

Antonio Frontera

List of Publications by Year in descending order

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5000

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128
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1045
all docs

1045
docs citations

1045
times ranked

14434
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#	ARTICLE	IF	CITATIONS
1	A novel Co(II) complex with sulfamethoxazole ligand: Isostructuralism, non-covalent interactions, Hirshfeld surfaces, crystal voids and energy calculations. <i>Journal of Molecular Structure</i> , 2025, 1321, 139800.	4.1	1
2	Synergistic effect of hydrogen bonding and C-H...N interactions to modulate the supramolecular assemblies of isobenzofuranones: X-ray crystallography, DFT analysis and antihyperglycemic potential. <i>Journal of Molecular Structure</i> , 2025, 1321, 140263.	4.1	1
3	Structural and theoretical insights into the influence of thiocyanate ligands on divalent metal complexes with terpyridine derivatives. <i>Journal of Molecular Structure</i> , 2025, 1322, 140459.	4.1	2
4	Synthesis, X-ray characterization, and DFT study of six deferiprone analogues. <i>Journal of Molecular Structure</i> , 2025, 1326, 141123.	4.1	0
5	Binding of a Co(III) Metalloporphyrin to Amines in Water: Influence of the p <i>K_a</i> and Aromaticity of the Ligand, and pH-Modulated Allosteric Effect. <i>Inorganic Chemistry</i> , 2025, 64, 85-96.	4.6	0
6	Hydrophilic and hydrophobic interactions in the solid forms of the \hat{I}^2 -sitosterol cocrystal with propionic acid: A combined experimental and computational study. <i>Journal of Molecular Structure</i> , 2025, 1328, 141190.	4.1	0
7	Interaction of a Novel Dihydroxy Dibenzoazacrown with Different Surfactants: A Physicochemical and Spectroscopic Investigation. <i>Journal of Physical Chemistry B</i> , 2025, 129, 736-749.	2.9	0
8	Combining Distibene, Diazoolefins, and Visible Light: Synthesis and Reactivity of Inorganic Rings. <i>Journal of the American Chemical Society</i> , 2025, 147, 1421-1426.	15.7	0
9	Au(III) Acyclic (Amino)(N-Pyridinium)carbenoids: Synthesis via Addition of 2-PySeCl to Au-Bound Isonitriles, Structures, and Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2025, 26, 483.	4.5	0
10	Interplay of Tetrel, Hydrogen, and Halogen Bonds in F ₃ GeOCl and HCN Complexes: A Comprehensive Theoretical Study of Dimers, Trimers, and Tetramers. <i>Journal of Physical Chemistry A</i> , 2025, 129, 1368-1385.	2.7	0
11	Insights from solid state self-assembly of a triazine derivative involving multitude of organic fluorine interactions. <i>Journal of Molecular Structure</i> , 2025, 1345, 141710.	4.1	0
12	Cooperative assemblies featuring hydrogen bonding and C-H...N interactions in 2-(methanesulfonamido)benzohydrazide derivatives: Experimental, computational and biochemical assessment. <i>Journal of Molecular Structure</i> , 2024, 1295, 136752.	4.1	6
13	Crystallographic, theoretical and conductivity studies of two new complexes [Ni(II) and Cu(II)] based on mixed ligands approach. <i>Journal of Molecular Structure</i> , 2024, 1298, 137106.	4.1	3
14	Chalcogen and Hydrogen Bond Team up in Driving Anion...Anion Self-Assembly. <i>Chemistry - A European Journal</i> , 2024, 30, .	3.5	8
15	Effect of substituents on the ¹ O ₂ production and biological activity of (N ^N)Pt(py) complexes. <i>Dalton Transactions</i> , 2024, 53, 2475-2486.	3.2	1
16	Experimental and Theoretical Survey of Intramolecular Spodium Bonds/f/f-Holes and Noncovalent Interactions in Trinuclear Zn(II)-Salen Type Complex with OCN ⁺ Ions: A Holistic View in Crystal Engineering. <i>ACS Omega</i> , 2024, 9, 1786-1797.	4.4	15
17	Substituent Effect on Chalcogen Bonding in 5-Substituted Benzo[c][1,2,5]selenadiazoles and Their Copper(II) Complexes: Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2024, 24, 781-791.	3.5	9
18	Insight into the conformational selectivity of cobalt(ⁱⁱⁱ) complexes with a tetradentate salen-type Schiff base ligand and their biorelevant catalysis: a combined experimental and theoretical study. <i>New Journal of Chemistry</i> , 2024, 48, 2389-2402.	2.5	7

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19	CF ₃ -substituted sulfonium cations as efficient chalcogen bond donors towards cyanometalates. <i>CrystEngComm</i> , 2024, 26, 594-598.	2.5	6
20	Investigating the Impact of Packing and Environmental Factors on the Luminescence of Pt(N ^N N) Chromophores. <i>Inorganic Chemistry</i> , 2024, 63, 2821-2832.	4.6	4
21	One-Dimensional and Two-Dimensional Zn(II) Coordination Polymers with Ditopic Imidazo[1,5-a]pyridine: A Structural and Computational Study. <i>Molecules</i> , 2024, 29, 653.	4.4	2
22	Effect of substituents on the ¹ O ₂ production and biological activity of (N ^N N)Pt(py) complexes. <i>Dalton Transactions</i> , 2024, 53, 2475-2486.	3.2	0
23	Hybrid 2D Supramolecular Organic Frameworks (SOFs) Assembled by the Cooperative Action of Hydrogen and Halogen Bonding and π - π Stacking Interactions. <i>International Journal of Molecular Sciences</i> , 2024, 25, 2062.	4.5	2
24	On the pivotal role of tetrel bonding in the supramolecular architectures of Pb ^{II} π -NCS complexes with chelating thiosemicarbazide derivatives. <i>CrystEngComm</i> , 2024, 26, 1637-1646.	2.5	7
25	Halogen Bonding as a Supramolecular Modulator of Crystal Packing and Exchange Interactions in Nitronyl Nitroxides. <i>Crystal Growth and Design</i> , 2024, 24, 2104-2116.	3.5	2
26	Internal Coulombic assistance in intermolecular frustrated Lewis pair activation of dihydrogen. <i>New Journal of Chemistry</i> , 2024, 48, 4675-4679.	2.5	2
27	Supramolecular networks featuring diverse array of noncovalent interactions in crystals of hydrazinylidene-benzothiazinediones: X-ray crystallographic, DFT and biochemical analysis. <i>Journal of Molecular Structure</i> , 2024, 1306, 137840.	4.1	3
28	On the Existence of Pnictogen Bonding Interactions in As(III) S-Adenosylmethionine Methyltransferase Enzymes. <i>Chemistry - an Asian Journal</i> , 2024, 19, .	3.1	2
29	Investigating Recurrent Matere Bonds in Pertechnetate Compounds. <i>Chemistry - A European Journal</i> , 2024, 30, .	3.5	5
30	Fascinating inclusion of metal-organic complex moieties in dinuclear Mn(II) and Zn(II) compounds involving pyridinedicarboxylates and phenanthroline: Experimental and theoretical studies. <i>Polyhedron</i> , 2024, 254, 116947.	2.4	1
31	Halogen Bonding in Stereoselective Metal Chloride (M-Cl) Bond Activation and Transformation to Metal Triiodide (M-I ₃). <i>Crystal Growth and Design</i> , 2024, 24, 3342-3354.	3.5	0
32	Energetic Features of H-Bonded and π -Stacked Assemblies in Pyrazole-Based Coordination Compounds of Mn(II) and Cu(II): Experimental and Theoretical Studies. <i>Crystals</i> , 2024, 14, 318.	2.3	3
33	Supramolecular assembly in Cu(II) and Zn(II) compounds with pyridine and anthraquinone-1,5-disulfonate: Experimental and theoretical analysis. <i>Inorganica Chimica Acta</i> , 2024, 567, 122042.	2.8	1
34	Shortening C π -N π -Br π -C ₃ halogen bonds <i>via</i> π -stacking. <i>CrystEngComm</i> , 2024, 26, 2131-2135.	2.5	2
35	π -Charge Reverse TM Halogen Bonding Contacts in Metal-Organic Multi-Component Compounds: Antiproliferative Evaluation and Theoretical Studies. <i>Inorganics</i> , 2024, 12, 111.	2.8	2
36	Structural diversity and tetrel bonding significance in lead(ⁱⁱ) complexes with pyrazoylisonicotinoylhydrazone and varied anionic co-ligands. <i>CrystEngComm</i> , 2024, 26, 2526-2535.	2.5	0

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37	Formation of H-bonding networks in the solid state structure of a trinuclear cobalt(Co^{III})/ Co^{II} / Co^{III} complex with N_2O_2 donor Schiff base ligand and glutaric acid as bridging co-ligand: synthesis, structure and DFT study. <i>RSC Advances</i> , 2024, 14, 13200-13208.	4.5	4
38	The crucial role of hydrogen bonding in shaping the structures of zinc-based coordination polymers using tridentate N, N, O donor reduced Schiff base ligands and bridging acetates. <i>RSC Advances</i> , 2024, 14, 13905-13914.	4.5	2
39	Solvent-Induced Polymorphism in a Schiff Base Compound and Their Distinguishing Effects on Semiconducting Behaviors for Utilization in Photosensitive Schottky Devices. <i>Crystal Growth and Design</i> , 2024, 24, 4944-4954.	3.5	1
40	Silver(I) Octanuclear Complexes Containing N^2 -(4-Oxotiazolidin-2-ylidene)picolinohydrazoneamide and Nitrate as Bridge Ligands. An Example of Solvatomorphism?. <i>Inorganic Chemistry</i> , 2024, 63, 9221-9236.	4.6	0
41	Te^{I} secondary-bonding interactions in crystals containing tellurium(Te^{II}), tellurium(Te^{IV}) and iodide atoms: supramolecular aggregation patterns, nature of the non-covalent interactions and energy considerations. <i>CrystEngComm</i> , 2024, 26, 2784-2795.	2.5	2
42	Magnetic study and DFT analysis of a doubly carboxylato-bridged Co^{II} derivative anchored with a $\text{scorpionate}^{\text{TM}}$ precursor as a potential electrocatalyst for heterogeneous H_2 evolution. <i>Dalton Transactions</i> , 2024, 53, 9358-9368.	3.2	0
43	Light-Dependent Reactivity of Heavy Pnictogen Double Bonds. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	15.0	7
44	Light-Dependent Reactivity of Heavy Pnictogen Double Bonds. <i>Angewandte Chemie</i> , 2024, 136, .	1.5	0
45	Supramolecular Assemblies in Mn(II) and Zn(II) Metal-Organic Compounds Involving Phenanthroline and Benzoate: Experimental and Theoretical Studies. <i>Inorganics</i> , 2024, 12, 139.	2.8	1
46	Synthesis, Structural Characterisation, and Electrochemical Properties of Copper(II) Complexes with Functionalized Thiosemicarbazones Derived from 5-Acetylbarbituric Acid. <i>Molecules</i> , 2024, 29, 2245.	4.4	0
47	Interplay of a nitro group and metal ions: from coordinative binding to noncovalent semicoordination. <i>Inorganic Chemistry Frontiers</i> , 2024, 11, 3961-3974.	6.3	0
48	Supramolecular assemblies involving unusual N(nitrile) $\cdots\text{N}^{\text{TM}}$ (fum) and nitrile-nitrile non-covalent contacts in fumarato and succinato bridged polymers of Co^{II} and Ni^{II} : Experimental and theoretical studies. <i>Journal of Molecular Structure</i> , 2024, 1314, 138781.	4.1	0
49	A novel approach for estimating the strength of argentophilic and aurophilic interactions using QTAIM parameters. <i>Physical Chemistry Chemical Physics</i> , 2024, 26, 16550-16560.	2.8	5
50	Structural diversity of supramolecular networks formed between polycyanometalates and sulfur-based chalcogen bond donors. <i>CrystEngComm</i> , 2024, 26, 3627-3633.	2.5	0
51	Using Hybrid PDI- Fe_3O_4 Nanoparticles for Capturing Aliphatic Alcohols: Halogen Bonding vs. Lone Pair $\cdots\text{I}^{\text{TM}}$ Interactions. <i>International Journal of Molecular Sciences</i> , 2024, 25, 6436.	4.5	0
52	Synthesis and X-ray characterization of two new 1,4-benzoxazine derivatives: Structural analysis and DFT calculations. <i>Journal of Molecular Structure</i> , 2024, 1315, 138802.	4.1	1
53	Hydrogen bonding, halogen bonding and $\text{C}\cdots\text{H}\cdots\text{I}^{\text{TM}}$ interactions governing the supramolecular architecture of 1-(4-(4-bromophenyl)piperazin-1-yl)-2-chloroethan-1-one: Insights from X-ray crystallography, DFT calculations and urease inhibitory assessment. <i>Journal of Molecular Structure</i> , 2024, 1317, 139065.	4.1	1
54	Key-to-lock halogen bond-based tetragonal pyramidal association of iodonium cations with the lacune rims of beta-octamolybdate. <i>Chemical Science</i> , 2024, 15, 12459-12472.	7.5	5

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55	On the Existence of Matere Bonds in Pentacoordinated Manganese Complexes: A Combined Experimental and Theoretical Investigation. <i>Crystal Growth and Design</i> , 2024, 24, 5990-6000.	3.5	5
56	A neutral diphosphene radical: synthesis, electronic structure and white phosphorus activation. <i>Chemical Communications</i> , 2024, 60, 8537-8540.	4.2	0
57	N-Confused strapped calix[4]pyrrole: the missing member of calix[4]pyrrole chemistry. <i>Organic and Biomolecular Chemistry</i> , 2024, 22, 8249-8254.	2.7	0
58	Shift of the reduction potential of nickel(<i>II</i>) Schiff base complexes in the presence of redox innocent metal ions. <i>Dalton Transactions</i> , 2024, 53, 12316-12330.	3.2	0
59	A lead(<i>II</i>) π -N-isonicotinoylpyrazine-2-carbohydrazonamide complex system as a converter of aerial carbon dioxide to carbonate under electrochemical conditions with the formation of a single-component white light-emitting phosphor. <i>CrystEngComm</i> , 2024, 26, 4205-4213.	2.5	0
60	Introducing Cationic Selenium-Containing Triazapentadiene Ligand Framework: Synthesis, Coordination Chemistry, and Antifungal Activity. <i>Inorganic Chemistry</i> , 2024, 63, 13924-13937.	4.6	1
61	Aerial carbon dioxide conversion to carbonate mediated by a lead(<i>II</i>) complex with tridentate bipyridine containing a hydrazide ligand under electrochemical conditions yielding single-component white-light-emitting phosphors. <i>Inorganic Chemistry Frontiers</i> , 2024, 11, 6135-6145.	6.3	0
62	Anion driven tetrel bonding dictated supramolecular architectures of lead(<i>II</i>) with a zwitterionic form of polydentate π -N-(piperidine-1-carbonothioyl)picolinohydrazonamide. <i>CrystEngComm</i> , 2024, 26, 4357-4366.	2.5	0
63	Synthesis, Reactivity, and Theoretical Insights of Co-Sb ₂ and Co-Bi ₂ Rings. <i>Organometallics</i> , 2024, 43, 2581-2588.	3.0	1
64	Impact of halogen-halogen interaction on the mechanical motion of a 3D Pb(<i>II</i>) coordination polymer of elusive topology. <i>Chemical Communications</i> , 2024, 60, 10370-10373.	4.2	0
65	On the Significant Importance of Hg- π -Cl Spodium Bonding/ σ -Hole/Noncovalent Interactions and Nanoelectronic/Conductivity Applications in Mercury Complexes: Insights from DFT Spectrum. <i>Crystal Growth and Design</i> , 2024, 24, 7246-7261.	3.5	7
66	Schottky Device Fabrication of Linear Dicarboxylato-Bridged Mn(II) and Co(II) Coordination Polymers: Experimental and Theoretical Insights. <i>Crystal Growth and Design</i> , 2024, 24, 7597-7604.	3.5	2
67	A Tetranuclear copper(II) Complex with a Pyridine- π ,6-dicarboxamide Ligand: Structural and Magnetic Properties and In vitro Antiproliferative Activity Against Human Cancer Cells. <i>ChemistrySelect</i> , 2024, 9, .	1.7	0
68	A Nanosized Porous Supramolecular Lead(II) π -N-phenyl(pyridin-2-yl)methylene-N-phenylthiosemicarbazide Aggregate, Obtained Under Electrochemical Conditions. <i>Inorganic Chemistry</i> , 2024, 63, 18581-18588.	4.6	0
69	Synthesis, structural characterization, and theoretical analysis of novel zinc(<i>II</i>) schiff base complexes with halogen and hydrogen bonding interactions. <i>RSC Advances</i> , 2024, 14, 30896-30911.	4.5	4
70	Synthesis, Structural Characterization, and Theoretical Analysis of Nonconventional Bonding in Dinuclear Zinc(II) Complexes with Tridentate Schiff Bases. <i>ACS Omega</i> , 2024, 9, 41787-41796.	4.4	1
71	Reaction contest: hydrolysis versus intramolecular cyclisation reaction in alkyl squaramate esters. <i>RSC Advances</i> , 2024, 14, 32126-32132.	4.5	0
72	Unusual Metal-organic Multicomponent Ni(II) and Mononuclear Zn(II) Compounds Involving Pyridine dicarboxylates: Supramolecular Assemblies and Theoretical Studies. <i>Inorganics</i> , 2024, 12, 267.	2.8	0

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73	Crystallographic Evidence for Bi(I) as the Heaviest Halogen Bond Acceptor. <i>Journal of the American Chemical Society</i> , 2024, 146, 29877-29882.	15.7	4
74	Noncoordinating Anions as Key Modulators of Supramolecular Structures, Optical and Electrical Properties in Nickel(II) Complexes. <i>ACS Omega</i> , 2024, 9, 44494-44506.	4.4	0
75	Formal Metal-Dependent (M = Pt, Pd) Switching between Arene π -Hole and σ -(Te)-Hole in the Aretellurium(II) Noncovalent Binding. <i>Crystal Growth and Design</i> , 2024, 24, 9581-9589.	3.5	1
76	Chalcogen Bonding between Tellurium(II) and the Isocyanide Carbon. <i>Crystal Growth and Design</i> , 2024, 24, 10393-10402.	3.5	1
77	Synergistic π / π -Hole Interactions Directing Supramolecular Assembly: Tellurium-Platinum Chalcogen Bonding Enhanced by π -Stacking. <i>Crystal Growth and Design</i> , 2024, 24, 10235-10246.	3.5	1
78	Nucleophilicity of the Nitrile N Atom Whose Lone Pair Is Blocked by Metal Coordination. The π -Hole Interaction between an Arene Carbon and the Metal-Bound Nitrile Nitrogen. <i>Inorganic Chemistry</i> , 2024, 63, 24210-24221.	4.6	0
79	Supramolecular assemblies involving energetically significant unconventional π (CN)- π and anion- π (nitrile) contacts in Zn(II) coordination compounds: Antiproliferative evaluation and theoretical studies. <i>Journal of Molecular Structure</i> , 2023, 1274, 134568.	4.1	6
80	Exploration of Cl \cdots Cl and π - π stacking contacts along with the conductivity properties of a Cu-MOF featured with paddle-wheel SBUs. <i>CrystEngComm</i> , 2023, 25, 813-821.	2.5	5
81	Revealing the supramolecular features of two Zn(μ -) complexes derived from a new hydrazone ligand: a combined crystallographic, theoretical and antibacterial study. <i>CrystEngComm</i> , 2023, 25, 866-876.	2.5	6
82	Synthesis, structural characterization and DFT study of π -N-(pyrimidyl)- π -amino acids/peptide: π^2 -alanine, π^3 -aminobutyric acid, 5-aminovaleric acid, 6-aminohexanoic acid and glycyglycine. <i>CrystEngComm</i> , 2023, 25, 233-244.	2.5	0
83	π -Hole triel bonds in aluminium derivatives. <i>Dalton Transactions</i> , 2023, 52, 551-555.	3.2	9
84	Enclathration of Mn(II)(H ₂ O) ₆ guests and unusual Cu \cdots O bonding contacts in supramolecular assemblies of Mn(II) Co-crystal hydrate and Cu(II) Pyridinedicarboxylate: Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2023, 230, 116243.	2.4	3
85	Crystal engineering of Pb(II)-salen coordination polymer enforced for the selective fluorescence NACs sensing activity in a dispersed aqueous medium: A combined experimental and theoretical DFT monologue. <i>Journal of Molecular Structure</i> , 2023, 1276, 134717.	4.1	24
86	Interchangeability and Disorder in the Solid State Structures of Two Wall-Calix[4]pyrroles Equipped with Iodine and Ethynyl π -Substituents. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	3.1	2
87	A Tetranuclear Ni(II)-Cubane Cluster Molecule Build by Four μ^3 -O-Methanolate (MeO) Ligands, Externally Cohesive by Four Unprecedented Bridging μ^2 -N ₇ O ₆ -Acyclovirate (acv-H) Anions. <i>Crystals</i> , 2023, 13, 7.	2.3	1
88	π -Hole interactions in organometallic catalysts: the case of methyltrioxorhenium(μ -). <i>Dalton Transactions</i> , 2023, 52, 1030-1035.	3.2	5
89	Se \cdots Chalcogen Bonding in 1,2,4-Selenodiazolium Tetraphenylborate Complexes. <i>Symmetry</i> , 2023, 15, 212.	2.2	13
90	Halogen bonding between metal-bound I ₃ ⁺ and unbound I ₂ : the trapped I ₂ \cdots I ₃ ⁺ intermediate in the controlled assembly of copper(μ -)-based polyiodides. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 1522-1533.	6.3	8

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91	Chalcogen bonding in copper(II)-mediated synthesis. <i>Faraday Discussions</i> , 2023, 244, 77-95.	2.7	4
92	An insight into the non-covalent interactions in the solid state structures of dinuclear cobalt(II) complexes with N,O-donor ligands: application of the complexes in the fabrication of Schottky devices. <i>CrystEngComm</i> , 2023, 25, 1006-1017.	2.5	7
93	Mater Bonds in Technetium Compounds: CSD Survey and Theoretical Considerations. <i>Crystals</i> , 2023, 13, 187.	2.3	13
94	Combined effects of the lewis acidity and electric field of proximal redox innocent metal ions on the redox potential of vanadyl Schiff base complexes: an experimental and theoretical study. <i>Dalton Transactions</i> , 2023, 52, 3097-3110.	3.2	5
95	Supramolecular Assemblies in Pyridine- and Pyrazole-Based Coordination Compounds of Co(II) and Ni(II): Characterization, Hirshfeld Analysis and Theoretical Studies. <i>Crystals</i> , 2023, 13, 203.	2.3	5
96	Influence of non-covalent interactions on the coordination geometry of Ni(II) in Ni(II)â€“M(II) complexes (M = Zn and Hg) with a salen-type N ₂ O ₂ Schiff base ligand and thiocyanate ion as the coligand. <i>CrystEngComm</i> , 2023, 25, 1393-1402.	2.5	4
97	The importance of spodium bonds, H-bonds and ð€-stacking interactions in the solid state structures of four zinc complexes with tetradentate secondary diamine ligands. <i>New Journal of Chemistry</i> , 2023, 47, 9346-9363.	2.5	13
98	Combined experimental and theoretical studies of conformationally diverse (thio)semicarbazone-based semiconducting materials. <i>CrystEngComm</i> , 2023, 25, 2133-2143.	2.5	10
99	Selective and efficient detection of Pb ²⁺ in aqueous solution by lanthanoid-organic frameworks bearing pyridine-3,4-dicarboxylic acid and glutaric acid. <i>CrystEngComm</i> , 2023, 25, 2418-2440.	2.5	4
100	Group-10 ð€-holeâ€“d _{z²} [M ^{II}] interactions: a theoretical study of model systems inspired by CSD structures. <i>Dalton Transactions</i> , 2023, 52, 5056-5064.	3.2	4
101	Cooperativity effects in a new pterostilbene/phenanthroline cocrystal. <i>Journal of Molecular Structure</i> , 2023, 1282, 135227.	4.1	1
102	Experimental and Theoretical Study of Tetrel Bonding and Noncovalent Interactions in Hemidirected Lead(II) Phosphorodithioates: An Implication on Crystal Engineering. <i>Crystal Growth and Design</i> , 2023, 23, 2138-2154.	3.5	7
103	Geminal Charge-Assisted Tetrel Bonds in Bis-Pyridinium Methylene Salts. <i>Crystal Growth and Design</i> , 2023, 23, 1898-1902.	3.5	7
104	Square Planar Pt(II) Ion as Electron Donor in Pnictogen Bonding Interactions. <i>Inorganics</i> , 2023, 11, 80.	2.8	5
105	Halogen Bondâ€“Involving Supramolecular Assembly Utilizing Carbon as a Nucleophilic Partner of ð€...â€“...C Nonâ€“covalent Interaction. <i>Chemistry - an Asian Journal</i> , 2023, 18, .	3.1	10
106	Unconventional Dual Donor-Acceptor Topologies of Aromatic Rings in Amine-Based Polymeric Tetrahedral Zn(II) Compounds Involving Unusual Non-Covalent Contacts: Antiproliferative Evaluation and Theoretical Studies. <i>Crystals</i> , 2023, 13, 382.	2.3	5
107	Rational Coformer Selection in the Development of 6-Propyl-2-thiouracil Pharmaceutical Cocrystals. <i>Pharmaceuticals</i> , 2023, 16, 370.	4.4	0
108	Synthesis, X-ray characterization and DFT calculations of a series of 3-substituted 4,5-dichloroisothiazoles. <i>CrystEngComm</i> , 2023, 25, 1976-1985.	2.5	0

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109	Substituent Effects in Tetrel Bonds Involving Aromatic Silane Derivatives: An ab initio Study. <i>Molecules</i> , 2023, 28, 2385.	4.4	0
110	Cocrystallization of Antifungal Compounds Mediated by Halogen Bonding. <i>Crystal Growth and Design</i> , 2023, 23, 2932-2940.	3.5	7
111	Novel Chalcogen Bond Donors Derived from [3+2] Cycloaddition Reaction between 2-Pyridylselenyl Reagents and Isocyanates: Synthesis, Structures and Theoretical Studies. <i>Crystal Growth and Design</i> , 2023, 23, 2018-2023.	3.5	6
112	A Comprehensive Ab Initio Study of Halogenated A \cdot A \cdot U and G \cdot A \cdot A \cdot C Base Pair Geometries and Energies. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5530.	4.5	4
113	The Origin of Anion \cdot Autocatalysis. <i>Jacs Au</i> , 2023, 3, 1039-1051.	8.2	12
114	Cooperative Ternary Assemblies Involving Anion \cdot /Anion \cdot Assemblies and Unconventional Cl \cdot Cl Interactions in Cu(II) Coordination Compounds: Experimental and Theoretical Studies. <i>Crystals</i> , 2023, 13, 517.	2.3	4
115	Benzothieniodolium Cations Doubly Bonded to Anions via Halogen \cdot Chalcogen and Halogen \cdot Hydrogen Supramolecular Synthons. <i>Crystal Growth and Design</i> , 2023, 23, 2661-2674.	3.5	8
116	Noncovalent Chelation by Halogen Bonding in the Design of Metal-Containing Arrays: Assembly of Double \cdot -Hole Donating Halolium with Cu ^I -Containing O,O-Donors. <i>Inorganic Chemistry</i> , 2023, 62, 6128-6137.	4.6	18
117	Tetrel bonds involving a CF ₃ group participate in protein \cdot drug recognition: a combined crystallographic and computational study. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 12409-12419.	2.8	9
118	Regium \cdot Bonds Involving Nucleobases: Theoretical Study and Biological Implications. <i>Inorganic Chemistry</i> , 2023, 62, 6740-6750.	4.6	7
119	Crystallographic Aspects, Photophysical Properties, and Theoretical Survey of Tetrachlorometallates of Group 12 Metals [Zn(II), Cd(II), and Hg(II)] with a Triply Protonated 2,4,6-Tris(2-pyridyl)-1,3,5-triazine Ligand. <i>Inorganic Chemistry</i> , 2023, 62, 7220-7234.	4.6	6
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236	Stacking Interactions: A Supramolecular Approach to Upgrade Weak Halogen Bond Donors. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.5	12
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247	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. <i>Journal of Molecular Structure</i> , 2021, 1224, 129029.	4.1	19
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