

# Antonio Frontera

## List of Publications by Year in descending order

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801  
papers

27,203  
citations

10650

74  
h-index

19470

122  
g-index

836  
all docs

836  
docs citations

836  
times ranked

14161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Favipiravir: insight into the crystal structure, Hirshfeld surface analysis and computational study. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 85-94.	1.2	26
2	Phenanthroline-based Ni(II) coordination compounds involving unconventional discrete fumarate-water-nitrate clusters and energetically significant cooperative ternary $\pi$ -stacked assemblies: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2022, 1248, 131424.	1.8	10
3	Lead( $\text{Pb}^{2+}$ ) supramolecular structures formed through a cooperative influence of the hydrazinecarbothioamide derived and ancillary ligands. <i>CrystEngComm</i> , 2022, 24, 368-378.	1.3	7
4	Metal Centers as Nucleophiles: Oxymoron of Halogen Bonding Involving Crystal Engineering. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	41
5	Se $\cdots$ O/S and S $\cdots$ O Chalcogen Bonds in Small Molecules and Proteins: A Combined CSD and PDB Study. <i>ChemBioChem</i> , 2022, 23, e202100498.	1.3	27
6	A comparative study of noncovalent interactions in various Ni-compounds containing nitrogen heteroaromatic ligands and pseudohalides: A combined experimental and theoretical studies. <i>Inorganica Chimica Acta</i> , 2022, 531, 120702.	1.2	0
7	Energetic features of antiparallel stacking and hydrogen bonding interactions in two coordination complexes bearing 1,10-phenanthroline-2,9-dicarboxylic acid. <i>Journal of Molecular Structure</i> , 2022, 1251, 131963.	1.8	3
8	An insight into triel bonds in $\text{O}=\text{O}=\text{O}^2-$ -diarylphosphorodithioates of thallium( $\text{Tl}^+$ ): experimental and theoretical investigations. <i>New Journal of Chemistry</i> , 2022, 46, 832-843.	1.4	7
9	Synthesis, structural topologies and anticancer evaluation of phenanthroline-based 2,6-pyridinedicarboxylato Cu(II) and Ni(II) compounds. <i>Polyhedron</i> , 2022, 213, 115632.	1.0	6
10	Spodium bonds and metal-halogen-halogen-metal interactions in propagation of monomeric units to dimeric or polymeric architectures. <i>Journal of Molecular Structure</i> , 2022, 1252, 132144.	1.8	8
11	Solvothermal synthesis and crystal structures of two Holmium(III)-5-Hydroxyisophthalate entangled coordination polymers and theoretical studies on the importance of $\pi$ -stacking interactions. <i>Journal of Molecular Structure</i> , 2022, 1254, 132329.	1.8	10
12	Multicomponent Solids of DL-2-Hydroxy-2-phenylacetic Acid and Pyridinecarboxamides. <i>Crystals</i> , 2022, 12, 142.	1.0	4
13	Frontispiece: Metal Centers as Nucleophiles: Oxymoron of Halogen Bonding Involving Crystal Engineering. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
14	Host-guest complexes vs. supramolecular polymers in chalcogen bonding receptors: an experimental and theoretical study. <i>Dalton Transactions</i> , 2022, 51, 1325-1332.	1.6	6
15	Large interaction energy for the homodimer and the heterodimer extracted from the supramolecular chain of a bent trinuclear zinc( $\text{Zn}^{2+}$ ) complex with a reduced Schiff base ligand. <i>New Journal of Chemistry</i> , 2022, 46, 1845-1856.	1.4	2
16	Aza-Crown-Based Macrocyclic Probe Design for PET-off-Multi-Cu <sup>2+</sup> Responsive and CHEF-on-Multi-Zn <sup>2+</sup> Sensor: Application in Biological Cell Imaging and Theoretical Studies. <i>Inorganic Chemistry</i> , 2022, 61, 1982-1996.	1.9	5
17	Oxalic Acid, a Versatile Coformer for Multicomponent Forms with 9-Ethyladenine. <i>Crystals</i> , 2022, 12, 89.	1.0	3
18	Syntheses, crystal structures and supramolecular assemblies of two Cu( $\text{Cu}^{2+}$ ) complexes based on a new heterocyclic ligand: insights into $\text{Ca}^{\cdots}\text{H}\cdots\text{Cl}$ and $\pi\cdots\pi$ interactions. <i>CrystEngComm</i> , 2022, 24, 1598-1611.	1.3	17

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19	Anion-catalysis Enabled by the Mechanical Bond**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	20
20	Topochemical [2 + 2] Cycloaddition in a Two-Dimensional Metal-Organic Framework via SCSC Transformation Impacts Halogen-Halogen Interactions. <i>Inorganic Chemistry</i> , 2022, 61, 3029-3032.	1.9	10
21	Insight into charge transportation in cadmium based semiconducting organic-inorganic hybrid materials and their application in the fabrication of photosensitive Schottky devices. <i>Dalton Transactions</i> , 2022, 51, 5721-5734.	1.6	10
22	Enhancing chalcogen bonding by metal coordination. <i>Dalton Transactions</i> , 2022, , .	1.6	9
23	Metallophilic interactions in silver( <i>scpi</i> ) dicyanoaurate complexes. <i>Dalton Transactions</i> , 2022, , .	1.6	1
24	Do 2-coordinate iodine( <i>scpi</i> ) and silver( <i>scpi</i> ) complexes form nucleophilic iodonium interactions (NIs) in solution?. <i>Chemical Communications</i> , 2022, 58, 4977-4980.	2.2	9
25	Chameleonic metal-bound isocyanides: a $\pi$ -donating Cu <sup>I</sup> -center imparts nucleophilicity to the isocyanide carbon toward halogen bonding. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1655-1665.	3.0	13
26	Structural topologies involving energetically significant antiparallel $\pi$ -stacking and unconventional N(nitrile)- $\pi$ (fumarate) contacts in dinuclear Zn( <i>scpii</i> ) and polymeric Mn( <i>scpii</i> ) compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 5296-5311.	1.4	7
27	Synthesis, spectroscopic findings and crystal engineering of Pb( <i>scpii</i> )-Salen coordination polymers, and supramolecular architectures engineered by $f$ -hole/sodium/tetrel bonds: a combined experimental and theoretical investigation. <i>RSC Advances</i> , 2022, 12, 6352-6363.	1.7	25
28	Iodine( <i>scpi</i> ) complexes incorporating sterically bulky 2-substituted pyridines. <i>RSC Advances</i> , 2022, 12, 8674-8682.	1.7	6
29	Solvent-driven structural topologies in phenanthroline-based co-crystals of Zn( <i>scpiik</i> ) involving fascinating infinite chair-like $\{[(bzH)_4Cl_2]^{2+}\}_n$ assemblies and unconventional layered infinite $\{bz-H_2O-Cl\}_n$ anion-water clusters: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 5638-5652.	1.4	4
30	Anion-Responsive Fluorescent Supramolecular Gels. <i>Molecules</i> , 2022, 27, 1257.	1.7	10
31	Field-induced single-molecule magnet behaviour in a series of dinuclear cobalt(III,II) complexes. <i>Polyhedron</i> , 2022, 220, 115802.	1.0	5
32	Substituent Effects in $\pi$ -Hole Regium Bonding Interactions Between Au( <i>ip</i> )- $\pi$ (Py) <sub>2</sub> Complexes and Lewis Bases: An <i>ab initio</i> Study. <i>ChemPhysChem</i> , 2022, , .	1.0	6
33	Direct conversion of white phosphorus to versatile phosphorus transfer reagents via oxidative oxidation. <i>Nature Chemistry</i> , 2022, 14, 384-391.	6.6	31
34	Anion- $\pi$ stacks of Lindqvist superoctahedra [Mo <sub>6</sub> O <sub>19</sub> ] <sup>2-</sup> supported by caffeinium and theophyllinium cations. <i>Inorganica Chimica Acta</i> , 2022, 537, 120945.	1.2	2
35	Polymorphism in the 1/1 Pterostilbene/Picolinic Acid Cocrystal. <i>Crystal Growth and Design</i> , 2022, 22, 590-597.	1.4	10
36	Inorganic-organic $\{d_z\}_2$ -M <sup>II</sup> S <sub>4</sub> - $\pi$ -hole stacking in reverse sandwich structures: the case of cocrystals of group 10 metal dithiocarbamates with electron-deficient arenes. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2869-2879.	3.0	9

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37	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. <i>Chemical Science</i> , 2022, 13, 5650-5658.	3.7	16
38	Metal Coordination Enhances Chalcogen Bonds: CSD Survey and Theoretical Calculations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4188.	1.8	13
39	Supramolecular aggregation of lead(II) perchlorate and a thiosemicarbazide derivative linked by a myriad of non-covalent interactions. <i>Inorganica Chimica Acta</i> , 2022, 538, 120974.	1.2	4
40	Investigation of solid state architectures in tetrazolyl tryptophol stabilized by crucial aromatic interactions and hydrogen bonding: Experimental and theoretical analysis. <i>Journal of Molecular Structure</i> , 2022, 1262, 133079.	1.8	6
41	Role of Redox-Inactive Metal Ions in Modulating the Reduction Potential of Uranyl Schiff Base Complexes: Detailed Experimental and Theoretical Studies. <i>Inorganic Chemistry</i> , 2022, 61, 7130-7142.	1.9	6
42	On the energetic stability of halogen bonds involving metals: implications in crystal engineering. <i>CrystEngComm</i> , 2022, 24, 4440-4446.	1.3	15
43	On metal coordination of neutral open-shell P-ligands focusing on phosphanoxylys, their electron residence and reactivity. <i>Chemical Communications</i> , 2022, 58, 6270-6279.	2.2	3
44	Insight into non-covalent interactions in a [Cu(N <sub>3</sub> ) <sub>4</sub> ] <sup>2+</sup> bridged hetero-pentanuclear copper(II)/sodium complex with special emphasis on the strong CH⋯N[Cu(N <sub>3</sub> ) <sub>4</sub> ] interactions. <i>New Journal of Chemistry</i> , 2022, 46, 11286-11295.	1.4	7
45	Expanding the toolbox of the coinage bond: adducts involving new gold(III) derivatives and bioactive molecules. <i>CrystEngComm</i> , 2022, 24, 3846-3851.	1.3	8
46	Estimation of the ability of the π-system of pseudohalides (azide and thiocyanate) to participate in CH⋯π interactions in cyclic hetero-tetranuclear cobalt(III)/sodium and linear trinuclear mixed valence cobalt(III/II/III) complexes. <i>Polyhedron</i> , 2022, 222, 115862.	1.0	4
47	Supramolecular Assemblies Based on π-hole Interactions. , 2022, , 203-241.		1
48	Hydrogen and halogen bond synergy in the self-assembly of 3,5-dihalo-tyrosines: structural and theoretical insights. <i>CrystEngComm</i> , 2022, 24, 7255-7260.	1.3	1
49	Exploration of noncovalent interactions in the solid state structures of carboxylate bridged trinuclear mixed valence cobalt complexes using computational tools based on the topological analysis of the electron density. <i>Polyhedron</i> , 2022, 223, 115910.	1.0	5
50	Exploration of supramolecular and theoretical aspects of two new Cu(II) complexes: On the importance of lone pair⋯π(chelate ring) and π⋯π(chelate ring) interactions. <i>Journal of Molecular Structure</i> , 2022, 1265, 133358.	1.8	5
51	Towards Anion Recognition and Precipitation with Water-Soluble 1,2,4-Selenodiazolium Salts: Combined Structural and Theoretical Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6372.	1.8	16
52	Noncovalent Interactions Involving Group 6 in Biological Systems: The Case of Molybdopterin and Tungstopterin Cofactors. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	21
53	Revision of the Crystal Structure of the Orthorhombic Polymorph of Oxyma: On the Importance of π-Hole Interactions and Their Interplay with H⋯Bonds. <i>Crystals</i> , 2022, 12, 823.	1.0	1
54	Terephthalato and succinato bridged Mn(II) and Zn(II) coordination polymers involving structure-guiding H-bonded tetrameric assemblies: Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2022, 224, 115982.	1.0	3

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55	Antiparallel $\pi$ - $\pi$ and $C\equiv N\cdots H\cdots C$ contacts in a novel Zn(II) coordination solid involving $\pi$ -hole tetrel bonding interactions: A combined experimental and theoretical study, Hirshfeld surface analysis, molecular docking and potential drug property. <i>Journal of Molecular Structure</i> , 2022, 1268, 133686.	1.8	4
56	Synthesis, characterization and self assembly of dinuclear zinc Schiff base complexes: A combined experimental and theoretical study. <i>Polyhedron</i> , 2022, 225, 116044.	1.0	5
57	DFT study on $CH_3O$ , $CH_3SCN$ and $S_2$ interaction energies in three dinuclear mixed valence cobalt(III/II) complexes with secondary diamine ligands having inner $N_2O_2$ and outer $O_4$ compartments. <i>Polyhedron</i> , 2022, , 116039.	1.0	1
58	Supramolecular assemblies involving unconventional non-covalent contacts in pyrazole-based coordination compounds of Co(II) and Cu(II) pyridinedicarboxylates: Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2022, 224, 116025.	1.0	2
59	Magnetically separable nanocatalyst (IL@CuFe <sub>2</sub> O <sub>4</sub> -L-Tyr-TiO <sub>2</sub> /TiTCIL): Preparation, characterization and its applications in 1,2,3-triazole synthesis and in photodegradation of MB. <i>Journal of Molecular Structure</i> , 2021, 1224, 129029.	1.8	14
60	Two new hydrogen-bonded supramolecular dioxo-molybdenum(VI) complexes based on acetyl-hydrazone ligands: Synthesis, crystal structure and DFT studies. <i>Journal of Molecular Structure</i> , 2021, 1226, 129346.	1.8	10
61	Synthesis, X-ray characterization, Hirshfeld surface analysis and DFT calculations on tetrazolyl-phenol derivatives: H-bonds vs $C\equiv N\cdots N\cdots N$ interactions. <i>Journal of Molecular Structure</i> , 2021, 1227, 129425.	1.8	9
62	An insight into the role of supramolecular interactions to stabilize the solid state structure of an octahedral nickel(II) diamine complex. <i>Inorganica Chimica Acta</i> , 2021, 515, 120023.	1.2	7
63	Energetically significant nitrile $\cdots$ nitrile and unconventional $C\equiv N\cdots N$ interactions in pyridine based Ni(II) and Zn(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2021, 1223, 129246.	1.8	13
64	Bifurcated $\frac{1}{4}$ - $\frac{1}{2}$ -(N,O) Halogen Bonding: The Case of (Nitrosoguanidinate)Ni <sup>II</sup> Cocrystals with Iodine(I)-Based $\pi$ -Hole Donors. <i>Crystal Growth and Design</i> , 2021, 21, 588-596.	1.4	24
65	Semiconducting properties of pyridyl appended linear dicarboxylate based coordination polymers: theoretical prediction via DFT study. <i>Dalton Transactions</i> , 2021, 50, 270-278.	1.6	8
66	A first exploration of isostructurality in transition metal nitroprussides: X-ray analysis, magnetic properties and DFT calculations. <i>CrystEngComm</i> , 2021, 23, 1158-1171.	1.3	3
67	Ligand structure-driven self-assembly of Zn(NCS) <sub>2</sub> with a carbohydrazone ligand: A possible intermediate towards a [2D] metallic grid. <i>Journal of Molecular Structure</i> , 2021, 1225, 129269.	1.8	4
68	A supramolecular 3D structure constructed from a new metal chelate self-assembled from Sn(NCS) <sub>2</sub> and phenyl(pyridin-2-yl)methylenepicolinohydrazide. <i>Journal of Molecular Structure</i> , 2021, 1224, 129188.	1.8	8
69	Energetically significant cooperative $\pi$ -stacked ternary assemblies in Ni(II) phenanthroline compounds involving discrete water clusters: Anticancer activities and theoretical studies. <i>Journal of Molecular Structure</i> , 2021, 1229, 129486.	1.8	17
70	Energetically significant anti-parallel $\pi$ -stacking and unconventional anion- $\pi$ interactions in phenanthroline based Ni(II) and Cu(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2021, 516, 120082.	1.2	16
71	A tetrameric udd type water cluster encapsulated in a dinuclear vanadium(V) Schiff base complex and its role in the formation of supramolecular assemblies: A joint experimental and theoretical study. <i>Inorganica Chimica Acta</i> , 2021, 515, 120057.	1.2	13
72	Existence of stronger $C\equiv N\cdots N$ (chelate ring) interaction compared to $C\equiv N\cdots N$ (arene) interactions in the supramolecular assembly of dinuclear iron(III) Schiff base complexes: A theoretical insight. <i>Inorganica Chimica Acta</i> , 2021, 516, 120081.	1.2	9

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73	Unprecedented [d9]Cu <sup>+</sup> [d10]Au coinage bonding interactions in {Cu(NH <sub>3</sub> ) <sub>4</sub> [Au(CN) <sub>2</sub> ]} <sup>+</sup> [Au(CN) <sub>2</sub> ] <sup>-</sup> salt. <i>Chemical Communications</i> , 2021, 57, 7268-7271.	2.2	8
74	Anion-dependent structural variations and charge transport property analysis of 4-(3-pyridyl)-4,2,6-terpyridinium salts. <i>CrystEngComm</i> , 2021, 23, 3569-3581.	1.3	5
75	Insight into non-covalent interactions in two triamine-based mononuclear iron(III) Schiff base complexes with special emphasis on the formation of Br <sup>-</sup> halogen bonding. <i>CrystEngComm</i> , 2021, 23, 1578-1587.	1.3	8
76	Ultrashort H <sup>+</sup> ···H <sup>+</sup> intermolecular distance in a supramolecular system in the solid state. <i>Chemical Communications</i> , 2021, 57, 7112-7115.	2.2	4
77	Supramolecular assemblies involving biologically relevant antiparallel $\pi$ -stacking and unconventional solvent driven structural topology in maleato and fumarato bridged Zn(II) coordination polymers: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021, 45, 13040-13055.	1.4	9
78	Dual role of silver in a fluorogenic N-squaraine probe based on Ag(I) interactions. <i>Dalton Transactions</i> , 2021, 50, 9367-9371.	1.6	2
79	An experimental and theoretical exploration of supramolecular interactions and photoresponse properties of two Ni(II) complexes. <i>New Journal of Chemistry</i> , 2021, 45, 12108-12119.	1.4	8
80	Synthesis and characterization of a mononuclear zinc(II) Schiff base complex: on the importance of C <sup>+</sup> ···H <sup>-</sup> interactions. <i>RSC Advances</i> , 2021, 11, 30148-30155.	1.7	13
81	Theoretical study of spodium bonding in the active site of three Zn-proteins and several model systems. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16888-16896.	1.3	12
82	H-Bonds, $\pi$ -Stacking and (Water)O-H··· $\pi$ Interactions in ( $\mu$ -4-EDTA)Bis(Imidazole) Dicopper(II) Dihydrate. <i>Crystals</i> , 2021, 11, 48.	1.0	4
83	Crystal engineering with pyrazolyl-thiazole derivatives: structure-directing role of $\pi$ -stacking and $\pi$ -hole interactions. <i>CrystEngComm</i> , 2021, 23, 3276-3287.	1.3	21
84	A theoretical insight on the anion···anion interactions observed in the solid state structure of a hetero-trinuclear complex. <i>CrystEngComm</i> , 2021, 23, 1429-1438.	1.3	11
85	On the importance of RH <sub>3</sub> C <sup>+</sup> N tetrel bonding interactions in the solid state of a dinuclear zinc complex with a tetradentate Schiff base ligand. <i>CrystEngComm</i> , 2021, 23, 3391-3397.	1.3	8
86	Differentiating intramolecular spodium bonds from coordination bonds in two polynuclear zinc(II) Schiff base complexes. <i>CrystEngComm</i> , 2021, 23, 2703-2710.	1.3	39
87	A convenient access to fluorophosphonium triflate salts by electrophilic fluorination and anion exchange. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2854-2864.	3.0	7
88	Biological halogen bonds in protein···ligand complexes: a combined QTAIM and NCIPlot study in four representative cases. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6858-6864.	1.5	10
89	Glutamate carboxypeptidase II as a model system for designing host···guest units: a theoretical approach. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7816-7821.	1.5	1
90	Spodium bonding in five coordinated Zn(II): a new player in crystal engineering?. <i>CrystEngComm</i> , 2021, 23, 3084-3093.	1.3	33



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91	Biologically relevant and energetically significant cooperative ternary $(\text{H}_2\text{O})_{21}/(\text{phen})_2$ assemblies and fascinating discrete $(\text{H}_2\text{O})_{21}$ clusters in isostructural 2,5-pyridine dicarboxylato $\text{Co}(\text{II})$ and $\text{Zn}(\text{II})$ phenanthroline compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021, 45, 3699-3715.	1.4	13
92	Synthesis of $\text{Ni}(\text{II})-\text{Mn}(\text{II})$ complexes using a new mononuclear $\text{Ni}(\text{II})$ complex of an unsymmetrical $\text{N}_2\text{O}_3$ donor ligand: structures, magnetic properties and catalytic oxidase activity. <i>Dalton Transactions</i> , 2021, 50, 4686-4699.	1.6	25
93	Iodonium complexes of the tertiary amines quinuclidine and 1-ethylpiperidine. <i>Dalton Transactions</i> , 2021, 50, 8297-8301.	1.6	16
94	Nickel(II) complexes based on dithiolate-polyamine binary ligand systems: crystal structures, hirshfeld surface analysis, theoretical study, and catalytic activity study on photocatalytic hydrogen generation. <i>Dalton Transactions</i> , 2021, 50, 5632-5643.	1.6	13
95	$\pi$ -Hole spodium bonding in tri-coordinated $\text{Hg}(\text{II})$ complexes. <i>Dalton Transactions</i> , 2021, 50, 7545-7553.	1.6	14
96	A theoretical insight into the formation of chalcogen bonding (ChB) interactions involving coordinated DMSO molecules as $\pi$ -hole donors and benzoate groups as $\pi$ -hole acceptors in a dinuclear copper(II) complex. <i>CrystEngComm</i> , 2021, 23, 5087-5096.	1.3	12
97	Nucleophilic iodonium interactions (NIs) in 2-coordinate iodine(I) and silver(I) complexes. <i>Chemical Communications</i> , 2021, 57, 5094-5097.	2.2	13
98	X-ray characterization, Hirshfeld surface analysis, DFT calculations, <i>in vitro</i> and <i>in silico</i> lipoxygenase inhibition (LOX) studies of dichlorophenyl substituted 3-hydroxy-chromenones. <i>New Journal of Chemistry</i> , 2021, 45, 19928-19940.	1.4	22
99	Insight into the formation of H-bonds propagating the monomeric zinc complexes of a tridentate reduced Schiff base to form an infinite chain. <i>CrystEngComm</i> , 2021, 23, 1918-1928.	1.3	6
100	Bifurcated Halogen Bonding Involving Two Rhodium(I) Centers as an Integrated $\pi$ -Hole Acceptor. <i>Jacs Au</i> , 2021, 1, 354-361.	3.6	39
101	Weak Interactions in Cocrystals of Isoniazid with Glycolic and Mandelic Acids. <i>Crystals</i> , 2021, 11, 328.	1.0	8
102	Catecholase-Like Activity and Theoretical Study in Solid State of a New $\text{Ru}(\text{III})$ -Schiff Base Complex. <i>Acta Chimica Slovenica</i> , 2021, 68, 212-221.	0.2	2
103	Utility of Three-Coordinate Silver Complexes Toward the Formation of Iodonium Ions. <i>Inorganic Chemistry</i> , 2021, 60, 5383-5390.	1.9	24
104	Synthesis, characterization, DNA binding ability, <i>in vitro</i> cytotoxicity, electrochemical properties and theoretical studies of copper(II) carboxylate complexes. <i>Inorganica Chimica Acta</i> , 2021, 518, 120235.	1.2	13
105	A nucleophilic iodine in a halogen-bonded iodonium complex manifests an unprecedented $\text{I}^+\cdots\text{Ag}^+$ interaction. <i>CheM</i> , 2021, 7, 948-958.	5.8	32
106	$\text{Cd}(\text{II})$ coordination polymer of fumaric acid and pyridyl-hydrazide Schiff base: Structure, photoconductivity and theoretical interpretation. <i>Inorganica Chimica Acta</i> , 2021, 518, 120253.	1.2	17
107	Azine Steric Hindrances Switch Halogen Bonding to $\text{N} \cdots \text{N}$ Arylation upon Interplay with $\pi$ -Hole Donating Haloarene nitriles. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1445-1455.	1.7	9
108	Short $\text{X} \cdots \text{N}$ Halogen Bonds With Hexamethylenetetraamine as the Acceptor. <i>Frontiers in Chemistry</i> , 2021, 9, 623595.	1.8	7

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109	Using Room Temperature Phosphorescence of Gold(I) Complexes for PAHs Sensing. <i>Molecules</i> , 2021, 26, 2444.	1.7	7
110	Dicopper(II)-EDTA Chelate as a Bicephalic Receptor Model for a Synthetic Adenine Nucleoside. <i>Pharmaceuticals</i> , 2021, 14, 426.	1.7	3
111	Anionâ€¦â€¦Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14385-14389.	7.2	46
112	Spodium bonding and other non-covalent interactions assisted supramolecular aggregation in a new mercury(II) complex of a nicotinohydrazide derivative. <i>Inorganica Chimica Acta</i> , 2021, 519, 120279.	1.2	25
113	Anionâ€¦â€¦Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie</i> , 2021, 133, 14506-14510.	1.6	4
114	An insight to the spin density distribution and non-covalent interactions in a carboxylate bridged class-I mixed valence cobalt(II),cobalt(III) complex of quadruplet nature. <i>Inorganica Chimica Acta</i> , 2021, 521, 120298.	1.2	8
115	Tri- and pentanuclear CuIIâ€“CdII complexes of N2O2 donor ligands with the variation of carboxylate coligands: Structural elucidation and theoretical study. <i>Inorganica Chimica Acta</i> , 2021, 521, 120351.	1.2	1
116	Ligand Steric Hindrances Switch Bridging ( $\frac{1}{4}$ - $\mu_2$ -)â€“O,O to Two-Center $\mu_2$ -O Halogen-Bonding Mode in the Assembly of Diketonate Copper(II) Species. <i>Crystal Growth and Design</i> , 2021, 21, 4073-4082.	1.4	5
117	A new coordination polymer constructed from Pb(NO3)2 and a benzylideneisonicotinohydrazide derivative: Coordination-induced generation of a $\pi$ -hole towards a tetrel-bonding stabilized structure. <i>Journal of Molecular Structure</i> , 2021, 1234, 130139.	1.8	11
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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363	Polymorphism in secondary squaramides: on the importance of $\pi$ -interactions involving the four membered ring. <i>CrystEngComm</i> , 2018, 20, 237-244.	1.3	14
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473	New pyridoxal based chemosensor for selective detection of Zn <sup>2+</sup> : Application in live cell imaging and phosphatase activity response. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 334, 86-100.	2.0	17
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