

Cristina N  ez Gonz  lez

List of Publications by Year in descending order

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76
papers

1,755
citations

257101

24
h-index

315357

38
g-index

82
all docs

82
docs citations

82
times ranked

2563
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	18.7	193
2	Revisiting the use of gold and silver functionalised nanoparticles as colorimetric and fluorometric chemosensors for metal ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 297-328.	4.0	123
3	An overview of the effective combination therapies for the treatment of breast cancer. <i>Biomaterials</i> , 2016, 97, 34-50.	5.7	117
4	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , 2018, 7, 9-52.	0.9	75
5	Inorganic nanoparticles in diagnosis and treatment of breast cancer. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 331-345.	1.1	66
6	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.	1.9	55
7	Blood-based protein biomarkers in breast cancer. <i>Clinica Chimica Acta</i> , 2019, 490, 113-127.	0.5	51
8	Anion sensing properties of new colorimetric chemosensors based on macrocyclic ligands bearing three nitrophenylurea groups. <i>Tetrahedron</i> , 2010, 66, 9223-9230.	1.0	48
9	Silver-pyrazole complexes as hybrid multifunctional materials with metallomesogenic and photoluminescent behaviour. <i>Dalton Transactions</i> , 2013, 42, 2107-2120.	1.6	42
10	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.	1.2	41
11	New rhodamine dimer probes for mercury detection via color changes and enhancement of the fluorescence emission: Fast recognition in cellulose supported devices. <i>Dyes and Pigments</i> , 2014, 101, 156-163.	2.0	38
12	A New 3,5-Bisporphyrinylpyridine Derivative as a Fluorescent Ratiometric Probe for Zinc Ions. <i>Chemistry - A European Journal</i> , 2014, 20, 6684-6692.	1.7	37
13	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , 2009, 65, 6179-6188.	1.0	33
14	Novel Small Stable Gold Nanoparticles Bearing Fluorescent Cysteine-Coumarin Probes as New Metal-Modulated Chemosensors. <i>Inorganic Chemistry</i> , 2011, 50, 8797-8807.	1.9	33
15	Steady-State and Time-Resolved Investigations on Pyrene-Based Chemosensors. <i>Inorganic Chemistry</i> , 2013, 52, 121-129.	1.9	33
16	Polycatenar unsymmetrical β^2 -diketonate ligands as a useful tool to induce columnar mesomorphism on highly luminescent boron difluoride complexes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9653-9665.	2.7	32
17	Improving the SMM and luminescence properties of lanthanide complexes with LnO ₉ cores in the presence of Zn ^{II} : an emissive Zn ₂ Dy single ion magnet. <i>Dalton Transactions</i> , 2017, 46, 17000-17009.	1.6	32
18	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.	0.9	28

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19	Fast human serum profiling through chemical depletion coupled to gold-nanoparticle-assisted protein separation. <i>Talanta</i> , 2012, 100, 239-245.	2.9	28
20	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.	2.5	28
21	A hexaaza macrocyclic ligand containing aceto-hydrazide pendants for Ln(III) complexation in aqueous solution. Solid-state and solution structures and DFT calculations. <i>Dalton Transactions</i> , 2008, , 3841.	1.6	26
22	Potential clinical applications of the personalized, disease-specific protein corona on nanoparticles. <i>Clinica Chimica Acta</i> , 2020, 501, 102-111.	0.5	26
23	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped Polymer Studies. <i>ChemPlusChem</i> , 2013, 78, 1230-1243.	1.3	25
24	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.	1.6	24
25	Synthesis, spectroscopic studies and in vitro antibacterial activity of Ibuprofen and its derived metal complexes. <i>Inorganic Chemistry Communication</i> , 2014, 45, 61-65.	1.8	24
26	Synthesis, spectroscopic, structural and complexation studies of a new tetra-naphthylmethylene pendant-armed macrocyclic ligand. <i>Inorganica Chimica Acta</i> , 2008, 361, 2183-2194.	1.2	21
27	From yellow to pink using a fluorimetric and colorimetric pyrene derivative and mercury (II) ions. <i>Dyes and Pigments</i> , 2014, 110, 152-158.	2.0	21
28	Preparation and ion recognition features of porphyrin-chalcone type compounds as efficient red-fluorescent materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4772-4783.	2.7	21
29	Selecting pyrazole-based silver complexes for efficient liquid crystal and luminescent materials. <i>Dyes and Pigments</i> , 2014, 110, 159-168.	2.0	18
30	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.	0.8	17
31	A Novel Nanoproteomic Approach for the Identification of Molecular Targets Associated with Thyroid Tumors. <i>Nanomaterials</i> , 2020, 10, 2370.	1.9	17
32	Structural, MALDI-TOF-MS, Magnetic and Spectroscopic Studies of New Dinuclear Copper(II), Cobalt(II) and Zinc(II) Complexes Containing a Biomimicking β^4 -OH bridge. <i>Dalton Transactions</i> , 2010, 39, 11654.	1.6	16
33	Exploiting anionic and cationic interactions with a new emissive imine-based β^2 -naphthol molecular probe. <i>Inorganic Chemistry Communication</i> , 2009, 12, 905-912.	1.8	15
34	Colorimetric macrocyclic anion probes bearing nitrophenylurea and nitrophenylthiourea binding groups. <i>Tetrahedron</i> , 2013, 69, 4578-4585.	1.0	15
35	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.	1.8	15
36	Solid-State and Solution Structure of Lanthanide(III) Complexes with a Flexible Py ₆ Macrocyclic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1086-1095.	1.0	14

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37	Water soluble dinuclear complexes with a hexaaza macrocyclic ligand bearing four acetohydrazide groups. <i>Inorganica Chimica Acta</i> , 2009, 362, 3454-3460.	1.2	14
38	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.	1.8	14
39	New-coated fluorescent silver nanoparticles with a fluorescein thiol ester derivative: fluorescent enhancement upon interaction with heavy metal ions. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	14
40	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
41	Dinuclear Cobalt(II) and Copper(II) Complexes with a Py ₂ N ₄ S ₂ Macrocylic Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 5596-5604.	1.9	13
42	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.	0.9	13
43	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.	1.0	12
44	Novel functionalized nanomaterials for the effective enrichment of proteins and peptides with post-translational modifications. <i>Journal of Proteomics</i> , 2018, 181, 170-189.	1.2	12
45	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.	1.9	12
46	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.	1.9	12
47	Novel emissive podands based on 8-OH-quinoline: Synthesis, fluorescence materials, DFT and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 381, 218-228.	1.2	11
48	Novel emissive phenylurea-based macrocyclic chemosensor: Synthesis, fluorescent and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 381, 85-94.	1.2	10
49	Novel trans-disubstituted hexaaza-macrocyclic ligands containing pyridine head units: Synthesis, disubstitution and colorimetric properties. <i>Sensors and Actuators B: Chemical</i> , 2016, 225, 481-491.	4.0	10
50	Protein Extraction From FFPE Kidney Tissue Samples: A Review of the Literature and Characterization of Techniques. <i>Frontiers in Medicine</i> , 2021, 8, 657313.	1.2	10
51	Blood-based protein biomarkers in bladder urothelial tumors. <i>Journal of Proteomics</i> , 2021, 247, 104329.	1.2	10
52	Synthesis of metal complexes with a novel ethyldioxolane pendant-arm hexaazamacrocyclic ligand. <i>Polyhedron</i> , 2010, 29, 126-133.	1.0	9
53	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.	1.1	9
54	Novel chromogenic macrocyclic molecular probes with logic gate function using anion/cation inputs. <i>Dyes and Pigments</i> , 2014, 110, 143-151.	2.0	9

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55	Porphyrin-rhodamine conjugates as new materials with sensing ability. <i>Dyes and Pigments</i> , 2016, 135, 113-126.	2.0	9
56	Pollutant toxic ions and molecules. A global pollution problem: trends in detection and protection. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24419-24421.	2.7	9
57	Probing metal cations with two new Schiff base bischromophoric pyrene based chemosensors: Synthesis, photophysics and interactions patterns. <i>Dyes and Pigments</i> , 2016, 134, 601-612.	2.0	8
58	SWATH-MS Protocols in Human Diseases. <i>Methods in Molecular Biology</i> , 2021, 2259, 105-141.	0.4	8
59	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.	2.9	7
60	Rhodamine-Appended Bipyridine: XOR and OR Logic Operations Integrated in an Example of Controlled Metal Migration. <i>ChemistryOpen</i> , 2014, 3, 190-198.	0.9	7
61	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.	1.7	7
62	Circulating Proteins Associated with Response and Resistance to Neoadjuvant Chemotherapy in HER2-Positive Breast Cancer. <i>Cancers</i> , 2022, 14, 1087.	1.7	7
63	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.	1.8	6
64	Novel di-substituted hexaaza-macrocyclic ligands bearing hydrazine and/or indole arms: synthesis, sensor properties and catalytic activity. <i>Inorganica Chimica Acta</i> , 2017, 456, 34-43.	1.2	6
65	Versatile Schiff-base hydrazone fluorescent receptors: Synthesis, spectroscopy and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 380, 40-49.	1.2	5
66	A new series of lanthanide complexes with the trans-disubstituted Py2[18]aneN6 macrocyclic ligand: synthesis, structures and properties. <i>Polyhedron</i> , 2019, 160, 180-188.	1.0	5
67	Spectroscopic and photophysical studies of a naphthalene-based emissive probe for metal cations. <i>Inorganic Chemistry Communication</i> , 2014, 47, 27-32.	1.8	4
68	An unusual highly emissive water-soluble iridium lissamine-alanine complex and its use in a molecular logic gate. <i>Dalton Transactions</i> , 2016, 45, 1254-1258.	1.6	4
69	Proteomics as a Complementary Technique to Characterize Bladder Cancer. <i>Cancers</i> , 2021, 13, 5537.	1.7	4
70	MolBank, 2012, 2012, M768.	0.2	2
71	Functionalized Porphyrins as Red Fluorescent Probes for Metal Cations: Spectroscopic, MALDI-TOF Spectrometry, and Doped-Polymer Studies. <i>ChemPlusChem</i> , 2013, 78, 1210-1210.	1.3	1
72	2-((Pyren-1-ylmethylamino)methyl)quinolin-8-ol. MolBank, 2010, 2010, M698.	0.2	0

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73	N1-Benzylidene-N2-(2-((2-((benzylideneamino)ethyl)amino)ethyl)amino)ethane-1,2-diamine. MolBank, 2012, 2012, M779.	0.2	0
74	N1-((1H-Indazol-5-yl)methylene)-N2-(2-((2-((1H-indazol-6-yl)methylene)amino)ethyl)amino)ethyl)amino)ethyl)ethane-1,2-diamine. MolBank, 2012, 2012, M770.	0.2	0
75	Polyamine Ligand-Mediated Self-Assembly of Gold and Silver Nanoparticles into Chainlike Structures in Aqueous Solution: Towards New Nanostructured Chemosensors. ChemistryOpen, 2013, 2, 166-166.	0.9	0
76	Synthesis, coordination properties and DFT studies of novel <i>trans</i> -disubstituted hexaaza-macrocycles containing pyridine and/or ethyldioxolane arms. Journal of Coordination Chemistry, 2018, 71, 3099-3116.	0.8	0