

Antonio Frontera

List of Publications by Year in descending order

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802
papers

27,203
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9264

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17104

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836
docs citations

836
times ranked

12736
citing authors

#	ARTICLE	IF	CITATIONS
1	Favipiravir: insight into the crystal structure, Hirshfeld surface analysis and computational study. Journal of the Iranian Chemical Society, 2022, 19, 85-94.	2.2	26
2	Phenanthroline-based Ni(II) coordination compounds involving unconventional discrete fumarate-water-nitrate clusters and energetically significant cooperative ternary π -stacked assemblies: Antiproliferative evaluation and theoretical studies. Journal of Molecular Structure, 2022, 1248, 131424.	3.6	10
3	Lead(Pb^{II}) supramolecular structures formed through a cooperative influence of the hydrazinecarbothioamide derived and ancillary ligands. CrystEngComm, 2022, 24, 368-378.	2.6	7
4	Metal Centers as Nucleophiles: Oxymoron of Halogen Bonding Involving Crystal Engineering. Chemistry - A European Journal, 2022, 28, .	3.3	41
5	Seâ€¦â€¦â€¦O/S and Sâ€¦â€¦â€¦O Chalcogen Bonds in Small Molecules and Proteins: A Combined CSD and PDB Study. ChemBioChem, 2022, 23, e202100498.	2.6	27
6	A comparative study of noncovalent interactions in various Ni-compounds containing nitrogen heteroaromatic ligands and pseudohalides: A combined experimental and theoretical studies. Inorganica Chimica Acta, 2022, 531, 120702.	2.4	0
7	Energetic features of antiparallel stacking and hydrogen bonding interactions in two coordination complexes bearing 1,10-phenanthroline-2,9-dicarboxylic acid. Journal of Molecular Structure, 2022, 1251, 131963.	3.6	3
8	An insight into triel bonds in $\text{O}=\text{O}=\text{O}^{2-}$ -diarylphosphorodithioates of thallium(Tl^I): experimental and theoretical investigations. New Journal of Chemistry, 2022, 46, 832-843.	2.8	7
9	Synthesis, structural topologies and anticancer evaluation of phenanthroline-based 2,6-pyridinedicarboxylato Cu(II) and Ni(II) compounds. Polyhedron, 2022, 213, 115632.	2.2	6
10	Spodium bonds and metal-halogen-halogen-metal interactions in propagation of monomeric units to dimeric or polymeric architectures. Journal of Molecular Structure, 2022, 1252, 132144.	3.6	8
11	Solvothermal synthesis and crystal structures of two Holmium(III)-5-Hydroxyisophthalate entangled coordination polymers and theoretical studies on the importance of π -stacking interactions. Journal of Molecular Structure, 2022, 1254, 132329.	3.6	10
12	Multicomponent Solids of DL-2-Hydroxy-2-phenylacetic Acid and Pyridinecarboxamides. Crystals, 2022, 12, 142.	2.2	4
13	Frontispiece: Metal Centers as Nucleophiles: Oxymoron of Halogen Bonding Involving Crystal Engineering. Chemistry - A European Journal, 2022, 28, .	3.3	5
14	Host-guest complexes vs. supramolecular polymers in chalcogen bonding receptors: an experimental and theoretical study. Dalton Transactions, 2022, 51, 1325-1332.	3.3	6
15	Large interaction energy for the homodimer and the heterodimer extracted from the supramolecular chain of a bent trinuclear zinc(Zn^{II}) complex with a reduced Schiff base ligand. New Journal of Chemistry, 2022, 46, 1845-1856.	2.8	2
16	Aza-Crown-Based Macrocyclic Probe Design for PET-off-Multi-Cu ²⁺ Responsive and CHEF-on-Multi-Zn ²⁺ Sensor: Application in Biological Cell Imaging and Theoretical Studies. Inorganic Chemistry, 2022, 61, 1982-1996.	4.0	5
17	Oxalic Acid, a Versatile Coformer for Multicomponent Forms with 9-Ethyladenine. Crystals, 2022, 12, 89.	2.2	3
18	Syntheses, crystal structures and supramolecular assemblies of two Cu(Cu^{II}) complexes based on a new heterocyclic ligand: insights into $\text{Ca}^{\text{H}}\text{Cl}$ and π - π interactions. CrystEngComm, 2022, 24, 1598-1611.	2.6	17

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19	Anion- π Catalysis Enabled by the Mechanical Bond**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	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.	4.0	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.	3.3	10
22	Enhancing chalcogen bonding by metal coordination. <i>Dalton Transactions</i> , 2022, , .	3.3	9
23	Metallophilic interactions in silver(Ag^+) dicyanoaurate complexes. <i>Dalton Transactions</i> , 2022, , .	3.3	1
24	Do 2-coordinate iodine(I_2) and silver(Ag^+) complexes form nucleophilic iodonium interactions (NIs) in solution?. <i>Chemical Communications</i> , 2022, 58, 4977-4980.	4.1	9
25	Chameleonic metal-bound isocyanides: a π -donating Cu^{I} -center imparts nucleophilicity to the isocyanide carbon toward halogen bonding. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1655-1665.	6.0	13
26	Structural topologies involving energetically significant antiparallel π -stacking and unconventional N(nitrile)- π (fumarate) contacts in dinuclear Zn^{II} and polymeric Mn^{II} compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 5296-5311.	2.8	7
27	Synthesis, spectroscopic findings and crystal engineering of Pb^{II} -Salen coordination polymers, and supramolecular architectures engineered by f -hole/spodium/tetrel bonds: a combined experimental and theoretical investigation. <i>RSC Advances</i> , 2022, 12, 6352-6363.	3.6	25
28	Iodine(I_2) complexes incorporating sterically bulky 2-substituted pyridines. <i>RSC Advances</i> , 2022, 12, 8674-8682.	3.6	6
29	Solvent-driven structural topologies in phenanthroline-based co-crystals of Zn^{II} involving fascinating infinite chair-like $\{[(\text{bzH})_4\text{Cl}]_2\}^{2+}$ assemblies and unconventional layered infinite $\{\text{bz-H}_2\text{O-Cl}\}_n$ anion-water clusters: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 5638-5652.	2.8	4
30	Anion-Responsive Fluorescent Supramolecular Gels. <i>Molecules</i> , 2022, 27, 1257.	3.8	10
31	Field-induced single-molecule magnet behaviour in a series of dinuclear cobalt(III,II) complexes. <i>Polyhedron</i> , 2022, 220, 115802.	2.2	5
32	Substituent Effects in π -Hole Regium Bonding Interactions Between $\text{Au}(\text{pPy})_2$ Complexes and Lewis Bases: An <i>ab initio</i> Study. <i>ChemPhysChem</i> , 2022, , .	2.1	6
33	Direct conversion of white phosphorus to versatile phosphorus transfer reagents via oxidative onioation. <i>Nature Chemistry</i> , 2022, 14, 384-391.	13.6	31
34	Anion- π stacks of Lindqvist superoctahedra $[\text{Mo}_6\text{O}_{19}]^{2-}$ supported by caffeinium and theophyllinium cations. <i>Inorganica Chimica Acta</i> , 2022, 537, 120945.	2.4	2
35	Polymorphism in the 1/1 Pterostilbene/Picolinic Acid Cocrystal. <i>Crystal Growth and Design</i> , 2022, 22, 590-597.	3.0	10
36	Inorganic-organic $\{d_z^2\text{-M}^{\text{II}}\text{S}_4\}$ -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.	6.0	9

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37	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. <i>Chemical Science</i> , 2022, 13, 5650-5658.	7.4	16
38	Metal Coordination Enhances Chalcogen Bonds: CSD Survey and Theoretical Calculations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4188.	4.1	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.	2.4	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.	3.6	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.	4.0	6
42	On the energetic stability of halogen bonds involving metals: implications in crystal engineering. <i>CrystEngComm</i> , 2022, 24, 4440-4446.	2.6	15
43	On metal coordination of neutral open-shell P-ligands focusing on phosphanoxyls, their electron residence and reactivity. <i>Chemical Communications</i> , 2022, 58, 6270-6279.	4.1	3
44	Insight into non-covalent interactions in a [Cu(N ₃) ₄] ²⁺ bridged hetero-pentanuclear copper(II)/sodium complex with special emphasis on the strong CH \cdots Œ[Cu(N ₃) ₄] interactions. <i>New Journal of Chemistry</i> , 2022, 46, 11286-11295.	2.8	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.	2.6	8
46	Estimation of the ability of the Œ-system of pseudohalides (azide and thiocyanate) to participate in CH \cdots Œ interactions in cyclic hetero-tetranuclear cobalt(III)/sodium and linear trinuclear mixed valence cobalt(III/II/III) complexes. <i>Polyhedron</i> , 2022, 222, 115862.	2.2	4
47	Supramolecular Assemblies Based on Œ-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.	2.6	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.	2.2	5
50	Exploration of supramolecular and theoretical aspects of two new Cu(II) complexes: On the importance of lone pair \cdots Œ(chelate ring) and Œ \cdots Œ(chelate ring) interactions. <i>Journal of Molecular Structure</i> , 2022, 1265, 133358.	3.6	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.	4.1	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, .	3.3	21
53	Revision of the Crystal Structure of the Orthorhombic Polymorph of Oxyma: On the Importance of Œ-Hole Interactions and Their Interplay with H \cdots Bonds. <i>Crystals</i> , 2022, 12, 823.	2.2	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.	2.2	3

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55	Antiparallel π - π and π - π contacts in a novel Zn(II) coordination solid involving π -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.	3.6	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.	2.2	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.	2.2	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.	2.2	2
59	Magnetically separable nanocatalyst ($\text{IL@CuFe}_2\text{O}_4\text{-L-Tyr-TiO}_2/\text{TiCIL}$): 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.	3.6	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.	3.6	10
61	Synthesis, X-ray characterization, Hirshfeld surface analysis and DFT calculations on tetrazolyl-phenol derivatives: H-bonds vs π - π interactions. <i>Journal of Molecular Structure</i> , 2021, 1227, 129425.	3.6	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.	2.4	7
63	Energetically significant nitrile \cdots nitrile and unconventional π - π (nitrile) 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.	3.6	13
64	Bifurcated $\frac{1}{4} \times 2 \times 1$ (N,O) Halogen Bonding: The Case of (Nitrosoguanidinate) Ni^{II} Cocrystals with Iodine(I)-Based π -Hole Donors. <i>Crystal Growth and Design</i> , 2021, 21, 588-596.	3.0	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.	3.3	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.	2.6	3
67	Ligand structure-driven self-assembly of $\text{Zn}(\text{NCS})_2$ with a carbohydrazone ligand: A possible intermediate towards a $[\text{Zn}_2\text{A}_2]$ metallic grid. <i>Journal of Molecular Structure</i> , 2021, 1225, 129269.	3.6	4
68	A supramolecular 3D structure constructed from a new metal chelate self-assembled from $\text{Sn}(\text{NCS})_2$ and phenyl(pyridin-2-yl)methylenepicolinohydrazide. <i>Journal of Molecular Structure</i> , 2021, 1224, 129188.	3.6	8
69	Energetically significant cooperative π -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.	3.6	17
70	Energetically significant anti-parallel π -stacking and unconventional anion- π interactions in phenanthroline based Ni(II) and Cu(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Inorganica Chimica Acta</i> , 2021, 516, 120082.	2.4	16
71	A tetrameric uudd 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.	2.4	13
72	Existence of stronger C-H \cdots π (chelate ring) interaction compared to C-H \cdots π (arene) interactions in the supramolecular assembly of dinuclear iron(III) Schiff base complexes: A theoretical insight. <i>Inorganica Chimica Acta</i> , 2021, 516, 120081.	2.4	9

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73	Unprecedented [d9]Cu ⁺ [d10]Au coinage bonding interactions in {Cu(NH ₃) ₄ [Au(CN) ₂]} ⁺ [Au(CN) ₂] ⁻ salt. Chemical Communications, 2021, 57, 7268-7271.	4.1	8
74	Anion-dependent structural variations and charge transport property analysis of 4-((3-pyridyl)-4,2,6-triazine-2-yl)-terpyridinium salts. CrystEngComm, 2021, 23, 3569-3581.	2.6	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 ⁻ ⋯ halogen bonding. CrystEngComm, 2021, 23, 1578-1587.	2.6	8
76	Ultrashort H ⁺ ⋯H ⁺ intermolecular distance in a supramolecular system in the solid state. Chemical Communications, 2021, 57, 7112-7115.	4.1	4
77	Supramolecular assemblies involving biologically relevant antiparallel π -stacking and unconventional solvent driven structural topology in maleato and fumarato bridged Zn(II) coordination polymers: antiproliferative evaluation and theoretical studies. New Journal of Chemistry, 2021, 45, 13040-13055.	2.8	9
78	Dual role of silver in a fluorogenic N-squaraine probe based on Ag(I)⋯ interactions. Dalton Transactions, 2021, 50, 9367-9371.	3.3	2
79	An experimental and theoretical exploration of supramolecular interactions and photoresponse properties of two Ni(II) complexes. New Journal of Chemistry, 2021, 45, 12108-12119.	2.8	8
80	Synthesis and characterization of a mononuclear zinc(II) Schiff base complex: on the importance of C=H⋯ interactions. RSC Advances, 2021, 11, 30148-30155.	3.6	13
81	Theoretical study of spodium bonding in the active site of three Zn-proteins and several model systems. Physical Chemistry Chemical Physics, 2021, 23, 16888-16896.	2.8	12
82	H-Bonds, π -Stacking and (Water)O-H⋯ Interactions in (μ ₄ -EDTA)Bis(Imidazole) Dicopper(II) Dihydrate. Crystals, 2021, 11, 48.	2.2	4
83	Crystal engineering with pyrazolyl-thiazole derivatives: structure-directing role of π -stacking and π -hole interactions. CrystEngComm, 2021, 23, 3276-3287.	2.6	21
84	A theoretical insight on the anion⋯anion interactions observed in the solid state structure of a hetero-trinuclear complex. CrystEngComm, 2021, 23, 1429-1438.	2.6	11
85	On the importance of RH ₃ C≡N tetrel bonding interactions in the solid state of a dinuclear zinc complex with a tetradentate Schiff base ligand. CrystEngComm, 2021, 23, 3391-3397.	2.6	8
86	Differentiating intramolecular spodium bonds from coordination bonds in two polynuclear zinc(II) Schiff base complexes. CrystEngComm, 2021, 23, 2703-2710.	2.6	39
87	A convenient access to fluorophosphonium triflate salts by electrophilic fluorination and anion exchange. Inorganic Chemistry Frontiers, 2021, 8, 2854-2864.	6.0	7
88	Biological halogen bonds in protein⋯ligand complexes: a combined QTAIM and NCIPLOT study in four representative cases. Organic and Biomolecular Chemistry, 2021, 19, 6858-6864.	2.8	10
89	Glutamate carboxypeptidase II as a model system for designing host⋯guest units: a theoretical approach. Organic and Biomolecular Chemistry, 2021, 19, 7816-7821.	2.8	1
90	Spodium bonding in five coordinated Zn(II): a new player in crystal engineering?. CrystEngComm, 2021, 23, 3084-3093.	2.6	33

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91	Biologically relevant and energetically significant cooperative ternary $(\text{H}_2\text{O})_{21}/(\text{phen})_2/\text{Co}(\text{II})$ 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.	2.8	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 N_2O_3 donor ligand: structures, magnetic properties and catalytic oxidase activity. <i>Dalton Transactions</i> , 2021, 50, 4686-4699.	3.3	25
93	Iodonium complexes of the tertiary amines quinuclidine and 1-ethylpiperidine. <i>Dalton Transactions</i> , 2021, 50, 8297-8301.	3.3	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.	3.3	13
95	$\text{I}-\text{Hole}$ spodium bonding in tri-coordinated $\text{Hg}(\text{II})$ complexes. <i>Dalton Transactions</i> , 2021, 50, 7545-7553.	3.3	14
96	A theoretical insight into the formation of chalcogen bonding (ChB) interactions involving coordinated DMSO molecules as $\text{I}-\text{hole}$ donors and benzoate groups as $\text{I}-\text{hole}$ acceptors in a dinuclear copper(II) complex. <i>CrystEngComm</i> , 2021, 23, 5087-5096.	2.6	12
97	Nucleophilic iodonium interactions (NIs) in 2-coordinate iodine(I) and silver(I) complexes. <i>Chemical Communications</i> , 2021, 57, 5094-5097.	4.1	13
98	X-ray characterization, Hirshfeld surface analysis, DFT calculations, <i>in vitro</i> and <i>in silico</i> lipoxigenase inhibition (LOX) studies of dichlorophenyl substituted 3-hydroxy-chromenones. <i>New Journal of Chemistry</i> , 2021, 45, 19928-19940.	2.8	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.	2.6	6
100	Bifurcated Halogen Bonding Involving Two Rhodium(I) Centers as an Integrated $\text{I}-\text{Hole}$ Acceptor. <i>Jacs Au</i> , 2021, 1, 354-361.	7.9	39
101	Weak Interactions in Cocrystals of Isoniazid with Glycolic and Mandelic Acids. <i>Crystals</i> , 2021, 11, 328.	2.2	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.	0.6	2
103	Utility of Three-Coordinate Silver Complexes Toward the Formation of Iodonium Ions. <i>Inorganic Chemistry</i> , 2021, 60, 5383-5390.	4.0	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.	2.4	13
105	A π -nucleophilic-iodine in a halogen-bonded iodonium complex manifests an unprecedented $\text{I}^+\cdots\text{Ag}^+$ interaction. <i>CheM</i> , 2021, 7, 948-958.	11.7	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.	2.4	17
107	Azine Steric Hindrances Switch Halogen Bonding to $\text{N} \cdots \text{Ar}$ Arylation upon Interplay with $\text{I}-\text{Hole}$ Donating Haloarene nitriles. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1445-1455.	3.3	9
108	Short $\text{X} \cdots \text{N}$ Halogen Bonds With Hexamethylenetetraamine as the Acceptor. <i>Frontiers in Chemistry</i> , 2021, 9, 623595.	3.6	7

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109	Using Room Temperature Phosphorescence of Gold(I) Complexes for PAHs Sensing. <i>Molecules</i> , 2021, 26, 2444.	3.8	7
110	Dicopper(II)-EDTA Chelate as a Bicephalic Receptor Model for a Synthetic Adenine Nucleoside. <i>Pharmaceuticals</i> , 2021, 14, 426.	3.8	3
111	Anionâ€¦â€¦Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14385-14389.	13.8	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.	2.4	25
113	Anionâ€¦â€¦Anion Coinage Bonds: The Case of Tetrachloridoaurate. <i>Angewandte Chemie</i> , 2021, 133, 14506-14510.	2.0	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.	2.4	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.	2.4	1
116	Ligand Steric Hindrances Switch Bridging ($\frac{1}{4}$ -Iâ€“O,O to Two-Center Iâ€“O Halogen-Bonding Mode in the Assembly of Diketonate Copper(II) Species. <i>Crystal Growth and Design</i> , 2021, 21, 4073-4082.	3.0	5
117	A new coordination polymer constructed from Pb(NO3)2 and a benzylideneisonicotinohydrazide derivative: Coordination-induced generation of a Î€-hole towards a tetrel-bonding stabilized structure. <i>Journal of Molecular Structure</i> , 2021, 1234, 130139.	3.6	11
118	Diastereoselective Amplification of a Mechanically Chiral [2]Catenane. <i>Journal of the American Chemical Society</i> , 2021, 143, 11957-11962.	13.7	29
119	Charge Assisted S/Se Chalcogen Bonds in SAM Riboswitches: A Combined PDB and ab Initio Study. <i>ACS Chemical Biology</i> , 2021, 16, 1701-1708.	3.4	13
120	Diarylodonium Tetrachloroplatinates(II): Recognition of a Trifurcated Metal-Involving $\frac{1}{4}$ -Iâ€“O(Cl,Cl,Pt) Halogen Bond. <i>Crystal Growth and Design</i> , 2021, 21, 5360-5372.	3.0	23
121	Spodium Bonds in Biological Systems: Expanding the Role of Zn in Protein Structure and Function. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3945-3954.	5.4	21
122	Molecular Electrostatic Potential and Noncovalent Interactions in Derivatives of Group 8 Elements. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20723-20727.	13.8	58
123	1-Ethyluracil, a New Scaffold for Preparing Multicomponent Forms: Synthesis, Characterization, and Computational Studies. <i>Crystal Growth and Design</i> , 2021, 21, 4857-4870.	3.0	2
124	Molecular Electrostatic Potential and Noncovalent Interactions in Derivatives of Group 8 Elements. <i>Angewandte Chemie</i> , 2021, 133, 20891-20895.	2.0	9
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