86	Nal-like proteins are active metallo-carboxypeptidases of a new and diverse M14 subfamily. <i>FASEB Journal</i> , 2007, 21, 851-865.	0.2	95
87	Influence of the position of substituents in the cytotoxic activity of trans platinum complexes with hydroxymethyl pyridines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 969-979.	1.4	41
88	DNA interaction and antiproliferative behavior of the water soluble platinum supramolecular squares [(en)Pt(N ₄)] ₄ (NO ₃) ₈ (en=ethylenediamine, N ₄ =4,4'-bipyridine or Tj ETQqO O O rgBT /Overlock 10 Tf 50 107 Td (1,4-	1.9	107
89	Recombinant expression of disulfide-rich proteins: carboxypeptidase inhibitors as model proteins. <i>Microbial Cell Factories</i> , 2006, 5, P47.	1.9	1
90	Palladium(II) and Platinum(II) Organometallic Complexes with the Model Nucleobase Anions of Thymine, Uracil, and Cytosine: Antitumor Activity and Interactions with DNA of the Platinum Compounds. <i>Inorganic Chemistry</i> , 2006, 45, 6347-6360.	1.9	82

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91	Synthesis, Characterization and Biological Activity of trans-Platinum(II) and trans-Platinum(IV) Complexes with 4-Hydroxymethylpyridine. <i>ChemBioChem</i> , 2005, 6, 2068-2077.	1.3	19
92	A Carboxypeptidase Inhibitor from the Tick <i>Rhipicephalus bursa</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 3441-3448.	1.6	70
93	The Three-Dimensional Structures of Tick Carboxypeptidase Inhibitor in Complex with A/B Carboxypeptidases Reveal a Novel Double-headed Binding Mode. <i>Journal of Molecular Biology</i> , 2005, 350, 489-498.	2.0	57
94	Mechanism of action of potato carboxypeptidase inhibitor (PCI) as an EGF blocker. <i>Cancer Letters</i> , 2005, 226, 169-184.	3.2	30
95	New Palladium(II) and Platinum(II) Complexes with the Model Nucleobase 1-Methylcytosine: Antitumor Activity and Interactions with DNA. <i>Inorganic Chemistry</i> , 2005, 44, 7365-7376.	1.9	107
96	Role of Kinetic Intermediates in the Folding of Leech Carboxypeptidase Inhibitor. <i>Journal of Biological Chemistry</i> , 2004, 279, 37261-37270.	1.6	26
97	Water-soluble platinum(II) complexes of diamine chelating ligands bearing amino-acid type substituents: the effect of the linked amino acid and the diamine chelate ring size on antitumor activity, and interactions with 5'-GMP and DNA. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1933-1946.	1.5	39
98	Secondary Binding Site of the Potato Carboxypeptidase Inhibitor. Contribution to Its Structure, Folding, and Biological Properties. <i>Biochemistry</i> , 2004, 43, 7973-7982.	1.2	18
99	Platinum complexes of diaminocarboxylic acids and their ethyl ester derivatives: the effect of the chelate ring size on antitumor activity and interactions with GMP and DNA. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 493-502.	1.5	45
100	Human pancreatic ribonuclease 1. <i>Cancer</i> , 2000, 89, 1252-1258.	2.0	16
101	Cyclam-based compounds as a novel class of antibacterial and antitumoral agents. , 0, , .		0