

NCIPLOT: A Program for Plotting Noncovalent Interact

Journal of Chemical Theory and Computation

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Citation Report

#	ARTICLE	IF	CITATIONS
39	On the dimerization of chlorophyll in photosystem II. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16022.	1.3	17
40	A Hirshfeld Partitioning of the MP2 Correlation Energy: Method and Its Application to the Benzene Dimers. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 2049-2058.	2.3	4
41	Chiral Sulfinamide/Achiral Sulfonic Acid Cocatalyzed Enantioselective Protonation of Enol Silanes. <i>Organic Letters</i> , 2011, 13, 4260-4263.	2.4	46
42	Analysis of Hydrogen-Bond Interaction Potentials from the Electron Density: Integration of Noncovalent Interaction Regions. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12983-12990.	1.1	339
43	A Potent Ruthenium(II) Antitumor Complex Bearing a Lipophilic Levonorgestrel Group. <i>Inorganic Chemistry</i> , 2011, 50, 9164-9171.	1.9	74
44	Intramolecular OH \cdots π interactions in alkenols and alkynols. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14183.	1.3	47
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47	Adsorption of Organic Molecules on Kaolinite from the Exchange-Hole Dipole Moment Dispersion Model. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 5124-5131.	2.3	50
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51	Density-Functional Errors in Alkanes: A Real-Space Perspective. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2676-2681.	2.3	16
52	Coupling Quantum Interpretative Techniques: Another Look at Chemical Mechanisms in Organic Reactions. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 3993-3997.	2.3	104
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76	Hemichelation, a Way To Stabilize Electron-Unsaturated Complexes: The Case of T-Shaped Pd and Pt Metallacycles.. <i>Journal of the American Chemical Society</i> , 2013, 135, 17839-17852.	6.6	28
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82	Structure-directed functional properties of symmetrical and unsymmetrical Br-substituted Schiff-bases. <i>Journal of Molecular Structure</i> , 2013, 1049, 377-385.	1.8	15
83	Intramolecular hydrogen bond C-H \cdots N in 1,1-divinyl-2,2-diimidazolyl according to the data of ab initio calculations and QTAIM analysis. <i>Journal of Structural Chemistry</i> , 2013, 54, 1029-1033.	0.3	4
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86	Bis(carbazolyl)ureas as Selective Receptors for the Recognition of Hydrogenpyrophosphate in Aqueous Media. <i>Journal of Organic Chemistry</i> , 2013, 78, 9725-9737.	1.7	29
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94	Benzophenone and DNA: Evidence for a Double Insertion Mode and Its Spectral Signature. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4119-4124.	2.1	42
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143	Mukaiyama Michael Reactions with <i>trans</i> -2,5-Diarylpiperidine Catalysts: Enantioselectivity Arises from Attractive Noncovalent Interactions, Not from Steric Hindrance. <i>Chemistry - A European Journal</i> , 2014, 20, 5983-5993.	1.7	48
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1104	Understanding and Quantifying London Dispersion Effects in Organometallic Complexes. <i>Accounts of Chemical Research</i> , 2019, 52, 258-266.	7.6	117
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1766	A combined experimental and theoretical analysis on the solid-state supramolecular assemblies of pentâ€2-ynol derivatives. <i>Journal of Molecular Structure</i> , 2021, 1243, 130813.	1.8	4
1767	A DFT and molecular dynamics simulation study of single-walled carbon nanotube as a drug delivery system for few model nitrogen mustard drugs. <i>Journal of Molecular Structure</i> , 2021, 1243, 130877.	1.8	3
1768	Benzoato bridged dinuclear Mn(II) and Cu(II) compounds involving guest chlorobenzoates and dimeric paddle wheel supramolecular assemblies: Antiproliferative evaluation and theoretical studies. <i>Polyhedron</i> , 2021, 208, 115409.	1.0	9
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1777	Supramolecular, spectroscopic and computational analysis of weak interactions in some thiosemicarbazones derived from 5-acetylbarbituric acid. <i>Journal of Molecular Structure</i> , 2021, 1245, 131031.	1.8	1
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1779	Binding of vanadium ions and complexes to proteins and enzymes in aqueous solution. <i>Coordination Chemistry Reviews</i> , 2021, 449, 214192.	9.5	40
1780	Metalloid Chalcogenâ€pnictogen $\hat{\Gamma}$ -hole bonding competition in stibanyl telluranes. <i>Journal of Organometallic Chemistry</i> , 2021, 954-955, 122092.	0.8	5
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1884	4-Nitrobenzyl 3,4-bis(acetyloxy)-2-(4-methoxyphenyl)pyrrolidine-1-carboxylate: crystal structure, Hirshfeld surface analysis and computational chemistry. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1080-1086.	0.2	3
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1889	Non-covalent interactions of cysteine onto C60, C59Si, and C59Ge: a DFT study. <i>Journal of Molecular Modeling</i> , 2021, 27, 330.	0.8	20
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1907	Charge Assisted Hydrogen Bonded Assemblies and Unconventional O π - π -O Dichalcogen Bonding Interactions in Pyrazole-Based Isostructural Ni(II) and Mn(II) Compounds involving Anthraquinone Disulfonate: Antiproliferative Evaluation and Theoretical Studies. Journal of Molecular Structure, 2021, 1250, 131883.	1.8	6
1908	Novel microporous B6N6 covalent organic framework (COF) as an electrochemical sensor for the ultra-selective detection of nitroaniline isomers; a DFT outcome. Surfaces and Interfaces, 2021, 27, 101587.	1.5	14
1909	A Data-Driven Approach to the Development and Understanding of Chiroptical Sensors for Alcohols with Remote β -Stereocenters. Journal of the American Chemical Society, 2021, 143, 19187-19198.	6.6	12
1910	Complementary amide-based donor-acceptor with unique nano-scale aggregation, fluorescence, and band gap-lowering properties: a WORM memory device. Nanotechnology, 2021, 32, 025208.	1.3	7
1911	Crystalline assembly of perylene in metal-organic framework thin film: J-aggregate or excimer? Insight into the electronic structure. Journal of Physics Condensed Matter, 2021, 33, 034001.	0.7	1
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1914	Die gr ^Ä Äbenbeschleunigte kinetische Racematspaltung sekund ^Ä rer Alkohole. <i>Angewandte Chemie</i> , 2021, 133, 786-791.	1.6	4
1915	Study of Donor ^Ä Acceptor Bonds on the N ^Ä Coordinated Sn/Pb(II) Atoms in peri ^Ä Substituted Naphthalenes: Evidence of Pb ^Ä B Interaction. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3644-3653.	1.0	7
1916	Insights into conformational changes in AlkD bound to DNA with a yatakemycin adduct from computational simulations. <i>Theoretical Chemistry Accounts</i> , 2018, 137, .	0.5	0
1917	Towards a predictive model for polymer solubility using the noncovalent interaction index: polyethylene as a case study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25374-25387.	1.3	6
1918	Tyrosine-based photoluminescent diketopiperazine supramolecular aggregates. <i>Soft Matter</i> , 2021, 18, 137-145.	1.2	2
1919	Luminescent 2-phenylbenzothiazole cyclometalated Pt ^{II} and Ir ^{III} complexes with chelating P ^O ligands. <i>Dalton Transactions</i> , 2021, 51, 274-285.	1.6	7
1920	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
1921	Covalent triazine framework (CTF-0) surface as a smart sensing material for the detection of CWAs and industrial pollutants. <i>Materials Science in Semiconductor Processing</i> , 2022, 139, 106334.	1.9	21
1922	Computational Study of Mechanism and Enantioselectivity of Imine Reductase from <i>Amycolatopsis orientalis</i> . <i>ChemistryOpen</i> , 2022, 11, e202100250.	0.9	7
1923	Theoretical Aspects of Nonconventional Hydrogen Bonds in the Complexes of Aldehydes and Hydrogen Chalcogenides. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10291-10302.	1.1	2
1924	London Dispersion Helps Refine Steric A-Values: Dispersion Energy Donor Scales. <i>Journal of the American Chemical Society</i> , 2021, 143, 20837-20848.	6.6	35
1925	To be or not to be? that is the entropic, enthalpic, and molecular interaction dilemma in the ^Ä formation of (water) ₂₀ clusters and methane clathrate. <i>ChemPhysChem</i> , 2021, , .	1.0	4
1926	Synthesis, Structures, and Properties of Helically Fused Anthraquinones with Unusually Close Carbonyl ^Ä Carbonyl Contacts. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	3
1927	The influence of secondary interactions on the [Ni(O ₂)] ⁺ mediated aldehyde oxidation reactions. <i>Journal of Inorganic Biochemistry</i> , 2021, 227, 111668.	1.5	2
1928	Ï ^Ä Hole Interactions of Tetrahedral Group IV ^Ä VIII Lewis Acid Centers with Lewis Bases: A Comparative Study. <i>ChemistrySelect</i> , 2021, 6, 11856-11864.	0.7	5
1929	Revealing the Structure and Noncovalent Interactions of Isolated Molecules by Laser-Desorption/Ionization-Loss Stimulated Raman Spectroscopy and Quantum Calculations. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11273-11279.	2.1	3
1930	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

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1933	Cluster Assembled Silicon-Lithium Nanostructures: A Nanowire Confined Inside a Carbon Nanotube. <i>Frontiers in Chemistry</i> , 2021, 9, 767421.	1.8	1
1934	Helium nanodroplet infrared spectroscopy of oxazole-(water) _n (n = 1,2) clusters. <i>AIP Advances</i> , 2021, 11, 115112.	0.6	0
1935	Novel and Polynuclear K- and Na-Based Superalkali Hydroxides as Superbases Better Than Li-Related Species and Their Enhanced Properties: An Ab Initio Exploration. <i>ACS Omega</i> , 2021, 6, 31077-31092.	1.6	9
1936	Spectroscopic/Computational Characterization and the X-ray Structure of the Adduct of the V ^{IV} -O ²⁻ -Picolinato Complex with RNase A. <i>Inorganic Chemistry</i> , 2021, 60, 19098-19109.	1.9	12
1937	Interactions of Urea-Based Inhibitors with Prostate-Specific Membrane Antigen for Boron Neutron Capture Therapy. <i>ACS Omega</i> , 2021, 6, 33354-33369.	1.6	2
1938	Aza-Diels-Alder Reaction of Danishefsky's Diene with Imine Catalyzed by N-Heterocyclic Imidazole Halogen Bond Donors. <i>ChemistrySelect</i> , 2021, 6, 12843-12851.	0.7	6
1939	Janusene as a Silver Ion Scavenger: Insights from Computation. <i>New Journal of Chemistry</i> , 0, , .	1.4	1
1940	Computational insights into metal-catalyzed asymmetric hydrogenation. <i>Advances in Catalysis</i> , 2021, 68, 385-426.	0.1	1
1941	Supramolecular Approach to Tuning the Photophysical Properties of Quadrupolar Squaraines. <i>Frontiers in Chemistry</i> , 2021, 9, 800541.	1.8	1
1942	Theoretical reconsideration of the mechanism of the excited state proton transfer of indigo carmine in water. <i>Journal of Molecular Liquids</i> , 2022, 347, 118365.	2.3	15
1943	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
1944	Chemical bonding, magnetic and electronic properties, mechanical and dynamical stabilities of DyOs ₄ P ₁₂ filled-skutterudite: DFT and QTAIM insight. <i>Materials Chemistry and Physics</i> , 2022, 278, 125684.	2.0	1
1945	Kinetics and molecular mechanism of the Schonberg rearrangement. <i>Computational and Theoretical Chemistry</i> , 2022, 1208, 113585.	1.1	1
1946	Study of the alkyl-π interaction between methane and few substituted pyrimidine systems using DFT, AIM and NBO calculations. <i>Computational and Theoretical Chemistry</i> , 2022, 1208, 113560.	1.1	6
1947	Measurement of Donor-Acceptor Interchange Tunnelling in Ar(H ₂ O) ₂ using Rotational Spectroscopy and a Re-look at Its Structure and Bonding. <i>Journal of Molecular Structure</i> , 2022, 1252, 132094.	1.8	1
1948	DFT study of 2D graphitic carbon nitride based preferential targeted delivery of levosimendan, a cardiovascular drug. <i>Computational and Theoretical Chemistry</i> , 2022, 1209, 113584.	1.1	6

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1950	Turning ON/OFF the fluorescence of the ESIPT state by changing the hydrogen bond distance and orientation in quinoline-pyrazole derivatives. <i>Journal of Molecular Structure</i> , 2022, 1252, 132146.	1.8	9
1951	Intermolecular (Isocyano group)-PtII interactions involving coordinated isocyanides in cyclometalated PtII complexes. <i>Journal of Molecular Structure</i> , 2022, 1253, 132230.	1.8	9
1952	Solvothermal synthesis and crystal structures of two Holmium(III)-5-Hydroxyisophthalate entangled coordination polymers and theoretical studies on the importance of π - π stacking interactions. <i>Journal of Molecular Structure</i> , 2022, 1254, 132329.	1.8	10
1953	Adsorption of Sorbitan Ester Surfactant on Copper and Copper Oxidized Surfaces: A Density Functional Theory Study. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1954	Origin of Ligand Effects on Stereoconversion in Pd-Catalyzed Synthesis of Tetrasubstituted Olefins. <i>Journal of Organic Chemistry</i> , 2021, 86, 18128-18138.	1.7	11
1955	Multicomponent Solids of DL-2-Hydroxy-2-phenylacetic Acid and Pyridinecarboxamides. <i>Crystals</i> , 2022, 12, 142.	1.0	4
1956	Structural design and physicochemical specifications exploring of the new di-cationic ionic liquids (D-ILs) composed of para-xylyl linked N-Methylimidazolium cation and various anions: a full M06-2X computational study. <i>Theoretical Chemistry Accounts</i> , 2022, 141, 1.	0.5	10
1957	Investigation of the adsorption properties of gemcitabine anticancer drug with metal-doped boron nitride fullerenes as a drug-delivery carrier: a DFT study. <i>RSC Advances</i> , 2022, 12, 2873-2887.	1.7	31
1958	Porphyrin-Based COF 2D Materials: Variable Modification of Sensing Performances by Post-Metallization. <i>Angewandte Chemie</i> , 0, , .	1.6	13
1959	Unveiling the synthesis of spirocyclic, tricyclic, and bicyclic triazolooxazines from intramolecular [3 + 2] azide-alkyne cycloadditions with a molecular electron density theory perspective. <i>Structural Chemistry</i> , 2022, 33, 555-570.	1.0	6
1960	Large interaction energy for the homodimer and the heterodimer extracted from the supramolecular chain of a bent trinuclear zinc complex with a reduced Schiff base ligand. <i>New Journal of Chemistry</i> , 2022, 46, 1845-1856.	1.4	2
1961	A molecular electron density theory study of the higher-order cycloaddition reactions of tropone with electron-rich ethylenes. The role of the Lewis acid catalyst in the mechanism and pseudocyclic selectivity. <i>New Journal of Chemistry</i> , 2021, 46, 294-308.	1.4	4
1962	Dramatic differences in the conformational equilibria of chalcogen-bridged compounds: the case of diallyl ether versus diallyl sulfide. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 240-248.	1.3	3
1963	A radical approach to radicals. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 43-51.	1.1	0
1964	Importance of water and intramolecular interaction governs substantial blue shift of Csp ² -H stretching frequency in complexes between chalcogenoaldehydes and water. <i>RSC Advances</i> , 2022, 12, 1998-2008.	1.7	2
1965	Recent advances on the tetrel bonding interaction in the solid state structure of lead complexes with hydrazine based bis-pyridine Schiff base ligands. <i>Polyhedron</i> , 2022, 216, 115670.	1.0	11
1966	Evaluation of the mechanism, regio-, and diastereoselectivity of aza-Diels-Alder reactions of 2H-azirine under a Lewis acid catalyst. <i>Structural Chemistry</i> , 2022, 33, 445.	1.0	0

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1968	Heteroleptic Pd(II) and Pt(II) Complexes with Redox-Active Ligands: Synthesis, Structure, and Multimodal Anticancer Mechanism. <i>Inorganic Chemistry</i> , 2022, 61, 2105-2118.	1.9	26
1969	The mechanism and origin of selectivities for NHC-catalyzed synthesis of axially chiral benzothiophene/benzofuran-fused biaryls. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1662-1670.	1.5	11
1970	A computational study of competing conformational selection and induced fit in an abiotic system. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 507-511.	1.3	1
1971	Interactions between typical functional groups of soil organic matter and mica (001) surface: A DFT study. <i>Applied Clay Science</i> , 2022, 216, 106374.	2.6	2
1972	Asymmetric synthesis of <i>N</i> -axially chiral compounds via organocatalytic atroposelective <i>N</i> -acylation. <i>Chemical Science</i> , 2021, 13, 141-148.	3.7	53
1973	Experimental and computational evidence for stabilising parallel, offset [C(=O)N(H)N(=C)] ⁺ (phenyl) interactions in acetohydrazide derivatives. <i>CrystEngComm</i> , 2022, 24, 962-974.	1.3	0
1974	The Effect of Single-Atom Substitution on Structure and Band Gap in Organic Semiconductors. <i>Crystal Growth and Design</i> , 2022, 22, 1237-1243.	1.4	5
1975	Oxalic Acid, a Versatile Coformer for Multicomponent Forms with 9-Ethyladenine. <i>Crystals</i> , 2022, 12, 89.	1.0	3
1976	Halogen Bonding in Haspin-Halogenated Tubercidin Complexes: Molecular Dynamics and Quantum Chemical Calculations. <i>Molecules</i> , 2022, 27, 706.	1.7	2
1977	The effects of solvent nature and steric hindrance on the reactivity, mechanism and selectivity of the cationic imino-Diels-Alder cycloaddition reaction between cationic 2-azadienes and arylpropene. <i>Journal of Physical Organic Chemistry</i> , 0, .	0.9	4
1978	Steric Hindrance Favors <i>η</i> ² Dimerization over <i>η</i> ¹ Dimerization for Julolidine Dicyanomethyl Radicals. <i>Journal of Organic Chemistry</i> , 2022, 87, 1507-1511.	1.7	8
1979	Bifunctional Iminophosphorane-Catalyzed Enantioselective Sulfa-Michael Addition to Unactivated <i>α,β</i> -Unsaturated Amides. <i>Journal of the American Chemical Society</i> , 2022, 144, 1006-1015.	6.6	24
1980	Porphyrim-Based COF 2D Materials: Variable Modification of Sensing Performances by Post-Metallization. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	63
1981	Computer simulation applied to structural analysis and experimental applications of natural deep eutectic solvents. , 2022, , 281-297.		1
1982	Boosting Gold(I) Catalysis via Weak Interactions: New Fine-Tunable Impy Ligands. <i>ACS Organic & Inorganic Au</i> , 2022, 2, 229-235.	1.9	6
1983	Exploring the effect of nitrile substituent position on fluorescence quantum yield of ESIPT-based oxazoline derivatives: A TDDFT investigation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120953.	2.0	15
1984	Molecular insights into chirality transfer from double axially chiral phosphoric acid in a synergistic enantioselective intramolecular amination. <i>Chemical Science</i> , 2022, 13, 1323-1334.	3.7	6

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1986	A Theoretical Evaluation of the Behavior of Nitrosoamidine upon Reacting with Methoxy Butadiene, as Potential Heterodiene or Heterodienophile. <i>Letters in Organic Chemistry</i> , 2022, 19, .	0.2	0
1987	Syntheses, crystal structures and supramolecular assemblies of two Cu(^{II}) complexes based on a new heterocyclic ligand: insights into Câ€“Hâ€“Cl and Î€â€“Î€ interactions. <i>CrystEngComm</i> , 2022, 24, 1598-1611.	1.3	17
1988	Enantioselective Pdâ€“catalyzed allylic substitution using phosphiteâ€“oxazoline PHOXâ€“based ligands containing a methylene linker. <i>European Journal of Inorganic Chemistry</i> , 0, , .	1.0	2
1989	Chalcogenâ€“Chalcogen Bonding in Molybdenum Disulfide, Molybdenum Diselenide and Molybdenum Ditelluride Dimers as Prototypes for a Basic Understanding of the Local Interfacial Chemical Bonding Environment in 2D Layered Transition Metal Dichalcogenides. <i>Inorganics</i> , 2022, 10, 11.	1.2	8
1990	Chiral <i>N</i> -triflylphosphoramidate-catalyzed asymmetric hydroamination of unactivated alkenes: a hetero-ene reaction mechanism. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1649-1661.	2.3	4
1991	Unraveling the mechanism and substituent effects on the N-heterocyclic carbene-catalyzed transformation reaction of enals and imines. <i>Molecular Catalysis</i> , 2022, 519, 112122.	1.0	8
1992	Spodium and tetrel bonds involving Zn(II)/Cd(II) and their interplay. <i>Chemical Physics</i> , 2022, 556, 111470.	0.9	6
1993	Theoretical investigation on the cycloaddition catalyzed by rhodium silylenoid to construct silicon-containing rings. <i>Molecular Catalysis</i> , 2022, 519, 112138.	1.0	1
1994	Independent gradient model based on Hirshfeld partition: A new method for visual study of interactions in chemical systems. <i>Journal of Computational Chemistry</i> , 2022, 43, 539-555.	1.5	794
1995	Steric paths in confined hydrogen molecule inside carbon nanorings and fullerenes. <i>Computational and Theoretical Chemistry</i> , 2022, 1209, 113590.	1.1	0
1996	Water binding to the atmospheric oxidation product methyl vinyl ketone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120846.	2.0	2
1997	Synthesis and characterization of Zinc(II) complex with ONO donor type new phenylpropanehydrazide based ligand: Crystal structure, Hirshfeld surface analysis, DFT, energy frameworks and molecular docking. <i>Journal of Molecular Structure</i> , 2022, 1255, 132429.	1.8	5
1998	Superalkali (Li2F, Li3F) doped Al12N12 electrides with enhanced static, dynamic nonlinear optical responses and refractive indices. <i>Materials Science in Semiconductor Processing</i> , 2022, 143, 106518.	1.9	23
1999	Computational discoveries of reaction mechanisms: recent highlights and emerging challenges. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2028-2042.	1.5	4
2000	Exploring Supramolecular Assembly Space of Cationic 1,2,4-Selenodiazoles: Effect of the Substituent at the Carbon Atom and Anions. <i>Molecules</i> , 2022, 27, 1029.	1.7	15
2001	Weak intermolecular interactions of cysteine on BNNT, BNAINT and BC2NNT: a DFT investigation. <i>Bulletin of Materials Science</i> , 2022, 45, 1.	0.8	29
2002	Phosphorescent Complexes of {Mo ₆ I ₈ } ⁴⁺ and {W ₆ I ₈ } ⁴⁺ with Perfluorinated Aryl Thiolates featuring Unusual Molecular Structures. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	7

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2003	Alkynyl Sulfonium Salts Can Be Employed as Chalcogen-Bonding Catalysts and Generate Alkynyl Radicals under Blue-Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	36
2004	π-π Stacking Interaction of Metal Phenoxyl Radical Complexes. <i>Molecules</i> , 2022, 27, 1135.	1.7	4
2005	New Cd(II) complex derived from (1-methylimidazol-2-yl) methanol: Synthesis, crystal structure, spectroscopic study, DFT and TD-DFT calculations, antimicrobial activity and free-radical scavenging capacity. <i>Journal of Molecular Structure</i> , 2022, 1257, 132583.	1.8	3
2006	Alkynyl Sulfonium Salts Can Be Employed as Chalcogen-Bonding Catalysts and Generate Alkynyl Radicals under Blue-Light Irradiation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	8
2007	Theoretical and experimental investigation of a pyrazole derivative- solvation effects, reactivity analysis and MD simulations. <i>Chemical Physics Letters</i> , 2022, 793, 139469.	1.2	7
2008	Extended β -Strands Contribute to Reversible Amyloid Formation. <i>ACS Nano</i> , 2022, 16, 2154-2163.	7.3	14
2009	Quantum Chemical Studies of Lewis-Acid Catalyzed Organic Chemical Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2022, 80, 115-125.	0.0	0
2010	Subsistence of diverse interactions of some biologically important molecules in aqueous ionic liquid solutions at various temperatures by experimental and theoretical investigation. <i>Journal of Molecular Structure</i> , 2022, 1257, 132571.	1.8	11
2011	2-Pyridylselenenyl versus 2-Pyridyltellurenyl Halides: Symmetrical Chalcogen Bonding in the Solid State and Reactivity towards Nitriles. <i>Symmetry</i> , 2021, 13, 2350.	1.1	14
2012	Intramolecular hydrogen transfer in DNA induced by site-selective resonant core excitation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7815-7825.	1.3	2
2013	Enhancing chalcogen bonding by metal coordination. <i>Dalton Transactions</i> , 2022, , .	1.6	9
2014	Unveiling the intramolecular [3 + 2] cycloaddition reactions of $C=N$ -disubstituted nitrones from the molecular electron density theory perspective. <i>New Journal of Chemistry</i> , 2022, 46, 7721-7733.	1.4	9
2015	Experimental and theoretical insights into the formation of weak hydrogen bonds and $H\cdots H$ bonding interactions in the solid-state structure of two eucalyptol derivatives. <i>New Journal of Chemistry</i> , 2022, 46, 5690-5704.	1.4	3
2016	Design of selective divalent chain transfer agents for coordinative chain transfer polymerization of ethylene and its copolymerization with butadiene. <i>Polymer Chemistry</i> , 2022, 13, 1970-1977.	1.9	11
2017	Insight into the Cation-Regulated Mechanism For the Hydration of Propargyl Alcohols Catalyzed by $[Bu_4p^+][Im^-]$. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2018	The influence of l -aspartic acid on calcium carbonate nucleation and growth revealed by <i>in situ</i> liquid phase TEM. <i>CrystEngComm</i> , 2022, 24, 2602-2614.	1.3	8
2019	Metallophilic interactions in silver(i) dicyanoaurate complexes. <i>Dalton Transactions</i> , 2022, , .	1.6	1
2020	Do 2-coordinate iodine(i) and silver(i) complexes form nucleophilic iodonium interactions (NIs) in solution?. <i>Chemical Communications</i> , 2022, 58, 4977-4980.	2.2	9

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2022	Torsional chirality and molecular recognition: the homo and heterochiral dimers of thenyl and furfuryl alcohol. Physical Chemistry Chemical Physics, 2022, 24, 8999-9006.	1.3	4
2023	Cycloaddition of isoselenocyanates to sodium and magnesium metallacycles. Dalton Transactions, 2022, 51, 4113-4121.	1.6	10
2024	Structural topologies involving energetically significant antiparallel π -stacking and unconventional N(nitrile) \cdots π (fumarate) contacts in dinuclear Zn(\langle scp \rangle ii \langle /scp \rangle) and polymeric Mn(\langle scp \rangle ii \langle /scp \rangle) compounds: antiproliferative evaluation and theoretical studies. New Journal of Chemistry, 2022, 46, 5296-5311.	1.4	7
2025	Synthesis, spectroscopic findings and crystal engineering of Pb(\langle scp \rangle ii \langle /scp \rangle) $\hat{=}$ Salen coordination polymers, and supramolecular architectures engineered by π -hole/spodium/tetrel bonds: a combined experimental and theoretical investigation. RSC Advances, 2022, 12, 6352-6363.	1.7	25
2026	Combined crystallographic and computational investigation of the solvent disorder present in a new tipiracil hydrochloride methanol solvate $\hat{=}$ hydrate. CrystEngComm, 0, , .	1.3	1
2027	Mechanistic exploration of CO ₂ conversion to dimethoxymethane (DMM) using transition metal (Co, Ru) catalysts: an energy span model. Physical Chemistry Chemical Physics, 2022, 24, 8387-8397.	1.3	9
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2691	Exploring the influence of graphene on antiaromaticity of pentalene. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 26986-26990.	1.3	0
2732	Half-substituted fluorocycloparaphenylenes with high symmetry: Synthesis, properties and derivatization to densely substituted carbon nanorings. <i>Chemical Communications</i> , 0, , .	2.2	1