

Duane Choquesillo-Lazarte

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5783069/publications.pdf>

Version: 2024-02-01

192
papers

3,964
citations

147801

31
h-index

182427

51
g-index

195
all docs

195
docs citations

195
times ranked

4494
citing authors

#	ARTICLE	IF	CITATIONS
1	Guest Molecule-Responsive Functional Calcium Phosphonate Frameworks for Tuned Proton Conductivity. <i>Journal of the American Chemical Society</i> , 2014, 136, 5731-5739.	13.7	206
2	Multifunctional Luminescent and Proton-Conducting Lanthanide Carboxyphosphonate Open-Framework Hybrids Exhibiting Crystalline-to-Amorphous-to-Crystalline Transformations. <i>Chemistry of Materials</i> , 2012, 24, 3780-3792.	6.7	162
3	Intramolecular π -Aryl π -Metal Chelate Ring π - π -Interactions as Structural Evidence for Metalloaromaticity in (Aromatic π -Diimine) π -Copper(II) Chelates: A Molecular and Crystal Structure of Aqua(1,10-phenanthroline)(2-benzylmalonato)copper(II) Three-hydrate. <i>Inorganic Chemistry</i> , 2002, 41, 6956-6958.	4.0	108
4	Versatile synthesis and enlargement of functionalized distorted heptagon-containing nanographenes. <i>Chemical Science</i> , 2017, 8, 1068-1074.	7.4	100
5	Ti π -Catalyzed Barbier π -Type Allylations and Related Reactions. <i>Chemistry - A European Journal</i> , 2009, 15, 2774-2791.	3.3	93
6	Three new modes of adenine-copper(II) coordination: interligand interactions controlling the selective N3-, N7- and bridging π -N3,N7 π -metal-bonding of adenine to different N-substituted iminodiacetato-copper(II) chelates. <i>Inorganica Chimica Acta</i> , 2002, 339, 160-170.	2.4	88
7	Stapled helical o-OPE foldamers as new circularly polarized luminescence emitters based on carbophilic interactions with Ag(π -sensitivity). <i>Chemical Science</i> , 2016, 7, 5663-5670.	7.4	84
8	Tuning Proton Conductivity in Alkali Metal Phosphonocarboxylates by Cation Size-Induced and Water-Facilitated Proton Transfer Pathways. <i>Chemistry of Materials</i> , 2015, 27, 424-435.	6.7	82
9	Switchable Surface Hydrophobicity π -Hydrophilicity of a Metal π -Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16049-16053.	13.8	76
10	Interligand interactions involved in the molecular recognition between copper(II) complexes and adenine or related purines. <i>Coordination Chemistry Reviews</i> , 2008, 252, 1241-1256.	18.8	72
11	Intramolecular π -CH π - π -(Metal Chelate Ring) Interactions π as Structural Evidence for Metalloaromaticity in Bis(pyridine-2,6-diimine)Ru(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1585-1588.	2.0	65
12	Interligand Interactions Controlling the π -N7,N9-Metal Bonding of Adenine (AdeH) to the N-Benzyliminodiacetato(2 π) Copper(II) Chelate and Promoting the N9 versus N3 Tautomeric Proton Transfer: A Molecular and Crystal Structure of [Cu2(NBzIDA)2(H2O)2(π -N7,N9-Ade(N3)H)] π -3H2O. <i>Inorganic Chemistry</i> , 2002, 41, 6190-6192.	4.0	62
13	Synthesis, Structure, and Catalytic Applications for π -ortho π - and π -meta π -Carboranyl Based NBN Pincer-Pd Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 9284-9295.	4.0	57
14	X-ray and NMR Crystallography Studies of Novel Theophylline Cocrystals Prepared by Liquid Assisted Grinding. <i>Crystal Growth and Design</i> , 2015, 15, 3674-3683.	3.0	57
15	Luminescent and Proton Conducting Lanthanide Coordination Networks Based On a Zwitterionic Tripodal Triphosphonate. <i>Inorganic Chemistry</i> , 2016, 55, 7414-7424.	4.0	57
16	A Highly Water-Stable π -meta π -Carborane-Based Copper Metal π -Organic Framework for Efficient High-Temperature Butanol Separation. <i>Journal of the American Chemical Society</i> , 2020, 142, 8299-8311.	13.7	54
17	A Windmill-Shaped Hexacopper(II) Molecule Built Up by Template Core-Controlled Expansion of Diaquatetrakis(π -2-adeninato-N3,N9)dicopper(II) with Aqua(oxydiacetato)copper(II). <i>Inorganic Chemistry</i> , 2006, 45, 877-882.	4.0	51
18	Design, synthesis and biological evaluation of chalconyl blended triazole allied organosilatrane as giardicidal and trichomonacidal agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 287-300.	5.5	47

#	ARTICLE	IF	CITATIONS
19	Inter-ligand interactions and the selective formation of the unusual metal–N3(adenine) bond in ternary copper(II) complexes with N ⁻ -benzyliminodiacetato(2 ⁻) ligands. <i>Inorganic Chemistry Communication</i> , 2002, 5, 800-802.	3.9	46
20	A critical look on the nature of the intra-molecular interligand π – π -stacking interaction in mixed-ligand copper(II) complexes of aromatic side-chain amino acidates and β – β -diimines. <i>CrystEngComm</i> , 2004, 6, 627-632.	2.6	46
21	Structure, magnetism and DFT studies of dinuclear and chain complexes containing the tetrazolate-5-carboxylate multidentate bridging ligand. <i>Dalton Transactions</i> , 2009, , 6335.	3.3	44
22	Metal ion binding modes of hypoxanthine and xanthine versus the versatile behaviour of adenine. <i>Coordination Chemistry Reviews</i> , 2012, 256, 193-211.	18.8	41
23	New (RS)-benzoxazepin-purines with antitumour activity: The chiral switch from (RS)-2,6-dichloro-9-[1-(p-nitrobenzenesulfonyl)-1,2,3,5-tetrahydro-4,1-benzoxazepin-3-yl]-9H-purine. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 249-258.	5.5	39
24	Sulfoxide-induced Homochiral Folding of ortho-Phenylene Ethynylenes (OPEs) by Silver(I) Templating: Structure and Chiroptical Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 2653-2662.	3.3	38
25	Classical hydrogen bonding and stacking of chelate rings in new copper(II) complexes. <i>Dalton Transactions</i> , 2017, 46, 2803-2820.	3.3	37
26	Synthesis and Anticancer Activity of (R,S)-2,3-Dihydro-1,4-Benzoxathiin-3-ylmethyl-9H-purines. <i>ChemMedChem</i> , 2008, 3, 127-135.	3.6	36
27	Carborane Bis-pyridylalcohols as Linkers for Coordination Polymers: Synthesis, Crystal Structures, and Guest-Framework Dependent Mechanical Properties. <i>Crystal Growth and Design</i> , 2017, 17, 846-857.	3.0	36
28	Thermal assisted self-organization of calcium carbonate. <i>Nature Communications</i> , 2018, 9, 5221.	12.8	35
29	Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with Cu ₂ O nanoparticles for CO ₂ methanation. <i>Chemical Communications</i> , 2019, 55, 10932-10935.	4.1	34
30	Metal chelates of N-(2-pyridylmethyl)iminodiacetate(2-) ion (pmda). Part I. Two mixed-ligand copper(II) complexes of pmda with N,N-chelating bases. Synthesis, crystal structure and properties of H ₂ pmda·0.5H ₂ O, [Cu(pmda)(pca)]·3H ₂ O (pca= β -picolylamine) and [Cu(pmda)(Hpb)]·5H ₂ O (Hpb=2-(2-pyridyl)benzimidazole). <i>Polyhedron</i> , 2002, 21, 1485-1495.	2.2	33
31	Medium benzene-fused oxacycles with the 5-fluorouracil moiety: synthesis, antiproliferative activities and apoptosis induction in breast cancer cells. <i>Tetrahedron</i> , 2003, 59, 5457-5467.	1.9	33
32	An aqua-adenine H-bonding interaction controlling the formation of the rare Zn(II)–N9(adenine) bond in crystal structure of diaqua(adenine)(iminodiacetato)zinc(II). <i>Inorganic Chemistry Communication</i> , 2003, 6, 1354-1357.	3.9	32
33	Common Structural Features in Calcium Hydroxyphosphonoacetates. A High-Throughput Screening. <i>Crystal Growth and Design</i> , 2011, 11, 1713-1722.	3.0	32
34	Crystal engineering in confined spaces. A novel method to grow crystalline metal phosphonates in alginate gel systems. <i>CrystEngComm</i> , 2012, 14, 5385.	2.6	32
35	Cation Exchange Strategy for the Encapsulation of a Photoactive CO-Releasing Organometallic Molecule into Anionic Porous Frameworks. <i>Inorganic Chemistry</i> , 2016, 55, 6525-6531.	4.0	32
36	Versatile Bottom-up Approach to Stapled π -Conjugated Helical Scaffolds: Synthesis and Chiroptical Properties of Cyclic ortho-Phenylene Ethynylene Oligomers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13036-13040.	13.8	31

#	ARTICLE	IF	CITATIONS
37	Self-sacrificial MOFs for ultra-long controlled release of bisphosphonate anti-osteoporotic drugs. <i>Chemical Communications</i> , 2020, 56, 5166-5169.	4.1	31
38	A new bis-3-hydroxy-4-pyrone as a potential therapeutic iron chelating agent. Effect of connecting and side chains on the complex structures and metal ion selectivity. <i>Journal of Inorganic Biochemistry</i> , 2014, 141, 132-143.	3.5	30
39	Ti(III)-Catalyzed Cyclizations of Ketoepoxypolyprenes: Control over the Number of Rings and Unexpected Stereoselectivities. <i>Journal of the American Chemical Society</i> , 2014, 136, 6943-6951.	13.7	30
40	Synthesis, characterization, electronic absorption and antimicrobial studies of N-(silatranylpropyl)phthalimide derived from phthalic anhydride. <i>Inorganica Chimica Acta</i> , 2015, 427, 232-239.	2.4	30
41	Anhydrous Lithium Acetate Polymorphs and Its Hydrates: Three-Dimensional Coordination Polymers. <i>Crystal Growth and Design</i> , 2011, 11, 1021-1032.	3.0	29
42	From monomers to polymers: steric and supramolecular effects on dimensionality of coordination architectures of heteroleptic mercury(II) halogenide-tetradentate Schiff base complexes. <i>CrystEngComm</i> , 2015, 17, 3493-3502.	2.6	29
43	Halogen bonded cocrystals of active pharmaceutical ingredients: pyrazinamide, lidocaine and pentoxifylline in combination with haloperfluorinated compounds. <i>CrystEngComm</i> , 2017, 19, 5293-5299.	2.6	29
44	Searching for new aluminium chelating agents: A family of hydroxypyron ligands. <i>Journal of Inorganic Biochemistry</i> , 2014, 130, 112-121.	3.5	28
45	Ring-ring or nitro-ring-π interactions in N-(p-nitrobenzyl)iminodiacetic acid (H ₂ NBIDA) and mixed-ligand copper(II) complexes of NBIDA and imidazole (Him), 2,2'-bipyridine (bipy) or 1,10-phenanthroline (phen). Crystal structures of H ₂ NBIDA, [Cu(NBIDA)(Him)(H ₂ O)], [Cu(NBIDA)(bipy)]·3H ₂ O and [Cu(NBIDA)(phen)]·2H ₂ O. <i>Polyhedron</i> , 2003, 22, 1039-1049.	2.2	27
46	Thiodiacetato-copper(II) chelates with or without N-heterocyclic donor ligands: molecular and/or crystal structures of [Cu(tda)] _n , [Cu(tda)(Him) ₂ (H ₂ O)] and [Cu(tda)(5Mphen)]·2H ₂ O (Him=imidazole, 5Mphen=5-methylphenanthroline). <i>Tetrahedron Letters</i> , 2010, 41, 1000-1002.	2.4	27
47	Metal ion binding patterns of acyclovir: Molecular recognition between this antiviral agent and copper(II) chelates with iminodiacetate or glycylglycinate. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 616-623.	3.5	27
48	A family of hydroxypyron ligands designed and synthesized as iron chelators. <i>Journal of Inorganic Biochemistry</i> , 2013, 127, 220-231.	3.5	27
49	Hydroxypyridinones with enhanced iron chelating properties. Synthesis, characterization and in vivo tests of 5-hydroxy-2-(hydroxymethyl)pyridine-4(1H)-one. <i>Dalton Transactions</i> , 2016, 45, 6517-6528.	3.3	27
50	Synthesis and characterization of modified Schiff base silatranes (MSBS) via Click Silylation™. <i>Journal of Molecular Structure</i> , 2015, 1079, 173-181.	3.6	26
51	Three new tetranuclear phenoxy-bridged metal(II) complexes: Synthesis, structural variation, cryomagnetic properties, DFT study and antiproliferative properties. <i>Polyhedron</i> , 2019, 161, 198-212.	2.2	26
52	Structural correlations in nickel(II)-thiodiacetato complexes: molecular and crystal structures and properties of [Ni(tda)(H ₂ O) ₃]. <i>Inorganic Chemistry Communication</i> , 2004, 7, 1277-1280.	3.9	25
53	Divalent Metal Vinylphosphonate Layered Materials: Compositional Variability, Structural Peculiarities, Dehydration Behavior, and Photoluminescent Properties. <i>Inorganic Chemistry</i> , 2011, 50, 11202-11211.	4.0	25
54	A Racemic and Enantiopure Unsymmetric Diiron(III) Complex with a Chiral Carborane-Based Pyridylalcohol Ligand: Combined Chiroptical, Magnetic, and Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 1081-1090.	3.3	25

#	ARTICLE	IF	CITATIONS
55	Spectral, structural, and superoxide dismutase activity of some octahedral nickel(II) complexes with tri-tetradentate ligands. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3648-3661.	2.2	24
56	New copper(II) compound having protonated forms of ethylenediaminetetraacetate(4 ⁻) ion (EDTA) and adenine (AdeH): synthesis, crystal structure, molecular recognition and physical properties of (AdeH ₂)[Cu(EDTA)(H ₂ O)]·2H ₂ O. <i>Polyhedron</i> , 2002, 21, 1451-1457.	2.2	22
57	Synthesis, crystal structure and properties of N-tert-butyliminodiacetic acid (H ₂ TEBIDA), [Cu(TEBIDA)(H ₂ O) ₂], {[Cu(TEBIDA)(Him)]·2H ₂ O} _n , [Cu(TEBIDA)(5MeHim)·H ₂ O] _n , and [Cu(TEBIDA)(2,2'-bipy)(H ₂ O)]·4.5H ₂ O, (Him=imidazole, 5MeHim=5-methylimidazole and) Tj ETQq1 1 0.7843147gBT /Overlock 1	2.2	22
58	Poly(ethylene) oxide for small-molecule crystal growth in gelled organic solvents. <i>Journal of Applied Crystallography</i> , 2011, 44, 172-176.	4.5	22
59	<i>κ</i> -Carboranylphosphinate as Versatile Building Blocks To Design all Inorganic Coordination Polymers. <i>Inorganic Chemistry</i> , 2017, 56, 5502-5505.	4.0	22
60	Structural Relationships obtained from the Coordination of κ -Picolinamide to the (Iminodiacetato)copper(II) Chelate: Synthesis, Crystal Structure, and Properties of (κ -Picolinamide)(iminodiacetato)copper(II) Dihydrate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000, 626, 930-936.	1.2	21
61	Two intra-molecular inter-ligand C(aromatic)–H \cdots O(carboxyl) interactions reinforce the formation of a single Cu(II)–N ₄ (pza) bond in the molecular recognition between pyrazine-2-carboxamide (pza) and the (iminodiacetato)copper(II) chelate. Synthesis, molecular and crystal structure and properties of [Cu(II)(pza)(H ₂ O)]·H ₂ O. <i>Inorganic Chemistry Communication</i> , 2003, 6, 270-273.	3.9	21
62	Amide-tethered organosilatrane: Syntheses, structural characterization and photophysical properties. <i>Inorganica Chimica Acta</i> , 2015, 433, 78-91.	2.4	20
63	Photoluminescence in <i>κ</i> -carborane–anthracene triads: a combined experimental and computational study. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11336-11347.	5.5	20
64	Efficient blue light emitting materials based on <i>κ</i> -carborane–anthracene dyads. Structure, photophysics and bioimaging studies. <i>Biomaterials Science</i> , 2019, 7, 5324-5337.	5.4	20
65	Interligand π – π stacking interactions giving a bi-layered 2D framework in the crystal of poly- $\{[N_4(2,2'$ -bipyridine)- μ_4 -(N,O,O ² ,O ³ -iminodiacetato)copper(II) hydrate] $\}_n$. <i>Inorganic Chemistry Communication</i> , 2003, 6, 343-345.	1.9	19
66	3d ⁸ –3d ⁹ –4f Chain Complexes Constructed Using the Dinuclear Metallacyclic Complex [Ni ₂ (mbpb) ₃] ²⁺ [H ₂ (mbpb) = 1,3-Bis(pyridine-2-carboxamide)benzene] as a Ligand: Synthesis, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2010, 49, 1826-1833.	4.0	19
67	Chelating Ligand Conformation Driving the Hypoxanthine Metal Binding Patterns. <i>Inorganic Chemistry</i> , 2011, 50, 10549-10551.	4.0	19
68	From 7-azaindole to adenine: molecular recognition aspects on mixed-ligand Cu(II) complexes with deaza-adenine ligands. <i>Dalton Transactions</i> , 2013, 42, 6119.	3.3	19
69	Synthesis and structural characterization of 2-D layered copper(II) styrylphosphonate coordination polymers. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1562-1572.	2.2	19
70	Lights and shadows in the challenge of binding acyclovir, a synthetic purine-like nucleoside with antiviral activity, at an apical–distal coordination site in copper(II)-polyamine chelates. <i>Journal of Inorganic Biochemistry</i> , 2015, 148, 84-92.	3.5	19
71	Three-Component Copper-Phosphonate-Auxiliary Ligand Systems: Proton Conductors and Efficient Catalysts in Mild Oxidative Functionalization of Cycloalkanes. <i>Inorganic Chemistry</i> , 2018, 57, 10656-10666.	4.0	19
72	On/off electrochemical switches based on quinone-bisketals. <i>Chemical Communications</i> , 2011, 47, 1586-1588.	4.1	18

#	ARTICLE	IF	CITATIONS
73	Heterometallic Oximate-Bridged Linear Trinuclear $M^{III}M^{III}M^{III}$ ($M^{III} = Mn, Fe, Tb$) Complexes Constructed with the fac-O_3 $[\text{Ni}(\text{HL})_3]^{3+}$ Metalloligand ($\text{H}_2\text{L} = \text{pyrimidine-2-carboxamide oxime}$): A 2.0 Theoretical and Experimental Magneto-Structural Study. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5225-5232.		18
74	Molecular recognition patterns of 2-aminopurine versus adenine: A view through ternary copper(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1073-1080.	3.5	18
75	Is Molecular Chirality Connected to Supramolecular Chirality? The Particular Case of Chiral 2-Pyridyl Alcohols. <i>Crystal Growth and Design</i> , 2015, 15, 935-945.	3.0	17
76	Growth Behavior of Monohydrocalcite ($\text{CaCO}_3 \cdot \text{H}_2\text{O}$) in Silica-Rich Alkaline Solution. <i>Crystal Growth and Design</i> , 2015, 15, 564-572.	3.0	17
77	Luminescence properties of carborane-containing distyrylaromatic systems. <i>Journal of Organometallic Chemistry</i> , 2018, 865, 206-213.	1.8	17
78	Slow-spin relaxation of a low-spin $S = 1/2$ Fe(III) carborane complex. <i>Chemical Communications</i> , 2019, 55, 3825-3828.	4.1	17
79	The unexpected tridentate role of the tripodal ligand N-(carbamoylmethyl)iminodiacetato(2 $^-$) (ADA) in a new mixed-ligand nickel(II) complex with 2,2'-bipyridine (bipy) as secondary ligand: structure of $[\text{Ni}(\text{ADA})(\text{bipy})(\text{H}_2\text{O})] \cdot 4\text{H}_2\text{O}$. <i>Inorganic Chemistry Communication</i> , 2002, 5, 727-729.	3.9	16
80	Synthesis and Crystallographic Studies of Disubstituted Carboranyl Alcohol Derivatives: Prevailing Chiral Recognition?. <i>Crystal Growth and Design</i> , 2013, 13, 1473-1484.	3.0	16
81	Stereospecific alkylation of substituted adenines by the Mitsunobu coupling reaction under microwave-assisted conditions. <i>RSC Advances</i> , 2014, 4, 22425-22433.	3.6	16
82	Incorporation of azo group at axial position of silatranes: synthesis, characterization and antimicrobial activity. <i>Applied Organometallic Chemistry</i> , 2015, 29, 549-555.	3.5	16
83	A double basic Sr-amino containing MOF as a highly stable heterogeneous catalyst. <i>Dalton Transactions</i> , 2019, 48, 11556-11564.	3.3	16
84	MOF transmetalation beyond cation substitution: defective distortion of IRMOF-9 in the spotlight. <i>CrystEngComm</i> , 2019, 21, 827-834.	2.6	16
85	Tuning the architectures and luminescence properties of Cu(I) compounds of phenyl and carboranyl pyrazoles: the impact of 2D versus 3D aromatic moieties in the ligand backbone. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7643-7657.	5.5	16
86	A structural evidence for the preferential coordination of the primary amide group versus the unionised carboxyl group: synthesis, molecular and crystal structure, and properties of $[\text{Cu}(\text{HADA})_2]$, a new copper(II) bis-chelate ($\text{H}_2\text{ADA} = \text{N}$ -(2-carbamoylmethyl)iminodiacetic acid). <i>Inorganic Chemistry Communication</i> , 2003, 6, 71-73.	3.9	15
87	Zinc(II) and copper(II) complexes with hydroxypyrrone iron chelators. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 94-106.	3.5	15
88	Precipitation and Crystallization Kinetics in Silica Gardens. <i>ChemPhysChem</i> , 2017, 18, 338-345.	2.1	15
89	Restricting the versatile metal-binding behaviour of adenine by using deaza-purine ligands in mixed-ligand copper(II) complexes. <i>Polyhedron</i> , 2010, 29, 170-177.	2.2	14
90	Strasseriolides A-D, A Family of Antiplasmodial Macrolides Isolated from the Fungus <i>Strasseria geniculata</i> CF-247251. <i>Organic Letters</i> , 2020, 22, 6709-6713.	4.6	14

#	ARTICLE	IF	CITATIONS
91	The first metal chelate of un-substituted 2,6-pyridine-dicarboxamide (pdcam): synthesis, molecular and crystal structure, and properties of [CuII(pdc)(pdcam)]·2H2O (pdc=2,6-pyridine-dicarboxylato(2-)) Tj ETQq1 1 0 3 7 8 4 3 1 4 r g 8 / O v e l	2.2	13
92	Interconvertible Hydrochlorothiazideâ€“Caffeine Multicomponent Pharmaceutical Materials: A Solvent Issue. Crystals, 2020, 10, 1088.	2.2	13
93	Water soluble organometallic small molecules as promising antibacterial agents: synthesis, physicalâ€“chemical properties and biological evaluation to tackle bacterial infections. Dalton Transactions, 2022, 51, 7188-7209.	3.3	13
94	Crystallization of monohydrocalcite in a silica-rich alkaline solution. CrystEngComm, 2013, 15, 6526.	2.6	12
95	Cyanide-bridged tetradecanuclear RuII3MII11 clusters (MII = ZnII and CuII) based on the high connectivity building block [Ru3(HAT)(CN)12]6âˆ“: structural and photophysical properties. Chemical Communications, 2008, , 4460.	4.1	11
96	Molecular recognition modes between adenine or adeninium(1+) ion and binary MII(pdc) chelates (MCoZn; pdc=pyridine-2,6-dicarboxylate(2-) ion). Journal of Inorganic Biochemistry, 2013, 127, 211-219.	3.5	11
97	A New Kind of Quinonic-Antibiotic Useful Against Multidrug-Resistant S. aureus and E. faecium Infections. Molecules, 2018, 23, 1776.	3.8	11
98	2-Aminopyrimidinium Decavanadate: Experimental and Theoretical Characterization, Molecular Docking, and Potential Antineoplastic Activity. Inorganics, 2021, 9, 67.	2.7	11
99	Enantiospecific Synthesis of Heterocycles Linked to Purines: Different Apoptosis Modulation of Enantiomers in Breast Cancer Cells. Current Medicinal Chemistry, 2013, 20, 4924-4934.	2.4	11
100	Rational design of carborane-based Cu₂-paddle wheel coordination polymers for increased hydrolytic stability. Dalton Transactions, 2022, 51, 1137-1143.	3.3	11
101	Metal binding pattern of acyclovir in ternary copper(II) complexes having an S-thioether or S-disulfide NO2S-tripodal tetradentate chelator. Inorganica Chimica Acta, 2016, 452, 258-267.	2.4	10
102	Extensive analysis of Nâ€“H...O hydrogen bonding in four classes of phosphorus compounds: a combined experimental and database study. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 287-297.	0.5	10
103	Oâ€“H and (CO)Nâ€“H bond weakening by coordination to Fe(<sc>ii</sc>). Dalton Transactions, 2019, 48, 2179-2189.	3.3	10
104	Platonic Relationships in Metal Phosphonate Chemistry: Ionic Metal Phosphonates. Crystals, 2019, 9, 301.	2.2	10
105	Optimization and comparison of statistical tools for the prediction of multicomponent forms of a molecule: the antiretroviral nevirapine as a case study. CrystEngComm, 2020, 22, 7460-7474.	2.6	10
106	Anti-cancer and anti-inflammatory activities of a new family of coordination compounds based on divalent transition metal ions and indazole-3-carboxylic acid. Journal of Inorganic Biochemistry, 2021, 215, 111308.	3.5	10
107	Furosemide/Non-Steroidal Anti-Inflammatory Drugâ€“Drug Pharmaceutical Solids: Novel Opportunities in Drug Formulation. Crystals, 2021, 11, 1339.	2.2	10
108	A novel Zn-based-MOF for efficient CO2 adsorption and conversion under mild conditions. Catalysis Today, 2022, 390-391, 230-236.	4.4	10

#	ARTICLE	IF	CITATIONS
109	Calcium and Strontium Coordination Polymers as Controlled Delivery Systems of the Anti-Osteoporosis Drug Risedronate and the Augmenting Effect of Solubilizers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11383.	2.5	10
110	Synthesis and reactivity of (RS)-6-chloro-7- or 9-(1,2,3,5-tetrahydro-4,1-benzoxazepin-3-yl)-7H- or 9H-purines bearing a nitrobenzenesulfonyl group on the nitrogen atom. <i>Tetrahedron</i> , 2007, 63, 5274-5286.	1.9	9
111	A redetermination of (N9-adenine- δ^9 N) aqua[glycylglycinato(2 δ^-)- δ^3 N, δ^2 ,O]copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m1598-m1598.	0.2	9
112	Cocrystallization of Mononuclear and Trinuclear Metallacycle Molecules from an Aqueous Mixed-Ligand Copper(II) Solution. <i>Crystal Growth and Design</i> , 2014, 14, 889-892.	3.0	9
113	Carboranylphosphinic Acids: A New Class of Purely Inorganic Ligands. <i>Chemistry - A European Journal</i> , 2016, 22, 3665-3670.	3.3	9
114	Two new phosphinic amides: Synthesis, crystal structure, and theoretical study of hydrogen bonding. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 359-367.	1.6	9
115	New Multicomponent Forms of the Antiretroviral Nevirapine with Improved Dissolution Performance. <i>Crystal Growth and Design</i> , 2020, 20, 688-698.	3.0	9
116	Supramolecular architectures of Mn(NCS) ₂ complexes with N'-(1-(pyridin-4-yl)ethylidene)picolinohydrazide and N'-(phenyl(pyridin-4-yl)methylene)isonicotinohydrazide. <i>Polyhedron</i> , 2020, 190, 114776.	2.2	9
117	Interpenetrated Luminescent Metal-Organic Frameworks based on 1 <i>H</i> -Indazole-5-carboxylic Acid. <i>Crystal Growth and Design</i> , 2020, 20, 4550-4560.	3.0	9
118	Novel Polymorphic Cocrystals of the Non-Steroidal Anti-Inflammatory Drug Niflumic Acid: Expanding the Pharmaceutical Landscape. <i>Pharmaceutics</i> , 2021, 13, 2140.	4.5	9
119	Mixed-ligand Complexes with 2,6-Pyridinedicarboxylato(2-) and 4,7-Diphenyl-1,10-Phenanthroline Ligands, [M(II)(pdc)(DPphen)(H ₂ O)] \cdot H ₂ O (M = Co or Cu). <i>Synthesis, Crystal Structures and Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2081-2085.	1.2	8
120	Ternary copper(II) complexes with N-carboxymethyl-L-prolinato(2 δ^-) ion and imidazole or creatinine: A comparative study of the interligand interactions influencing the molecular recognition and stability. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1424-1432.	3.5	8
121	Nickel(II) derivatives of N-benzyliminodiacetate(2 δ^-) ligands, with and without imidazole: Synthesis, crystal structure and properties. <i>Polyhedron</i> , 2010, 29, 683-690.	2.2	8
122	Synthesis, spectroscopic, and thermal analyses of binuclear mixed ligand Co(II) and Ni(II) complexes. <i>Journal of Coordination Chemistry</i> , 2011, 64, 1544-1553.	2.2	8
123	A new 2D cadmium chloride network with 2-aminopyrimidine displaying long lifetime photoluminescence emission. <i>Polyhedron</i> , 2011, 30, 1295-1298.	2.2	8
124	Substituted phenyl urea and thiourea silatranes: Synthesis, characterization and anion recognition properties by photophysical and theoretical studies. <i>Polyhedron</i> , 2016, 112, 51-60.	2.2	8
125	Novel and Versatile Cobalt Azobenzene-Based Metal-Organic Framework as Hydrogen Adsorbent. <i>ChemPhysChem</i> , 2019, 20, 1334-1339.	2.1	8
126	Designing Single-Molecule Magnets as Drugs with Dual Anti-Inflammatory and Anti-Diabetic Effects. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3146.	4.1	8

#	ARTICLE	IF	CITATIONS
127	Eu-Doped Citrate-Coated Carbonated Apatite Luminescent Nanoprobes for Drug Delivery. <i>Nanomaterials</i> , 2020, 10, 199.	4.1	8
128	Crystallization, Luminescence and Cytocompatibility of Hexagonal Calcium Doped Terbium Phosphate Hydrate Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 322.	4.1	8
129	Exploiting the Multifunctionality of M^{2+} /Imidazole-Etidronates for Proton Conductivity (Zn^{2+}) and Electrocatalysis (Co^{2+} , Ni^{2+}) toward the HER, OER, and ORR. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11273-11287.	8.0	8
130	Substituent effects on the reaction mode between 2-hydroxybenzyl alcohol derivatives and MEM chloride: synthesis and mechanistic aspects of seven- and ten-membered benzo-fused O,O-acetals. <i>Tetrahedron</i> , 2004, 60, 11453-11464.	1.9	7
131	A Structural Study of the Iminodiacetate Moiety Conformation in N-(1-adamantyl)-iminodiacetate(2-) Copper(II) Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 2658-2666.	1.2	7
132	Spectroscopic, structural and magnetic studies of nickel(II) complexes with tetra- and pentadentate ligands. <i>Transition Metal Chemistry</i> , 2009, 34, 239-245.	1.4	7
133	Structural Consequences of the N7 and C8 Translocation on the Metal Binding Behavior of Adenine. <i>Inorganic Chemistry</i> , 2013, 52, 1916-1925.	4.0	7
134	Synthesis, structures and properties of iron(III) complexes with (o-carboranyl)bis-(2-hydroxymethyl)pyridine: Racemic versus meso. <i>Inorganica Chimica Acta</i> , 2016, 448, 97-103.	2.4	7
135	Switchable Surface Hydrophobicity-Hydrophilicity of a Metal-Organic Framework. <i>Angewandte Chemie</i> , 2016, 128, 16283-16287.	2.0	7
136	Copper(II) polyamine chelates as efficient receptors for acyclovir: syntheses, crystal structures and dft study. <i>Polyhedron</i> , 2018, 145, 218-226.	2.2	7
137	Cysteine-based 3-substituted 1,5-benzoxathiepin derivatives: Two new classes of anti-proliferative agents. <i>Arabian Journal of Chemistry</i> , 2018, 11, 426-441.	4.9	7
138	Slow relaxation of magnetization and luminescence properties of a novel dysprosium and pyrene-1,3,6,8-tetrasulfonate based MOF. <i>New Journal of Chemistry</i> , 2018, 42, 832-837.	2.8	7
139	A Reversible Phase Transition of 2D Coordination Layers by $H^+Cu(II)$ Interactions in a Coordination Polymer. <i>Molecules</i> , 2019, 24, 3204.	3.8	7
140	In vitro evaluation of leishmanicidal properties of a new family of monodimensional coordination polymers based on diclofenac ligand. <i>Polyhedron</i> , 2020, 184, 114570.	2.2	7
141	Phase Transformation Dynamics in Sulfate-Loaded Lanthanide Triphosphonates. Proton Conductivity and Application as Fillers in PEMFCs. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15279-15291.	8.0	7
142	Luminescent Citrate-Functionalized Terbium-Substituted Carbonated Apatite Nanomaterials: Structural Aspects, Sensitized Luminescence, Cytocompatibility, and Cell Uptake Imaging. <i>Nanomaterials</i> , 2022, 12, 1257.	4.1	7
143	Metal Chelates of N-(2-pyridylmethyl)iminodiacetate(2-) Ion (pmda). Part II. Ternary pmdda Chelates with M = Co, Cu or Zn and Creatinine as Auxiliary Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 845-850.	1.2	6
144	Structural insights on the molecular recognition patterns between N6-substituted adenines and N-(aryl-methyl)iminodiacetate copper(II) chelates. <i>Journal of Inorganic Biochemistry</i> , 2013, 127, 141-149.	3.5	6

#	ARTICLE	IF	CITATIONS
145	Synthesis, thermogravimetric study and crystal structure of an N-rich copper(II) compound with tren ligands and nitrate counter-anions. <i>Thermochimica Acta</i> , 2014, 593, 7-11.	2.7	6
146	Highest Reported Denticity of a Synthetic Nucleoside in the Unprecedented Tetradentate Mode of Acyclovir. <i>Crystal Growth and Design</i> , 2018, 18, 4282-4286.	3.0	6
147	Rational design of an unusual 2D-MOF based on Cu(<i>scp</i>) and 4-hydroxypyrimidine-5-carbonitrile as linker with conductive capabilities: a theoretical approach based on high-pressure XRD. <i>Chemical Communications</i> , 2020, 56, 9473-9476.	4.1	6
148	Synthesis, Structural Features, and Hydrogen Adsorption Properties of Three New Flexible Sulfur-Containing Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020, 20, 6707-6714.	3.0	6
149	Anthracene-styrene-substituted <i>m</i> -carborane derivatives: insights into the electronic and structural effects of substituents on photoluminescence. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2370-2380.	6.0	6
150	A gliclazide complex based on palladium towards Alzheimer's disease: promising protective activity against A β -induced toxicity in <i>C. elegans</i> . <i>Chemical Communications</i> , 2022, 58, 1514-1517.	4.1	6
151	Catalytic Performance and Electrophoretic Behavior of an Yttrium-Organic Framework Based on a Tricarboxylic Asymmetric Alkyne. <i>Inorganic Chemistry</i> , 2022, 61, 1377-1384.	4.0	6
152	Mixed-ligand Copper(II) Complexes with N-isopropyl-iminodiacetato(2-) and C-phenyl-imidazole Ligands. Crystal Structures of H ₂ iPIDA, [Cu(iPIDA)(H ₂ iim)(H ₂ O)] \cdot 3H ₂ O and [Cu(iPIDA)(H ₅ iim)] _n . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2156-2160.	1.2	5
153	Dinuclear EGTA-copper(II) chelates with imidazole as auxiliary ligand. <i>Inorganic Chemistry Communication</i> , 2006, 9, 903-906.	3.9	5
154	cis-[N-(4-Chlorobenzyl)iminodiacetato- λ^3 N,O,O λ^2]bis(1H-imidazole- λ^3 N ₃)copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m1678-m1679.	0.2	5
155	Molecular recognition between adenine or 2,6-diaminopurine and copper(II) chelates with N,O ₂ S-tripodal tetradentate chelators having thioether or disulfide donor groups. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 75-86.	3.5	5
156	Molecular and supramolecular recognition patterns in ternary copper(II) or zinc(II) complexes with selected rigid-planar chelators and a synthetic adenine-nucleoside. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110920.	3.5	5
157	Magnetic and Luminescent Properties of Isostructural 2D Coordination Polymers Based on 2-Pyrimidinecarboxylate and Lanthanide Ions. <i>Crystals</i> , 2020, 10, 571.	2.2	5
158	Combined experimental and theoretical investigation on the magnetic properties derived from the coordination of 6-methyl-2-oxonicotinate to 3d-metal ions. <i>Dalton Transactions</i> , 2022, 51, 9780-9792.	3.3	5
159	Unsymmetrically urea silatranes: Synthesis, characterization and a selective on/off fluorescence response to acetate anion. <i>Arabian Journal of Chemistry</i> , 2017, 10, 523-531.	4.9	4
160	Crystalline Inclusion Compounds of a Palladacyclic Tetraol Host Featuring <i>o</i> -Carborane Units. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4589-4598.	2.0	4
161	5-Aminopyridine-2-carboxylic acid as appropriate ligand for constructing coordination polymers with luminescence, slow magnetic relaxation and anti-cancer properties. <i>Journal of Inorganic Biochemistry</i> , 2020, 207, 111051.	3.5	4
162	Lidocaine Pharmaceutical Multicomponent Forms: A Story about the Role of Chloride Ions on Their Stability. <i>Crystals</i> , 2022, 12, 798.	2.2	4

#	ARTICLE	IF	CITATIONS
163	¹ H, ¹³ C NMR, X-ray and conformational studies of new alkylbenzoylpyrazole and alkylbenzoylpyrazoline derivatives. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 878-885.	1.9	3
164	Two tautomeric polymorphs of 2,6-dichloropurine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, o484-o486.	0.4	3
165	Characterization of 4,5-Dihydro-1H-Pyrazole Derivatives by ¹³ C NMR Spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 58-61.	1.9	3
166	Looking at new ligands for chelation therapy. <i>New Journal of Chemistry</i> , 2018, 42, 8021-8034.	2.8	3
167	Dicopper(II)-EDTA Chelate as a Bicephalic Receptor Model for a Synthetic Adenine Nucleoside. <i>Pharmaceuticals</i> , 2021, 14, 426.	3.8	3
168	A Mixed Heterobimetallic Y/Eu-MOF for the Cyanosilylation and Hydroboration of Carbonyls. <i>Catalysts</i> , 2022, 12, 299.	3.5	3
169	(2,3-Dihydro-1,4-benzodioxin-2-yl)methanol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2940-o2940.	0.2	2
170	Synthesis, crystal structure and properties of three different derivatives of bis[di(2-pyridyl)methanediol]copper(II), [Cu(bpmd) ₂] ²⁺ . <i>Journal of Coordination Chemistry</i> , 2009, 62, 120-129.	2.2	2
171	<i>trans</i> -Diaquabis(<i>trans</i> -phenylalaninato- ²⁻ N,O)nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m446-m446.	0.2	2
172	Isotype 1D polymers of cobalt(II) or zinc(II) constructed with square-planar tetraqua-metal(2+) units and the bis-zwitterionic form of the ^{1/2} -O,O ²⁻ - <i>trans</i> -1,4-dihydrogen-cyclohexanediaminotetraacetate(2 ⁻) ligand. <i>Polyhedron</i> , 2012, 31, 463-471.	2.2	2
173	Synthesis and Characterization of Zinc(II) and Cadmium(II) Mixed Ligand Trichloroacetate Complexes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2013, 43, 283-288.	0.6	2
174	NMR assignments and structural characterization of new thiourea and urea kynurenamine derivatives nitric oxide synthase inhibitors. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 1071-1079.	1.9	2
175	Two Isostructural URJC-4 Materials: From Hydrogen Physisorption to Heterogeneous Reductive Amination through Hydrogen Molecule Activation at Low Pressure. <i>Inorganic Chemistry</i> , 2020, 59, 15733-15740.	4.0	2
176	Dimeric metallacycles and coordination polymers: Zn(II), Cd(II) and Hg(II) complexes of two positional isomers of a flexible N,O-hybrid bispyrazole derived ligand. <i>Inorganica Chimica Acta</i> , 2020, 506, 119549.	2.4	2
177	Broadening the scope of high structural dimensionality nanomaterials using pyridine-based curcuminoids. <i>Dalton Transactions</i> , 2021, 50, 7056-7064.	3.3	2
178	Biomimetic Citrate-Coated Luminescent Apatite Nanoplatfoms for Diclofenac Delivery in Inflammatory Environments. <i>Nanomaterials</i> , 2022, 12, 562.	4.1	2
179	Tris(2-Pyridylmethylamine)V(O) ₂ Complexes as Counter Ions of Diprotonated Decavanadate Anion: Potential Antineoplastic Activity. <i>Frontiers in Chemistry</i> , 2022, 10, 830511.	3.6	2
180	Through-space hopping transport in an iodine-doped perylene-based metal-organic framework. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1065-1072.	3.4	2

#	ARTICLE	IF	CITATIONS
181	NMR spectroscopic characterization of new 2,3-dihydro-1,3,4-thiadiazole derivatives. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 515-522.	1.9	1
182	Unprecedented 4/5-methylimidazole linkage isomerism within a binuclear copper(II) complex molecule. <i>Inorganic Chemistry Communication</i> , 2014, 42, 20-22.	3.9	1
183	Synthesis, X-Ray Structure and Anti-Bacterial Studies of 1,3-Thiazolylpropylsilatranes. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 1971-1979.	1.6	1
184	Monoclinic and orthorhombic forms of (<i>R,S</i>)-(<i>E</i>)-4-[2-(4-chlorobenzylidene)hydrazinyl]-6,11-dimethyl-6,11-dihydro-5H-benzo[<i>b</i>]pyrimido[5,4- <i>f</i>] synthesis, concomitant polymorphism and supramolecular assembly mediated by C ^H ...N, C ^H ...H... π (arene) and C ^H ...Cl... π (arene) interactions. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 686-693.	0.5	1
185	Vapour Diffusion Sitting Drop Method to Induce Nucleation of Calcium Phosphate on Exfoliated Graphene and Graphene Oxide Flakes. <i>Crystals</i> , 2021, 11, 767.	2.2	1
186	Structure of the first dinuclear Ni(II) complex with an azapurine derivative (the anionic form of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 1081-1084.	3.9	0
187	Metal complexes with N-(trifluoromethylbenzyl)iminodiacetate chelators (x-3F ligands). Part I. Copper(II) chelates of p-3F, m-3F, and o-3F with or without imidazole-like ligands. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2739-2759.	2.2	0
188	Photoluminescence and in vitro cytotoxicity analysis in a novel mononuclear Zn(II) coordination compound based on bumetanide. <i>Inorganica Chimica Acta</i> , 2020, 509, 119708.	2.4	0
189	Crystal structure and Hirshfeld surface analysis of diiodido{N-(<i>E</i>)-(phenyl)(pyridin-2-yl- <i>idene</i>)methylidene}pyridine-2-carbohydrazide- ²⁺ cadmium(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1061-1064.	0.5	0
190	Selectivity of Relative Humidity Using a CP Based on S-Block Metal Ions. <i>Sensors</i> , 2022, 22, 1664.	3.8	0
191	INTERLABORATORY VIRTUAL COLLABORATIVE EXPERIENCES IN CHEMISTRY LABS. <i>INTED Proceedings</i> , 2022, , .	0.0	0
192	Sensing Capacity in Dysprosium Metal-Organic Frameworks Based on 5-Aminoisophthalic Acid Ligand. <i>Sensors</i> , 2022, 22, 3392.	3.8	0