

# Cristina N  ez Gonz  lez

## List of Publications by Year in descending order

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76  
papers

1,755  
citations

257450

24  
h-index

315739

38  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Proteins Associated with Response and Resistance to Neoadjuvant Chemotherapy in HER2-Positive Breast Cancer. <i>Cancers</i> , 2022, 14, 1087.	3.7	7
2	SWATH-MS Protocols in Human Diseases. <i>Methods in Molecular Biology</i> , 2021, 2259, 105-141.	0.9	8
3	Protein Extraction From FFPE Kidney Tissue Samples: A Review of the Literature and Characterization of Techniques. <i>Frontiers in Medicine</i> , 2021, 8, 657313.	2.6	10
4	Detection of Circulating Serum Protein Biomarkers of Non-Muscle Invasive Bladder Cancer after Protein Corona-Silver Nanoparticles Analysis by SWATH-MS. <i>Nanomaterials</i> , 2021, 11, 2384.	4.1	12
5	Blood-based protein biomarkers in bladder urothelial tumors. <i>Journal of Proteomics</i> , 2021, 247, 104329.	2.4	10
6	Proteomics as a Complementary Technique to Characterize Bladder Cancer. <i>Cancers</i> , 2021, 13, 5537.	3.7	4
7	Potential clinical applications of the personalized, disease-specific protein corona on nanoparticles. <i>Clinica Chimica Acta</i> , 2020, 501, 102-111.	1.1	26
8	Proteomic investigation on bio-corona of Au, Ag and Fe nanoparticles for the discovery of triple negative breast cancer serum protein biomarkers. <i>Journal of Proteomics</i> , 2020, 212, 103581.	2.4	41
9	Identification of a Profile of Neutrophil-Derived Granule Proteins in the Surface of Gold Nanoparticles after Their Interaction with Human Breast Cancer Sera. <i>Nanomaterials</i> , 2020, 10, 1223.	4.1	12
10	Protein Corona Gold Nanoparticles Fingerprinting Reveals a Profile of Blood Coagulation Proteins in the Serum of HER2-Overexpressing Breast Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8449.	4.1	15
11	A Novel Nanoproteomic Approach for the Identification of Molecular Targets Associated with Thyroid Tumors. <i>Nanomaterials</i> , 2020, 10, 2370.	4.1	17
12	A new series of lanthanide complexes with the trans-disubstituted Py <sub>2</sub> [18]aneN <sub>6</sub> macrocyclic ligand: synthesis, structures and properties. <i>Polyhedron</i> , 2019, 160, 180-188.	2.2	5
13	Proteomic analysis of the bio-corona formed on the surface of (Au, Ag, Pt)-nanoparticles in human serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 141-148.	5.0	28
14	Blood-based protein biomarkers in breast cancer. <i>Clinica Chimica Acta</i> , 2019, 490, 113-127.	1.1	51
15	Inorganic nanoparticles in diagnosis and treatment of breast cancer. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 331-345.	2.6	66
16	Novel functionalized nanomaterials for the effective enrichment of proteins and peptides with post-translational modifications. <i>Journal of Proteomics</i> , 2018, 181, 170-189.	2.4	12
17	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , 2018, 7, 9-52.	1.9	75
18	Synthesis, coordination properties and DFT studies of novel <i>trans</i> -disubstituted hexaaza-macrocycles containing pyridine and/or ethyldioxolane arms. <i>Journal of Coordination Chemistry</i> , 2018, 71, 3099-3116.	2.2	0

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19	Improving the SMM and luminescence properties of lanthanide complexes with LnO <sub>9</sub> cores in the presence of Zn <sup>II</sup> : an emissive Zn <sub>2</sub> Dy single ion magnet. Dalton Transactions, 2017, 46, 17000-17009.	3.3	32
20	Novel di-substituted hexaaza-macrocyclic ligands bearing hydrazine and/or indole arms: synthesis, sensor properties and catalytic activity. Inorganica Chimica Acta, 2017, 456, 34-43.	2.4	6
21	Porphyrin-rhodamine conjugates as new materials with sensing ability. Dyes and Pigments, 2016, 135, 113-126.	3.7	9
22	An overview of the effective combination therapies for the treatment of breast cancer. Biomaterials, 2016, 97, 34-50.	11.4	117
23	Probing metal cations with two new Schiff base bischromophoric pyrene based chemosensors: Synthesis, photophysics and interactions patterns. Dyes and Pigments, 2016, 134, 601-612.	3.7	8
24	Pollutant toxic ions and molecules. A global pollution problem: trends in detection and protection. Environmental Science and Pollution Research, 2016, 23, 24419-24421.	5.3	9
25	Novel trans-disubstituted hexaaza-macrocyclic ligands containing pyridine head units: Synthesis, disubstitution and colorimetric properties. Sensors and Actuators B: Chemical, 2016, 225, 481-491.	7.8	10
26	An unusual highly emissive water-soluble iridium lissamine-alanine complex and its use in a molecular logic gate. Dalton Transactions, 2016, 45, 1254-1258.	3.3	4
27	Revisiting the use of gold and silver functionalised nanoparticles as colorimetric and fluorometric chemosensors for metal ions. Sensors and Actuators B: Chemical, 2015, 212, 297-328.	7.8	123
28	Polycatenar unsymmetrical $\hat{I}^2$ -diketonate ligands as a useful tool to induce columnar mesomorphism on highly luminescent boron difluoride complexes. Journal of Materials Chemistry C, 2014, 2, 9653-9665.	5.5	32
29	Selecting pyrazole-based silver complexes for efficient liquid crystal and luminescent materials. Dyes and Pigments, 2014, 110, 159-168.	3.7	18
30	Novel chromogenic macrocyclic molecular probes with logic gate function using anion/cation inputs. Dyes and Pigments, 2014, 110, 143-151.	3.7	9
31	New-coated fluorescent silver nanoparticles with a fluorescein thiol ester derivative: fluorescent enhancement upon interaction with heavy metal ions. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	14
32	From yellow to pink using a fluorimetric and colorimetric pyrene derivative and mercury (II) ions. Dyes and Pigments, 2014, 110, 152-158.	3.7	21
33	Preparation and ion recognition features of porphyrinâ€“chalcone type compounds as efficient red-fluorescent materials. Journal of Materials Chemistry C, 2014, 2, 4772-4783.	5.5	21
34	A New 3,5â€“Bisporphyrinylpyridine Derivative as a Fluorescent Ratiometric Probe for Zinc Ions. Chemistry - A European Journal, 2014, 20, 6684-6692.	3.3	37
35	New rhodamine dimer probes for mercury detection via color changes and enhancement of the fluorescence emission: Fast recognition inâ€“cellulose supported devices. Dyes and Pigments, 2014, 101, 156-163.	3.7	38
36	Rhodamineâ€“Appended Bipyridine: XOR and OR Logic Operations Integrated in an Example of Controlled Metal Migration. ChemistryOpen, 2014, 3, 190-198.	1.9	7

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37	A mesofluidic platform integrating on-chip probe ultrasonication for multiple sample pretreatment involving denaturation, reduction, and digestion in protein identification assays by mass spectrometry. <i>Analyst</i> , 2014, 139, 992-995.	3.5	7
38	Spectroscopic and photophysical studies of a naphthalene-based emissive probe for metal cations. <i>Inorganic Chemistry Communication</i> , 2014, 47, 27-32.	3.9	4
39	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.	3.5	14
40	Synthesis, Spectroscopy Studies, and Theoretical Calculations of New Fluorescent Probes Based on Pyrazole Containing Porphyrins for Zn(II), Cd(II), and Hg(II) Optical Detection. <i>Inorganic Chemistry</i> , 2014, 53, 6149-6158.	4.0	55
41	Synthesis, spectroscopic studies and in vitro antibacterial activity of Ibuprofen and its derived metal complexes. <i>Inorganic Chemistry Communication</i> , 2014, 45, 61-65.	3.9	24
42	1D chain fluorescein-functionalized gold and silver nanoparticles as new optical mercury chemosensor in aqueous media. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	17
43	Bis(o-methylserotonin)-containing iridium(III) and ruthenium(II) complexes as new cellular imaging dyes: synthesis, applications, and photophysical and computational studies. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 679-692.	2.6	9
44	The first substituted macrocyclic ligand Py2N4S2 containing four naphthylmethylene pendant-armed groups: Synthesis and photophysical properties. <i>Inorganic Chemistry Communication</i> , 2013, 36, 22-26.	3.9	6
45	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped Polymer Studies. <i>ChemPlusChem</i> , 2013, 78, 1230-1243.	2.8	25
46	Polyamine Ligand-Mediated Self-Assembly of Gold and Silver Nanoparticles into Chainlike Structures in Aqueous Solution: Towards New Nanostructured Chemosensors. <i>ChemistryOpen</i> , 2013, 2, 166-166.	1.9	0
47	Polyamine Ligand-Mediated Self-Assembly of Gold and Silver Nanoparticles into Chainlike Structures in Aqueous Solution: Towards New Nanostructured Chemosensors. <i>ChemistryOpen</i> , 2013, 2, 200-207.	1.9	13
48	Silver-pyrazole complexes as hybrid multifunctional materials with metallomesogenic and photoluminescent behaviour. <i>Dalton Transactions</i> , 2013, 42, 2107-2120.	3.3	42
49	Colorimetric macrocyclic anion probes bearing nitrophenylurea and nitrophenylthiourea binding groups. <i>Tetrahedron</i> , 2013, 69, 4578-4585.	1.9	15
50	Steady-State and Time-Resolved Investigations on Pyrene-Based Chemosensors. <i>Inorganic Chemistry</i> , 2013, 52, 121-129.	4.0	33
51	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped Polymer Studies. <i>ChemPlusChem</i> , 2013, 78, 1210-1210.	2.8	1
52	MolBank, 2012, 2012, M768.	0.5	2
53	N1-Benzylidene-N2-(2-((2-((2-benzylideneamino)ethyl)amino)ethyl)amino)ethyl)ethane-1,2-diamine. MolBank, 2012, 2012, M779.	0.5	0
54	N1-((1H-Indazol-5-yl)methylene)-N2-(2-((2-((2-((1H-indazol-6-yl)methylene)amino)ethyl)amino)ethyl)amino)ethyl)ethane-1,2-diamine. MolBank, 2012, 2012, M770.	0.5	0

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55	Fast human serum profiling through chemical depletion coupled to gold-nanoparticle-assisted protein separation. <i>Talanta</i> , 2012, 100, 239-245.	5.5	28
56	Matrix-assisted laser desorption/ionisation time of flight spectrometry for the fast screening of oxosteroids using aromatic hydrated hydrazines as versatile probes. <i>Talanta</i> , 2012, 100, 262-269.	5.5	7
57	Novel emissive phenylurea-based macrocyclic chemosensor: Synthesis, fluorescent and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 381, 85-94.	2.4	10
58	Versatile Schiff-base hydrazone fluorescent receptors: Synthesis, spectroscopy and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 380, 40-49.	2.4	5
59	Novel emissive podands based on 8-OH-quinoline: Synthesis, fluorescence materials, DFT and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 381, 218-228.	2.4	11
60	Dinuclear Cobalt(II) and Copper(II) Complexes with a Py <sub>2</sub> N <sub>4</sub> S <sub>2</sub> Macrocyclic Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 5596-5604.	4.0	13
61	Novel Small Stable Gold Nanoparticles Bearing Fluorescent Cysteine-Coumarin Probes as New Metal-Modulated Chemosensors. <i>Inorganic Chemistry</i> , 2011, 50, 8797-8807.	4.0	33
62	Novel versatile imine-enamine chemosensor based on 6-nitro-4-oxo-4H-chromene for ion detection in solution, solid and gas-phase: synthesis, emission, computational and MALDI-TOF-MS studies. <i>Tetrahedron</i> , 2011, 67, 326-333.	1.9	12
63	Synthesis and photophysical studies of two luminescent chemosensors based on catechol and 8-Hydroxyquinoline chromophores, and their complexes with group 13 metal ions. <i>Inorganic Chemistry Communication</i> , 2011, 14, 831-835.	3.9	14
64	Synthesis of metal complexes with a novel ethyldioxolane pendant-arm hexaazamacrocyclic ligand. <i>Polyhedron</i> , 2010, 29, 126-133.	2.2	9
65	Anion sensing properties of new colorimetric chemosensors based on macrocyclic ligands bearing three nitrophenylurea groups. <i>Tetrahedron</i> , 2010, 66, 9223-9230.	1.9	48
66	2-((Pyren-1-ylmethylamino)methyl)quinolin-8-ol. <i>MolBank</i> , 2010, 2010, M698.	0.5	0
67	Light and colour as analytical detection tools: A journey into the periodic table using polyamines to bio-inspired systems as chemosensors. <i>Chemical Society Reviews</i> , 2010, 39, 2948.	38.1	193
68	New dinuclear nickel(ii) and iron(ii) complexes with a macrocyclic ligand containing a N6S2 donor-set: Synthesis, structural, MALDI-TOF-MS, magnetic and spectroscopic studies. <i>Dalton Transactions</i> , 2010, 39, 7673.	3.3	24
69	Structural, MALDI-TOF-MS, Magnetic and Spectroscopic Studies of New Dinuclear Copper(ii), Cobalt(ii) and Zinc(ii) Complexes Containing a Biomimicking 1/4-OH bridge. <i>Dalton Transactions</i> , 2010, 39, 11654.	3.3	16
70	Solid-State and Solution Structure of Lanthanide(III) Complexes with a Flexible Py <sub>6</sub> N <sub>6</sub> Macrocyclic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1086-1095.	2.0	14
71	Synthesis and evaluation of new thienyl and bithienyl-bis-indolylmethanes as colorimetric sensors for anions. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 362-366.	1.9	28
72	Water soluble dinuclear complexes with a hexaaza macrocyclic ligand bearing four acetohydrazide groups. <i>Inorganica Chimica Acta</i> , 2009, 362, 3454-3460.	2.4	14

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73	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , 2009, 65, 6179-6188.	1.9	33
74	Exploiting anionic and cationic interactions with a new emissive imine-based 1 <sup>2</sup> -naphthol molecular probe. <i>Inorganic Chemistry Communication</i> , 2009, 12, 905-912.	3.9	15
75	Synthesis, spectroscopic, structural and complexation studies of a new tetra-naphthylmethylene pendant-armed macrocyclic ligand. <i>Inorganica Chimica Acta</i> , 2008, 361, 2183-2194.	2.4	21
76	A hexaaza macrocyclic ligand containing acetohydrazide pendants for Ln(iii) complexation in aqueous solution. Solid-state and solution structures and DFT calculations. <i>Dalton Transactions</i> , 2008, , 3841.	3.3	26