

Carlos Lodeiro

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264 papers	5,921 citations	41 h-index	57 g-index
307 ext. papers	6,435 ext. citations	4.8 avg, IF	5.72 L-index

#	Paper	IF	Citations
264	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, 2948-76	58.5	179
263	Luminescent and chromogenic molecular probes based on polyamines and related compounds. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 1353-1383	23.2	137
262	Synthesis and ion sensing properties of new colorimetric and fluorimetric chemosensors based on bithienyl-imidazo-anthraquinone chromophores. <i>Organic Letters</i> , 2007 , 9, 3201-4	6.2	135
261	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	8.5	104
260	Binder-free rice husk-based silicon/graphene composite as energy efficient Li-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13437-13441	13	97
259	One-dimensional fluorescent stacking structure based on zinc mixed-complex salt encapsulated within an ice-like three-dimensional hydrogen-bonded water network. <i>CrystEngComm</i> , 2005 , 7, 294-296	3.3	88
258	An overview of the effective combination therapies for the treatment of breast cancer. <i>Biomaterials</i> , 2016 , 97, 34-50	15.6	87
257	Overview on modern approaches to speed up protein identification workflows relying on enzymatic cleavage and mass spectrometry-based techniques. <i>Analytica Chimica Acta</i> , 2009 , 650, 151-9	6.6	81
256	Synthesis and characterization of novel (oligo)thienyl-imidazo-phenanthrolines as versatile π -conjugated systems for several optical applications. <i>Tetrahedron</i> , 2008 , 64, 9230-9238	2.4	79
255	Corroles as anion chemosensors: exploiting their fluorescence behaviour from solution to solid-supported devices. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13811		71
254	Metal complexes with a new N(4)O(3) amine pendant-armed macrocyclic ligand: synthesis, characterization, crystal structures, and fluorescence studies. <i>Inorganic Chemistry</i> , 2003 , 42, 6768-79	5.1	70
253	New fluorescence PET systems based on N2S2 pyridine-anthracene-containing macrocyclic ligands. spectrophotometric, spectrofluorimetric, and metal ion binding studies. <i>Inorganic Chemistry</i> , 2005 , 44, 8105-15	5.1	59
252	Synthesis and H ⁺ , Cu ²⁺ , and Zn ²⁺ coordination behavior of a bis(fluorophoric) bibrachial lariat aza-crown. <i>Inorganic Chemistry</i> , 2004 , 43, 6114-22	5.1	59
251	Synthesis and characterisation of four novel N x O y -Schiff-base macrocyclic ligands and their metal complexes. <i>Transition Metal Chemistry</i> , 2003 , 28, 388-394	2.1	55
250	Multistate/multifunctional systems. A thermodynamic, kinetic, and photochemical investigation of the 4'-dimethylaminoflavylium compound. <i>Journal of the American Chemical Society</i> , 2003 , 125, 987-94	16.4	55
249	Reviewing the anaerobic digestion and co-digestion process of food waste from the perspectives on biogas production performance and environmental impacts. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 24435-24450	5.1	55
248	Intramolecular Excimer Formation in a Tripodal Polyamine Receptor Containing Three Naphthalene Fluorophores. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 6573-6578	3.4	54

247	Sample treatment for protein identification by mass spectrometry-based techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 996-1005	14.6	52
246	Potentiometric, NMR, and Fluorescence-Emission Studies on the Binding of Adenosine 5'-Triphosphate (ATP) by Open-Chain Polyamine Receptors Containing Naphthylmethyl and/or Anthrylmethyl Groups. <i>Helvetica Chimica Acta</i> , 2003 , 86, 3118-3135	2	52
245	Spectroscopy and coordination chemistry of a new bisnaphthalene-bisphenanthroline ligand displaying a sensing ability for metal cations. <i>Inorganic Chemistry</i> , 2005 , 44, 7449-58	5.1	51
244	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, 6149-58	5.1	50
243	Protonation and Zn(II) coordination by dipyrindine-containing macrocycles with different molecular architecture. A case of pH-controlled metal jumping outside-inside the macrocyclic cavity. <i>Inorganic Chemistry</i> , 2001 , 40, 2968-75	5.1	49
242	Zn ²⁺ /Cd ²⁺ optical discrimination by fluorescent chemosensors based on 8-hydroxyquinoline derivatives and sulfur-containing macrocyclic units. <i>Dalton Transactions</i> , 2013 , 42, 14516-30	4.3	48
241	Synthesis, Complexation and Spectrofluorometric Studies of a New NS3 Anthracene-Containing Macrocyclic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2997-3004	2.3	47
240	Columnar discotic Pt(II) metallomesogens as luminescence multifunctional materials with chemo and thermosensor abilities. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9167-9181	7.1	46
239	A new bis(1-naphthylimino)acenaphthene compound and its Pd(II) and Zn(II) complexes: synthesis, characterization, solid-state structures and density functional theory studies on the syn and anti isomers. <i>Inorganic Chemistry</i> , 2008 , 47, 7734-44	5.1	46
238	Complexation of aluminum(III) by anthocyanins and synthetic flavylum salts: A source for blue and purple color. <i>Inorganica Chimica Acta</i> , 2003 , 356, 51-61	2.7	46
237	Bioinspired systems for metal-ion sensing: new emissive peptide probes based on benzo[d]oxazole derivatives and their gold and silica nanoparticles. <i>Inorganic Chemistry</i> , 2011 , 50, 8834-49	5.1	45
236	Anion sensing properties of new colorimetric chemosensors based on macrocyclic ligands bearing three nitrophenylurea groups. <i>Tetrahedron</i> , 2010 , 66, 9223-9230	2.4	45
235	Silver and gold luminescent metallomesogens based on pyrazole ligands. <i>Dalton Transactions</i> , 2008 , 6912-24	4.3	45
234	Long Range Electron Transfer Quenching in Polyamine Chains Bearing a Terminal Naphthalene Unit. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 8207-8212	2.8	45
233	Exploring the interaction of mercury(II) by N(2)S(2) and NS(3) anthracene-containing macrocyclic ligands: photophysical, analytical, and structural studies. <i>Inorganic Chemistry</i> , 2007 , 46, 7818-26	5.1	44
232	A fluorescent chemosensor for Zn(II). Exciplex formation in solution and the solid state. <i>Dalton Transactions</i> , 2004 , 2180-7	4.3	44
231	A novel fluorescent chemosensor exhibiting exciplex emission. An example of an elementary molecular machine driven by pH and by light. <i>Chemical Communications</i> , 2000 , 1639-1640	5.8	44
230	Green and Red Fluorescent Dyes for Translational Applications in Imaging and Sensing Analytes: A Dual-Color Flag. <i>ChemistryOpen</i> , 2018 , 7, 9-52	2.3	44

229	Synthesis, Characterization and Metal Ion Detection of Novel Fluoroionophores Based on Heterocyclic Substituted Alanines. <i>Sensors</i> , 2007 , 7, 2096-2114	3.8	43
228	A zinc(II)-based receptor for ATP binding and hydrolysis. <i>Chemical Communications</i> , 2005 , 2630-2	5.8	43
227	. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 1015-1024	2.3	43
226	Alginate beads containing water treatment residuals for arsenic removal from water-formation and adsorption studies. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 24527-24539	5.1	41
225	Latest developments in sample treatment for 18O-isotopic labeling for proteomics mass spectrometry-based approaches: a critical review. <i>Talanta</i> , 2010 , 80, 1476-86	6.2	40
224	Zinc and cadmium complexes with an achiral symmetric helicand. Crystal structure of an enantiomerically pure Zn(II) monohelicate. <i>New Journal of Chemistry</i> , 2002 , 26, 1365-1370	3.6	40
223	Single and combined effects of aluminum (AlO) and zinc (ZnO) oxide nanoparticles in a freshwater fish, <i>Carassius auratus</i> . <i>Environmental Science and Pollution Research</i> , 2016 , 23, 24578-24591	5.1	39
222	Silver-pyrazole complexes as hybrid multifunctional materials with metallomesogenic and photoluminescent behaviour. <i>Dalton Transactions</i> , 2013 , 42, 2107-20	4.3	39
221	Hg ²⁺ detection by new anthracene pendant-arm derivatives of mixed N/S- and N/S/O-donor macrocycles: fluorescence, matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and density functional theory studies. <i>Inorganic Chemistry</i> , 2010 , 49, 8276-86	5.1	39
220	Metal complexes with a chiral N ₄ symmetrical Schiff base. Crystal structures of the ligand and its Cu(II) and Ni(II) θ ono-helicates \square <i>Dalton Transactions RSC</i> , 2002 , 870		38
219	Color tuning of a nickel complex with a novel N ₂ S ₂ pyridine-containing macrocyclic ligand. <i>Inorganic Chemistry</i> , 2006 , 45, 1140-9	5.1	37
218	New rhodamine dimer probes for mercury detection via color changes and enhancement of the fluorescence emission: Fast recognition in \square ellulose supported devices. <i>Dyes and Pigments</i> , 2014 , 101, 156-163	4.6	36
217	New terpyridine-containing macrocycle for the assembly of dimeric Zn(II) and Cu(II) complexes coupled by bridging hydroxide anions and π -stacking interactions. <i>Inorganic Chemistry</i> , 2004 , 43, 5134-46	5.1	36
216	Corrole and corrole functionalized silica nanoparticles as new metal ion chemosensors: a case of silver satellite nanoparticles formation. <i>Inorganic Chemistry</i> , 2013 , 52, 8564-72	5.1	35
215	Comparison of the structure and stability of new θ diimine complexes of copper(I) and silver(I): density functional theory versus experimental. <i>Inorganic Chemistry</i> , 2010 , 49, 8699-708	5.1	35
214	Magnetic, fluorescent and hybrid nanoparticles: From synthesis to application in biosystems. <i>Materials Science and Engineering C</i> , 2020 , 106, 110104	8.3	35
213	A new 3,5-bisporphyrinylpyridine derivative as a fluorescent ratiometric probe for zinc ions. <i>Chemistry - A European Journal</i> , 2014 , 20, 6684-92	4.8	34
212	Heteroaromatic alanine derivatives bearing (oligo)thiophene units: synthesis and photophysical properties. <i>Tetrahedron Letters</i> , 2008 , 49, 5258-5261	2	34

211	Energetics and Dynamics of Naphthalene Polyaminic Derivatives. Influence of Structural Design in the Balance Static vs Dynamic Excimer Formation. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 11307-11318	2.8	34
210	New coumarin-borrole and porphyrin conjugate multifunctional probes for anionic or cationic interactions: synthesis, spectroscopy, and solid supported studies. <i>Tetrahedron</i> , 2014 , 70, 3361-3370	2.4	33
209	New emissive dopamine derivatives as fluorescent chemosensors for metal ions: A CHEF effect for Al(III) interaction. <i>Inorganica Chimica Acta</i> , 2012 , 381, 203-211	2.7	32
208	Steady-state and time-resolved investigations on pyrene-based chemosensors. <i>Inorganic Chemistry</i> , 2013 , 52, 121-9	5.1	32
207	Multistate properties of 7-(N,N-diethylamino)-4'-hydroxyflavylium. An example of an unidirectional reaction cycle driven by pH. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2802-8	3.9	32
206	Exploring photophysical properties of new boron and palladium(II) complexes with β -diketone pyridine type ligands: from liquid crystals to metal fluorescence probes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1255-1263		31
205	Novel small stable gold nanoparticles bearing fluorescent cysteine-coumarin probes as new metal-modulated chemosensors. <i>Inorganic Chemistry</i> , 2011 , 50, 8797-807	5.1	31
204	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , 2009 , 65, 6179-6188	2.4	31
203	New gallium(III) corrole complexes as colorimetric probes for toxic cyanide anion. <i>Inorganica Chimica Acta</i> , 2014 , 417, 148-154	2.7	30
202	Polycatenar unsymmetrical β -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	7.1	30
201	Cyanide and fluoride colorimetric sensing by novel imidazo-anthraquinones functionalised with indole and carbazole. <i>Supramolecular Chemistry</i> , 2014 , 26, 71-80	1.8	30
200	Exploring the emissive properties of new azacrown compounds bearing aryl, furyl, or thienyl moieties: a special case of chelation enhancement of fluorescence upon interaction with Ca(2+), Cu(2+), or Ni(2+). <i>Inorganic Chemistry</i> , 2010 , 49, 10847-57	5.1	30
199	Switching from intramolecular energy transfer to intramolecular electron transfer by the action of pH and Zn ²⁺ co-ordination. <i>Chemical Physics Letters</i> , 2002 , 353, 63-68	2.5	30
198	Platinum(II) Metallomesogens: New External-Stimuli-Responsive Photoluminescence Materials. <i>Chemistry - A European Journal</i> , 2016 , 22, 10168-78	4.8	30
197	The Power of Ultrasound		30
196	Specific interaction of citrate with bis(fluorophoric) bibrachial lariat aza-crown in comparison with the other components of the Krebs cycle. <i>Chemical Communications</i> , 2006 , 3824-6	5.8	29
195	Basicity and coordination properties of a new phenanthroline-based bis-macrocyclic receptor. <i>Dalton Transactions</i> , 2006 , 4000-10	4.3	29
194	Intramolecular excimer formation and sensing behavior of new fluorimetric probes and their interactions with metal cations and barbituric acids. <i>Sensors and Actuators B: Chemical</i> , 2006 , 115, 276-286	8.5	29

193	Novel nanocomposites based on a strawberry-like gold-coated magnetite (Fe@Au) for protein separation in multiple myeloma serum samples. <i>Nano Research</i> , 2015 , 8, 1189-1198	10	28
192	Silver pyrazole complexes with tunable liquid crystals and luminescent properties. <i>New Journal of Chemistry</i> , 2010 , 34, 2766	3.6	28
191	Protonation and coordination properties towards Zn(II), Cd(II) and Hg(II) of a phenanthroline-containing macrocycle with an ethylamino pendant arm. <i>Dalton Transactions</i> , 2004 , 591-43	4.3	28
190	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	4.6	28
189	Multi-Stimuli-Responsive Properties of Aggregation-Enhanced Emission-Active Unsymmetrical Pt Metallomesogens through Self-Assembly. <i>Chemistry - A European Journal</i> , 2019 , 25, 12046-12051	4.8	27
188	Turn-on selective vitamin B6 derivative fluorescent probe for histidine detection in biological samples. <i>Analyst, The</i> , 2013 , 138, 3642-5	5	27
187	Fast human serum profiling through chemical depletion coupled to gold-nanoparticle-assisted protein separation. <i>Talanta</i> , 2012 , 100, 239-45	6.2	27
186	Luminescent liquid crystal materials based on unsymmetrical boron difluoride diketonate adducts. <i>New Journal of Chemistry</i> , 2010 , 34, 2937	3.6	27
185	Complexes of lead(II) and lanthanide(III) ions with two novel 26-membered-imine and -amine macrocycles derived from 2,6-bis(2-formylphenoxy)methylpyridine. <i>Inorganica Chimica Acta</i> , 1998 , 267, 55-62	2.7	27
184	A new family of NxOy pyridine-containing macrocycles: Synthesis and characterization of their Y(III), Ln(III), Zn(II), and Cd(II) coordination compounds. <i>Canadian Journal of Chemistry</i> , 2004 , 82, 437-447	0.9	27
183	Coordination chemistry of copper(II) with oxaza macrocyclic ligands. Crystal structure of a dinuclear tetramer copper(II) complex. <i>Polyhedron</i> , 2003 , 22, 1701-1710	2.7	27
182	Imidazo-benzo-15-crown-5 ethers bearing arylthienyl and bithienyl moieties as novel fluorescent chemosensors for Pd ²⁺ and Cu ²⁺ . <i>Tetrahedron</i> , 2011 , 67, 7106-7113	2.4	26
181	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	2.1	26
180	Neutral gold(I) metallosupramolecular compounds: synthesis and characterization, photophysical properties, and density functional theory studies. <i>Inorganic Chemistry</i> , 2008 , 47, 4952-62	5.1	26
179	Synthesis and evaluation of bipendant-armed (oligo)thiophene crown ether derivatives as new chemical sensors. <i>Tetrahedron Letters</i> , 2008 , 49, 6575-6578	2	26
178	A new tripodal poly-imine indole-containing ligand: Synthesis, complexation, spectroscopic and theoretical studies. <i>Inorganica Chimica Acta</i> , 2009 , 362, 2627-2635	2.7	25
177	Metal complexes with two tri-aza, tri-oxa pendant-armed macrocyclic ligands: Synthesis, characterization, crystal structures and fluorescence studies. <i>Inorganica Chimica Acta</i> , 2006 , 359, 2383-2394	2.7	25
176	Photochromic Properties of 3-Methyl-Substituted Flavylum Salts. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 2699	3.2	25

175	A seleno-pyrene selective probe for Hg 2+ detection in either aqueous or aprotic systems. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 311-318	8.5	24
174	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, 7673-83	4.3	24
173	Synthesis, characterization and spectroscopic studies of two new schiff-base bithienyl pendant-armed 15-crown-5 molecular probes. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 79-85	3.1	23
172	Synthesis, Characterization, and Photophysical Properties of 2-Hydroxybenzaldehyde [(1E)-1-pyridin-2-ylethylidene]hydrazone and Its Rhenium(I) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2713-2720	2.3	23
171	Multistate/multifunctional behaviour of 4'-hydroxy-6-nitroflavylium: a write-lock/read/unlock/enable-erase/erase cycle driven by light and pH stimulation. <i>Chemistry - A European Journal</i> , 2004 , 10, 1519-26	4.8	23
170	Metal complexes with four macrocyclic ligands derived from 2,6-bis(2-formylphenoxy)methylpyridine and 1,7-bis(2'-formylphenyl)-1,4,7-trioxaheptane. <i>Inorganica Chimica Acta</i> , 2003 , 343, 133-140	2.7	23
169	Revisiting HeckMizoroki reactions in ionic liquids. <i>RSC Advances</i> , 2013 , 3, 19219	3.7	22
168	Sensing metal ions with two new azomethineBthiophene pincer ligands (NSN): Fluorescence and MALDI-TOF-MS applications. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 925-929	3.1	22
167	Cu(II) and Ni(II) complexes with dipyridine-containing macrocyclic polyamines with different binding units. <i>Dalton Transactions</i> , 2003 , 1299-1307	4.3	22
166	A New ZnII Tweezer Pyridine-Naphthalene System [An Off-On-Off System Working in a Biological pH Window. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 4301-4308	2.3	22
165	Exploring the photocatalytic properties and the long-lifetime chemosensor ability of Cl(2)[Ru(Bpy)(2)L] (L = 2,5,8,11,14-pentaaza[15]-2,2'-bipyridilophane). <i>Inorganic Chemistry</i> , 2001 , 40, 6813-9	5.1	22
164	Proteomics analysis of the peritoneal dialysate effluent reveals the presence of calcium-regulation proteins and acute inflammatory response. <i>Clinical Proteomics</i> , 2014 , 11, 17	5	21
163	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	21
162	Synthesis, spectroscopic, structural and complexation studies of a new tetra-naphthylmethylene pendant-armed macrocyclic ligand. <i>Inorganica Chimica Acta</i> , 2008 , 361, 2183-2194	2.7	21
161	Structural and magnetic properties of a complete halide series of Ni(II) complexes with a pyridine-containing 14-membered macrocycle. <i>Inorganic Chemistry</i> , 2006 , 45, 7621-7	5.1	21
160	Novel Efunctionalized mono-charged porphyrinic derivatives: Synthesis and photoinactivation of Escherichia coli. <i>Dyes and Pigments</i> , 2019 , 160, 361-371	4.6	20
159	Synthesis, spectroscopic studies and in vitro antibacterial activity of Ibuprofen and its derived metal complexes. <i>Inorganic Chemistry Communication</i> , 2014 , 45, 61-65	3.1	20
158	Synthesis, characterization, photophysical studies and interaction with DNA of a new family of Ru(II) furyl- and thienyl-imidazo-phenanthroline polypyridyl complexes. <i>Inorganica Chimica Acta</i> , 2012 , 381, 95-103	2.7	20

157	Synthesis and characterization of novel indole-containing half-crowns as new emissive metal probes. <i>Tetrahedron Letters</i> , 2009 , 50, 4930-4933	2	20
156	An improved clean sonoreactor-based method for protein identification by mass spectrometry-based techniques. <i>Talanta</i> , 2008 , 77, 870-875	6.2	20
155	Preparation and ion recognition features of porphyrin-fluorene type compounds as efficient red-fluorescent materials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4772-4783	7.1	19
154	Direct matrix assisted laser desorption ionization mass spectrometry-based analysis of wine as a powerful tool for classification purposes. <i>Talanta</i> , 2012 , 91, 72-6	6.2	19
153	From dinuclear to tetranuclear zinc complexes through carboxylate donors: structural and luminescence studies. <i>New Journal of Chemistry</i> , 2008 , 32, 247-257	3.6	19
152	Lanthanide(III) Nitrate Complexes of Two 17 Membered N3O2-Donor Macrocycles. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999 , 35, 191-198		19
151	From yellow to pink using a fluorimetric and colorimetric pyrene derivative and mercury (II) ions. <i>Dyes and Pigments</i> , 2014 , 110, 152-158	4.6	18
150	Influence of the protein staining in the fast ultrasonic sample treatment for protein identification through peptide mass fingerprint and matrix-assisted laser desorption ionization time of flight mass spectrometry. <i>Journal of Proteome Research</i> , 2008 , 7, 2097-106	5.6	18
149	Structural and EPR studies on single-crystal and polycrystalline samples of copper(II) and cobalt(II) complexes with N2S2-based macrocyclic ligands. <i>Inorganic Chemistry</i> , 2007 , 46, 5665-72	5.1	18
148	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	2.3	17
147	Selecting pyrazole-based silver complexes for efficient liquid crystal and luminescent materials. <i>Dyes and Pigments</i> , 2014 , 110, 159-168	4.6	17
146	Ground and excited state properties of polyamine chains bearing two terminal naphthalene units. <i>Perkin Transactions II RSC</i> , 2002 , 991-998		17
145	Synthesis, characterization and biological evaluation of cationic porphyrin-terpyridine derivatives. <i>RSC Advances</i> , 2016 , 6, 110674-110685	3.7	16
144	Synthesis and solvatochromism studies of novel bis(indolyl)methanes bearing functionalized arylthiophene groups as new colored materials. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 492-8	4.2	16
143	Supercritical CO ₂ -Assisted Spray Drying of Strawberry-Like Gold-Coated Magnetite Nanocomposites in Chitosan Powders for Inhalation. <i>Materials</i> , 2017 , 10,	3.5	16
142	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	4.7	15
141	Structural, MALDI-TOF-MS, magnetic and spectroscopic studies of new dinuclear copper(II), cobalt(II) and zinc(II) complexes containing a biomimicking OH bridge. <i>Dalton Transactions</i> , 2010 , 39, 11654-63	4.3	15
140	Exploiting anionic and cationic interactions with a new emissive imine-based 9aphthol molecular probe. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 905-912	3.1	15

139	Ultrasonic energy as a new tool for fast isotopic ^{18}O labeling of proteins for mass spectrometry-based techniques: preliminary results. <i>Talanta</i> , 2008 , 76, 400-6	6.2	15
138	Interaction of polyamine macrocycles with Zn(II) and ATP in aqueous solution. Binary and ternary systems. A potentiometric, NMR and fluorescence emission study. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3410-3419	2.7	15
137	New Synthesis of Gold- and Silver-Based Nano-Tetracycline Composites. <i>ChemistryOpen</i> , 2016 , 5, 206-212	3	15
136	New dual colorimetric/fluorimetric probes for Hg^{2+} detection & extraction based on mesoporous SBA-16 nanoparticles containing porphyrin or rhodamine chromophores. <i>Dyes and Pigments</i> , 2019 , 161, 427-437	4.6	15
135	A cost-effective method to get insight into the peritoneal dialysate effluent proteome. <i>Journal of Proteomics</i> , 2016 , 145, 207-213	3.9	14
134	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	3.1	14
133	Water soluble dinuclear complexes with a hexaaza macrocyclic ligand bearing four acetohydrazide groups. <i>Inorganica Chimica Acta</i> , 2009 , 362, 3454-3460	2.7	14
132	Synthesis, characterization, fluorescence and computational studies of new Cu^{2+} , Ni^{2+} and Hg^{2+} complexes with emissive thienylbenzoxazolyl-alanine ligands. <i>Inorganica Chimica Acta</i> , 2011 , 366, 154-160	2.7	14
131	Coordination properties of a polyamine cryptand with two different binding moieties. A case of a pH-modulated antenna device based on a new Eu(III) cryptate complex. <i>Inorganic Chemistry</i> , 2001 , 40, 6172-9	5.1	14
130	The interaction of $\text{Hg}(2+)$ and trivalent ions with two new fluorescein bio-inspired dual colorimetric/fluorimetric probes. <i>Dalton Transactions</i> , 2016 , 45, 9513-22	4.3	14
129	Proteomic changes driven by urban pollution suggest particulate matter as a deregulator of energy metabolism, mitochondrial activity, and oxidative pathways in the rat brain. <i>Science of the Total Environment</i> , 2019 , 687, 839-848	10.2	13
128	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	2.3	13
127	Degradation of carbofuran derivatives in restricted water environments: basic hydrolysis in AOT-based microemulsions. <i>Journal of Colloid and Interface Science</i> , 2012 , 372, 113-20	9.3	13
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