Antonio Frontera

List of Publications by Year
in descending order

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802	27,203	9264	17105
papers	citations	74 h-index	122 g-index

836	836	836	12736
all docs	docs citations	times ranked	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 Ï€-stacked assemblies: Antiproliferative evaluation and theoretical studies. Journal of Molecular Structure, 2022, 1248, 131424.	3.6	10
3	Lead(<scp>ii</scp>) 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 Bondâ€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 O,Oâ€²-diarylphosphorodithioates of thallium(<scp>i</scp>): 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 metalâ€“halogenÂ·Â·Â·halogenâ€“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 Ï€â€¢â€¢â€¢Ï€ 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 Bondâ€Involving Crystal Engineering. Chemistry - A European Journal, 2022, 28, .	3.3	5
14	Hostâ€“guest complexesvs.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(<scp>ii</scp>) 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 â€œPET-offâ€•Multi-Cu²⁺ Responsive and â€œCHEF-onâ€•Multi-Zn²⁺ 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(<scp>ii</scp>) complexes based on a new heterocyclic ligand: insights into Câ€“Hâ‹¯Cl and Ï€â‹¯Ï€ interactions. CrystEngComm, 2022, 24, 1598-1611.	2.6	17

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19	Anionâ€“Ï€ Catalysis Enabled by the Mechanical Bond**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
20	Topochemical [2 + 2] Cycloaddition in a Two-Dimensional Metalâ€“Organic Framework via SCSC Transformation Impacts Halogen‹b›Â·Â·Â·‹/b›Halogen Interactions. Inorganic Chemistry, 2022, 61, 3029-3032.	4.0	10
21	Insight into charge transportation in cadmium based semiconducting organicâ€“inorganic hybrid materials and their application in the fabrication of photosensitive Schottky devices. Dalton Transactions, 2022, 51, 5721-5734.	3.3	10
22	Enhancing chalcogen bonding by metal coordination. Dalton Transactions, 2022, , .	3.3	9
23	Metallophilic interactions in silver(‹scp›i‹/scp›) dicyanoaurate complexes. Dalton Transactions, 2022, , .	3.3	1
24	Do 2-coordinate iodine(‹scp›i‹/scp›) and silver(‹scp›i‹/scp›) complexes form nucleophilic iodonium interactions (NIIs) in solution?. Chemical Communications, 2022, 58, 4977-4980.	4.1	9
25	Chameleonic metal-bound isocyanides: a Ï€-donating Cu‹sup›I‹/sup›-center imparts nucleophilicity to the isocyanide carbon toward halogen bonding. Inorganic Chemistry Frontiers, 2022, 9, 1655-1665.	6.0	13
26	Structural topologies involving energetically significant antiparallel Ï€-stacking and unconventional N(nitrile)â‹¯Ï€(fumarate) contacts in dinuclear Zn(‹scp›ii‹/scp›) and polymeric Mn(‹scp›ii‹/scp›) compounds: antiproliferative evaluation and theoretical studies. New Journal of Chemistry, 2022, 46, 5296-5311.	2.8	7
27	Synthesis, spectroscopic findings and crystal engineering of Pb(‹scp›ii‹/scp›)â€“Salen coordination polymers, and supramolecular architectures engineered by Ïƒ-hole/spodium/tetrel bonds: a combined experimental and theoretical investigation. RSC Advances, 2022, 12, 6352-6363.	3.6	25
28	Iodine(‹scp›i‹/scp›) complexes incorporating sterically bulky 2-substituted pyridines. RSC Advances, 2022, 12, 8674-8682.	3.6	6
29	Solvent-driven structural topologies in phenanthroline-based co-crystals of Zn(‹scp›II‹/scp›) involving fascinating infinite chair-like {[(bzH)‹sub›4‹/sub›Cl‹sub›2‹/sub›]‹sup›2â^'‹/sup›}‹sub›‹i›n‹/i›‹/sub›assemblies and unconventional layered infinite {bz-H‹sub›2‹/sub›O-Cl}‹sub›‹i›n‹/i›‹/sub›anion-water clusters: antiproliferative evaluation and theoretical studies. New Journal of Chemistry, 2022, 46, 5638-5652.	2.8	4
30	Anion-Responsive Fluorescent Supramolecular Gels. Molecules, 2022, 27, 1257.	3.8	10
31	Field-induced single-molecule magnet behaviour in a series of dinuclear cobalt(III,II) complexes. Polyhedron, 2022, 220, 115802.	2.2	5
32	Substituent Effects in Ï€â€Hole Regium Bonding Interactions Between Au(‹i›p‹/i› â€Xâ€Py) ‹sub›2‹/sub› Complexes and Lewis Bases: An ‹i›ab initio‹/i› Study. ChemPhysChem, 2022, , .	2.1	6
33	Direct conversion of white phosphorus to versatile phosphorus transfer reagents via oxidative onioation. Nature Chemistry, 2022, 14, 384-391.	13.6	31
34	Anion-Ï€ stacks of Lindqvist superoctahedra [Mo6O19]2â^' supported by caffeinium and theophyllinium cations. Inorganica Chimica Acta, 2022, 537, 120945.	2.4	2
35	Polymorphism in the 1/1 Pterostilbene/Picolinic Acid Cocrystal. Crystal Growth and Design, 2022, 22, 590-597.	3.0	10
36	Inorganicâ€“organic {d‹sub›‹i›z‹/i›‹sup›2‹/sup›‹/sub›-M‹sup›II‹/sup›S‹sub›4‹/sub›}â‹¯Ï€-hole stacking in reverse sandwich structures: the case of cocrystals of group 10 metal dithiocarbamates with electron-deficient arenes. Inorganic Chemistry Frontiers, 2022, 9, 2869-2879.	6.0	9

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37	Zwitterionic iodonium species afford halogen bond-based porous organic frameworks. Chemical Science, 2022, 13, 5650-5658.	7.4	16
38	Metal Coordination Enhances Chalcogen Bonds: CSD Survey and Theoretical Calculations. International Journal of Molecular Sciences, 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. Inorganica Chimica Acta, 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. Journal of Molecular Structure, 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. Inorganic Chemistry, 2022, 61, 7130-7142.	4.0	6
42	On the energetic stability of halogen bonds involving metals: implications in crystal engineering. CrystEngComm, 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. Chemical Communications, 2022, 58, 6270-6279.	4.1	3
44	Insight into non-covalent interactions in a [Cu(N₃)₄]^{2â^'} bridged hetero-pentanuclear copper(<scp>ii</scp>)/sodium complex with special emphasis on the strong CHâ‹¯Ï€[Cu(N₃)₄] interactions. New Journal of Chemistry, 2022, 46, 11286-11295.	2.8	7
45	Expanding the toolbox of the coinage bond: adducts involving new gold(<scp>iii</scp>) derivatives and bioactive molecules. CrystEngComm, 2022, 24, 3846-3851.	2.6	8
46	Estimation of the ability of the Ï€-system of pseudohalides (azide and thiocyanate) to participate in CHÂ·Â·Â·Ï€ interactions in cyclic hetero-tetranuclear cobalt(III)/sodium and linear trinuclear mixed valence cobalt(III/II/III) complexes. Polyhedron, 2022, 222, 115862.	2.2	4
47	Supramolecular Assemblies Based on Ïƒ-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. CrystEngComm, 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. Polyhedron, 2022, 223, 115910.	2.2	5
50	Exploration of supramolecular and theoretical aspects of two new Cu(II) complexes: On the importance of lone pairÂ·Â·Â·Ï€(chelate ring) and Ï€Â·Â·Â·Ï€(chelate ring) interactions. Journal of Molecular Structure, 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. International Journal of Molecular Sciences, 2022, 23, 6372.	4.1	16
52	Noncovalent Interactions Involving Group 6â€‰in Biological Systems: The Case of Molybdopterin and Tungstopterin Cofactors. Chemistry - A European Journal, 2022, 28, .	3.3	21
53	Revision of the Crystal Structure of the Orthorhombic Polymorph of Oxyma: On the Importance of Ï€â€“Hole Interactions and Their Interplay with Hâ€“Bonds. Crystals, 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. Polyhedron, 2022, 224, 115982.	2.2	3

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55	Antiparallel Ï€Â·Â·Â·Ï€ and Câ^'HÂ·Â·Â·Hâ^'C contacts in a novel Zn(II) coordination solid involving Ï€-hole tetrel bonding interactions: A combined experimental and theoretical study, Hirshfeld surface analysis, molecular docking and potential drug property. Journal of Molecular Structure, 2022, 1268, 133686.	3.6	4
56	Synthesis, characterization and self assembly of dinuclear zinc Schiff base complexes: A combined experimental and theoretical study. Polyhedron, 2022, 225, 116044.	2.2	5
57	DFT study on CHâ‹¯O, CHÂ·Â·Â·SCN and SÂ·Â·Â· Ï€ interaction energies in three dinuclear mixed valence cobalt(III/II) complexes with secondary diamine ligands having inner N2O2 and outer O4 compartments. Polyhedron, 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. Polyhedron, 2022, 224, 116025.	2.2	2
59	Magnetically separable nanocatalyst (IL@CuFe2O4-L-Tyr-TiO2/TiTCIL): Preparation, characterization and its applications in 1,2,3-triazole synthesis and in photodegradation of MB. Journal of Molecular Structure, 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. Journal of Molecular Structure, 2021, 1226, 129346.	3.6	10
61	Synthesis, X-ray characterization, Hirshfeld surface analysis and DFT calculations on tetrazolyl-phenol derivatives: H-bonds vs Câ€“Hâ€¦Ï€/Ï€â€¦Ï€ interactions. Journal of Molecular Structure, 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. Inorganica Chimica Acta, 2021, 515, 120023.	2.4	7
63	Energetically significant nitrileâ‹¯nitrile and unconventional Câ€“Hâ‹¯Ï€(nitrile) interactions in pyridine based Ni(II) and Zn(II) coordination compounds: Antiproliferative evaluation and theoretical studies. Journal of Molecular Structure, 2021, 1223, 129246.	3.6	13
64	Bifurcated Î¼₂-IÂ·Â·Â·(N,O) Halogen Bonding: The Case of (Nitrosoguanidinate)Ni^{II} Cocrystals with Iodine(I)-Based Ï*f*-Hole Donors. Crystal Growth and Design, 2021, 21, 588-596.	3.0	24
65	Semiconducting properties of pyridyl appended linear dicarboxylate based coordination polymers: theoretical prediction via DFT study. Dalton Transactions, 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. CrystEngComm, 2021, 23, 1158-1171.	2.6	3
67	Ligand structure-driven self-assembly of Zn(NCS)2 with a carbohydrazone ligand: A possible intermediate towards a [2ÂÃ—Â2] metallic grid. Journal of Molecular Structure, 2021, 1225, 129269.	3.6	4
68	A supramolecular 3D structure constructed from a new metal chelate self-assembled from Sn(NCS)2 and phenyl(pyridin-2-yl)methylenepicolinohydrazide. Journal of Molecular Structure, 2021, 1224, 129188.	3.6	8
69	Energetically significant cooperative Ï€-stacked ternary assemblies in Ni(II) phenanthroline compounds involving discrete water clusters: Anticancer activities and theoretical studies. Journal of Molecular Structure, 2021, 1229, 129486.	3.6	17
70	Energetically significant anti-parallel Ï€-stacking and unconventional anion-Ï€ interactions in phenanthroline based Ni(II) and Cu(II) coordination compounds: Antiproliferative evaluation and theoretical studies. Inorganica Chimica Acta, 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. Inorganica Chimica Acta, 2021, 515, 120057.	2.4	13
72	Existence of stronger C HÂ·Â·Â·Ï€(chelate ring) interaction compared to C HÂ·Â·Â·Ï€(arene) interactions in the supramolecular assembly of dinuclear iron(III) Schiff base complexes: A theoretical insight. Inorganica Chimica Acta, 2021, 516, 120081.	2.4	9

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73	Unprecedented [d9]Cuâ‹¯[d10]Au coinage bonding interactions in {Cu(NH3)4[Au(CN)2]}+[Au(CN)2]â^' salt. Chemical Communications, 2021, 57, 7268-7271.	4.1	8
74	Anion-dependent structural variations and charge transport property analysis of 4â€²-(3-pyridyl)-4,2â€²:6â€²,4â€²â€²-terpyridinium salts. CrystEngComm, 2021, 23, 3569-3581.	2.6	5
75	Insight into non-covalent interactions in two triamine-based mononuclear iron(<scp>iii</scp>) Schiff base complexes with special emphasis on the formation of Brâ‹¯Ï€ halogen bonding. CrystEngComm, 2021, 23, 1578-1587.	2.6	8
76	Ultrashort HÎ´+â‹¯HÎ´â^' 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 Ï€-stacking and unconventional solvent driven structural topology in maleato and fumarato bridged Zn(<scp>ii</scp>) 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(<scp>i</scp>)â€“Ï€ 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(<scp>ii</scp>) complexes. New Journal of Chemistry, 2021, 45, 12108-12119.	2.8	8
80	Synthesis and characterization of a mononuclear zinc(<scp>ii</scp>) Schiff base complex: on the importance of Câ€“Hâ‹¯Ï€ 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, Ï€-Stacking and (Water)O-H/Ï€ Interactions in (Âµ4-EDTA)Bis(Imidazole) Dicopper(II) Dihydrate. Crystals, 2021, 11, 48.	2.2	4
83	Crystal engineering with pyrazolyl-thiazole derivatives: structure-directing role of Ï€-stacking and Ïƒ-hole interactions. CrystEngComm, 2021, 23, 3276-3287.	2.6	21
84	A theoretical insight on the anionâ‹¯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 RH₃Câ‹¯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(<scp>ii</scp>) 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 proteinâ€“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 hostâ€“guest units: a theoretical approach. Organic and Biomolecular Chemistry, 2021, 19, 7816-7821.	2.8	1
90	Spodium bonding in five coordinated Zn(<scp>ii</scp>): 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 (Ï€â€“Ï€)2/(Ï€â€“Ï€)1/(Ï€â€“Ï€)2 assemblies and fascinating discrete (H2O)21 clusters in isostructural 2,5-pyridine dicarboxylato Co(ii) and Zn(ii) phenanthroline compounds: antiproliferative evaluation and theoretical studies. New Journal of Chemistry, 2021, 45, 3699-3715.	2.8	13
92	Synthesis of Ni(<scp>ii</scp>)â€“Mn(<scp>ii</scp>) complexes using a new mononuclear Ni(<scp>ii</scp>) complex of an unsymmetrical N₂O₃ donor ligand: structures, magnetic properties and catalytic oxidase activity. Dalton Transactions, 2021, 50, 4686-4699.	3.3	25
93	Iodonium complexes of the tertiary amines quinuclidine and 1-ethylpiperidine. Dalton Transactions, 2021, 50, 8297-8301.	3.3	16
94	Nickel(<scp>ii</scp>) complexes based on dithiolateâ€“polyamine binary ligand systems: crystal structures, hirshfeld surface analysis, theoretical study, and catalytic activity study on photocatalytic hydrogen generation. Dalton Transactions, 2021, 50, 5632-5643.	3.3	13
95	Ï€-Hole spodium bonding in tri-coordinated Hg(<scp>ii</scp>) complexes. Dalton Transactions, 2021, 50, 7545-7553.	3.3	14
96	A theoretical insight into the formation of chalcogen bonding (ChB) interactions involving coordinated DMSO molecules as Ïƒ-hole donors and benzoate groups as Ïƒ-hole acceptors in a dinuclear copper(<scp>ii</scp>) complex. CrystEngComm, 2021, 23, 5087-5096.	2.6	12
97	Nucleophilic iodonium interactions (NIIs) in 2-coordinate iodine(<scp>i</scp>) and silver(<scp>i</scp>) complexes. Chemical Communications, 2021, 57, 5094-5097.	4.1	13
98	X-ray characterization, Hirshfeld surface analysis, DFT calculations,in vitroandin silicolipoxygenase inhibition (LOX) studies of dichlorophenyl substituted 3-hydroxy-chromenones. New Journal of Chemistry, 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. CrystEngComm, 2021, 23, 1918-1928.	2.6	6
100	Bifurcated Halogen Bonding Involving Two Rhodium(I) Centers as an Integrated Ïƒ-Hole Acceptor. Jacs Au, 2021, 1, 354-361.	7.9	39
101	Weak Interactions in Cocrystals of Isoniazid with Glycolic and Mandelic Acids. Crystals, 2021, 11, 328.	2.2	8
102	Catecholase-Like Activity and Theoretical Study in Solid State of a New Ru(III)-Schiff Base Complex. Acta Chimica Slovenica, 2021, 68, 212-221.	0.6	2
103	Utility of Three-Coordinate Silver Complexes Toward the Formation of Iodonium Ions. Inorganic Chemistry, 2021, 60, 5383-5390.	4.0	24
104	Synthesis, characterization, DNA binding ability, in vitro cytotoxicity, electrochemical properties and theoretical studies of copper(II) carboxylate complexes. Inorganica Chimica Acta, 2021, 518, 120235.	2.4	13
105	A â€œnucleophilicâ€•iodine in a halogen-bonded iodonium complex manifests an unprecedented I+Â·Â·Â·Ag+ interaction. CheM, 2021, 7, 948-958.	11.7	32
106	Cd(II) coordination polymer of fumaric acid and pyridyl-hydrazide Schiff base: Structure, photoconductivity and theoretical interpretation. Inorganica Chimica Acta, 2021, 518, 120253.	2.4	17
107	Azine Steric Hindrances Switch Halogen Bonding to Nâ€Arylation upon Interplay with Ïƒâ€Hole Donating Haloarenenitriles. Chemistry - an Asian Journal, 2021, 16, 1445-1455.	3.3	9
108	Short XÂ·Â·Â·N Halogen Bonds With Hexamethylenetetraamine as the Acceptor. Frontiers in Chemistry, 2021, 9, 623595.	3.6	7

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109	Using Room Temperature Phosphorescence of Gold(I) Complexes for PAHs Sensing. Molecules, 2021, 26, 2444.	3.8	7
110	Dicopper(II)-EDTA Chelate as a Bicephalic Receptor Model for a Synthetic Adenine Nucleoside. Pharmaceuticals, 2021, 14, 426.	3.8	3
111	Anionâ‹…â‹…â‹…Anion Coinage Bonds: The Case of Tetrachloridoaurate. Angewandte Chemie - International Edition, 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. Inorganica Chimica Acta, 2021, 519, 120279.	2.4	25
113	Anionâ‹…â‹…â‹…Anion Coinage Bonds: The Case of Tetrachloridoaurate. Angewandte Chemie, 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. Inorganica Chimica Acta, 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. Inorganica Chimica Acta, 2021, 521, 120351.	2.4	1
116	Ligand Steric Hindrances Switch Bridging (Î¼₂-I)Â·Â·Â·O,O to Two-Center IÂ·Â·Â·O Halogen-Bonding Mode in the Assembly of Diketonate Copper(II) Species. Crystal Growth and Design, 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 Ï€-hole towards a tetrel-bonding stabilized structure. Journal of Molecular Structure, 2021, 1234, 130139.	3.6	11
118	Diastereoselective Amplification of a Mechanically Chiral [2]Catenane. Journal of the American Chemical Society, 2021, 143, 11957-11962.	13.7	29
119	Charge Assisted S/Se Chalcogen Bonds in SAM Riboswitches: A Combined PDB and ab Initio Study. ACS Chemical Biology, 2021, 16, 1701-1708.	3.4	13
120	Diaryliodonium Tetrachloroplatinates(II): Recognition of a Trifurcated Metal-Involving Î¼₃-IÂ·Â·Â·(Cl,Cl,Pt) Halogen Bond. Crystal Growth and Design, 2021, 21, 5360-5372.	3.0	23
121	Spodium Bonds in Biological Systems: Expanding the Role of Zn in Protein Structure and Function. Journal of Chemical Information and Modeling, 2021, 61, 3945-3954.	5.4	21
122	Molecular Electrostatic Potential and Noncovalent Interactions in Derivatives of Group 8 Elements. Angewandte Chemie - International Edition, 2021, 60, 20723-20727.	13.8	58
123	1-Ethyluracil, a New Scaffold for Preparing Multicomponent Forms: Synthesis, Characterization, and Computational Studies. Crystal Growth and Design, 2021, 21, 4857-4870.	3.0	2
124	Molecular Electrostatic Potential and Noncovalent Interactions in Derivatives of Group 8 Elements. Angewandte Chemie, 2021, 133, 20891-20895.	2.0	9
125	Noble metals in polyoxometalates. Inorganica Chimica Acta, 2021, 523, 120410.	2.4	10
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