Deepak Chopra

List of Publications by Year in descending order

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224 papers	4,165 citations	134610 34 h-index	182931 54 g-index
231 all docs	231 docs citations	231 times ranked	4458 citing authors

#	Article	IF	Citations
1	Organocatalytic Asymmetric Synthesis of Cyclic Acetals with Spirooxindole Skeleton. Advanced Synthesis and Catalysis, 2022, 364, 58-63.	2.1	9
2	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.	1.3	27
3	Structural investigation and Hirshfeld surface analysis of two polymorphs of 2-(4-Methylbenzamido)-5-(4-fluoro-3-phenoxyphenyl)-1,3,4-thiadiazoles. Journal of the Indian Chemical Society, 2022, 99, 100374.	1.3	0
4	Tracing shape memory effect and elastic bending in a conformationally flexible organic salt. Journal of Materials Chemistry C, 2022, 10, 4257-4267.	2.7	12
5	Investigation of crystal structures, energetics and isostructurality in halogen-substituted phosphoramidates. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2022, 78, 179-194.	0.5	1
6	Diverse Mechanical Properties of 1,3-Bis(4-nitrophenyl) thioureaâ€“DMSO Dimorphic Solvates. Crystal Growth and Design, 2022, 22, 2058-2065.	1.4	9
7	1,2,3-Triazolyl-tetrahydropyrimidine Conjugates as Potential Sterol Carrier Protein-2 Inhibitors: Larvicidal Activity against the Malaria Vector Anopheles arabiensis and In Silico Molecular Docking Study. Molecules, 2022, 27, 2676.	1.7	5
8	Tetravalent Spiroselenurane Catalysts: Intramolecular SeÂ·Â·Â·N Chalcogen Bond-Driven Catalytic Disproportionation of H₂O₂ to H₂O and O₂ and Activation of I₂ and NBS. Inorganic Chemistry, 2022, 61, 8729-8745.	1.9	14
9	Poling-Polarization-Mediated Centrosymmetric Charge-Transfer Organic-Cocrystal-Based Flexible Triboelectric Nanogenerator. ACS Applied Electronic Materials, 2022, 4, 3665-3678.	2.0	1
10	Investigation of intermolecular interactions in fluoro/trifluoromethyl derivatives of benzoylferrocene. Journal of Molecular Structure, 2021, 1224, 129045.	1.8	1
11	Synthesis, characterization and larvicidal activity of novel benzylidene derivatives of fenobam and its thio analogues with crystal insight. Journal of Molecular Structure, 2021, 1226, 129386.	1.8	2
12	Understanding the molecular origin of solid-state emitting PMI realized via the detection of hazardous organic peroxides. Journal of Materials Chemistry C, 2021, 9, 1778-1785.	2.7	5
13	Delivering Arsenic-free Drinking Water-Made Practically Possible: Continuous Scale Electrochemical Arsenic Remediation Process Furnished, based on Experimental Studies and ANN Simulation. Environment, Development and Sustainability, 2021, 23, 13087-13112.	2.7	2
14	Strategic engineering of alkyl spacer length for a pH-tolerant lysosome marker and dual organelle localization. Chemical Science, 2021, 12, 9630-9644.	3.7	27
15	Potential and challenges of engineering mechanically flexible molecular crystals. CrystEngComm, 2021, 23, 5711-5730.	1.3	33
16	Structural investigation of N-[2-(4-fluoro-3-phenoxybenzoyl)hydrazinecarbothioyl]benzamide and N-[2-(4-fluoro-3-phenoxybenzoyl)hydrazinecarbothioyl]-4-methoxybenzamide. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 277-281.	0.2	0
17	4-Aryl-1,4-Dihydropyridines as Potential Enoyl-Acyl Carrier Protein Reductase Inhibitors: Antitubercular Activity and Molecular Docking Study. Current Topics in Medicinal Chemistry, 2021, 21, 295-306.	1.0	8
18	Multicomponent Crystals of Chlorpropamide: Multiple Conformers, Multiple Zâ€², and Proton Transfer at Play. Crystal Growth and Design, 2021, 21, 3158-3167.	1.4	2

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19	Investigating the Role of Weak Interactions to Explore the Polymorphic Diversity in Difluorinated Isomeric N-Phenylcinnamamides. Crystal Growth and Design, 2021, 21, 4162-4177.	1.4	7
20	Synthesis, structural elucidation and larvicidal activity of novel arylhydrazones. Journal of Molecular Structure, 2021, 1236, 130305.	1.8	3
21	Interfacial Engineering of CuCo₂S₄/g-C₃N₄ Hybrid Nanorods for Efficient Oxygen Evolution Reaction. Inorganic Chemistry, 2021, 60, 12355-12366.	1.9	35
22	Interplay of Halogen and Hydrogen Bonding through Coâ€“Crystallization in Pharmacologically Active Dihydropyrimidines: Insights from Crystal Structure and Energy Framework. ChemPlusChem, 2021, 86, 1167-1176.	1.3	10
23	Structural Enhancement under X-ray Irradiation in an Octanuclear Uranium-Based 3D Metalâ€“Organic Framework. Crystal Growth and Design, 2021, 21, 5503-5507.	1.4	2
24	Anti-tubercular activity and molecular docking studies of indolizine derivatives targeting mycobacterial InhA enzyme. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1471-1486.	2.5	23
25	Probing Atomistic Behavior To Unravel Dielectric Phenomena in Charge Transfer Cocrystals. Journal of the American Chemical Society, 2021, 143, 1024-1037.	6.6	35
26	Assessing the impact on aqueous solubility of berberine chloride via co-crystallization with different stoichiometric ratios of pyromellitic dianhydride. Journal of Molecular Structure, 2020, 1200, 127086.	1.8	13
27	Unravelling the Importance of H bonds, Ïƒâ€“hole and Ï€â€“hole-Directed Intermolecular Interactions in Nature. Journal of the Indian Institute of Science, 2020, 100, 43-59.	0.9	8
28	Quantitative investigation on the intermolecular interactions present in 8-(4-ethoxyphenyl)-1,3-dimethyl-3,7-dihydro-1H-purine-2,6-dione with insight from interaction energies, energy framework, electrostatic potential map and fingerprint analysis. Journal of Chemical Sciences, 2020, 132, 1.	0.7	5
29	Unravelling the electronic nature of Câ€“Fâ‹¯Oâ€“C non-covalent interaction in proteins and small molecules in the solid state. Physical Chemistry Chemical Physics, 2020, 22, 25704-25711.	1.3	9
30	Quantitative Investigation of Weak Intermolecular Interactions of â^'F and â^'CF₃ Substituted in Situ Cryocrystallized Benzaldehydes. Crystal Growth and Design, 2020, 20, 7921-7933.	1.4	5
31	The mechanism of bending in a plastically flexible crystal. Chemical Communications, 2020, 56, 12841-12844.	2.2	47
32	Anti-Tubercular Properties of 4-Amino-5-(4-Fluoro-3- Phenoxyphenyl)-4H-1,2,4-Triazole-3-Thiol and Its Schiff Bases: Computational Input and Molecular Dynamics. Antibiotics, 2020, 9, 559.	1.5	23
33	Utilizing Co-Crystallization as a Tool to Unravel the Structural Diversity and Electronic Features of Î·Â·Â·S Halogen Bonded Interactions in Stoichiomorphic Co-Crystals. Crystal Growth and Design, 2020, 20, 6272-6282.	1.4	11
34	Probing the distinct nanomechanical behaviour of a new co-crystal and a known solvate of 5-fluoroisatin and identification of a new polymorph. CrystEngComm, 2020, 22, 2566-2572.	1.3	9
35	Larvicidal Activities of 2-Aryl-2,3-Dihydroquinazolin -4-ones against Malaria Vector Anopheles arabiensis, In Silico ADMET Prediction and Molecular Target Investigation. Molecules, 2020, 25, 1316.	1.7	16
36	Organocatalytic asymmetric addition of thioglycolates to o-quinone methides: a route to 5-substituted-5H-benzoxathiepine-2(3H)-ones. Organic and Biomolecular Chemistry, 2020, 18, 2828-2833.	1.5	4

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37	Crystallography, in Silico Studies, and In Vitro Antifungal Studies of 2,4,5 Trisubstituted 1,2,3-Triazole Analogues. Antibiotics, 2020, 9, 350.	1.5	13
38	Insights from electron density analysis into the charge transfer mechanism in a photoluminescent cocrystal of phenanthrene and tetrafluoro-1,4-benzoquinone. Journal of Molecular Structure, 2020, 1208, 127864.	1.8	2
39	Leadâ€Free, Waterâ€Stable A₃Bi₂I₉ Perovskites: Crystal Growth and Blueâ€Emitting Quantum Dots [A=CH₃NH₃⁺, Cs⁺, and (Rb_{0.05}Cs_{2.95})⁺]. Chemistry - A European Journal, 2020, 26, 10519-10527.	1.7	12
40	Structural investigation of methyl 3-(4-fluorobenzoyl)-7-methyl-2-phenylindolizine-1-carboxylate, an inhibitory drug towards Mycobacterium tuberculosis. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 567-571.	0.2	5
41	Role of lone pair-Ï€ interaction and halogen bonding in the crystal packing of 1,2,4-oxadiazole derivatives. Journal of Molecular Structure, 2019, 1197, 742-752.	1.8	3
42	Exploring concomitant/conformational dimorphism in a difluoro-substituted phosphoramidate derivative. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 451-461.	0.2	5
43	Computational, crystallographic studies, cytotoxicity and anti-tubercular activity of substituted 7-methoxy-indolizine analogues. PLoS ONE, 2019, 14, e0217270.	1.1	29
44	An Electronâ€Rich Helical Host for the Exclusive Removal of a Planar Electronâ€Deficient Organic Compound. Chemistry - A European Journal, 2019, 25, 10756-10762.	1.7	7
45	Evaluating the importance of fractional Zâ€² polymorphs in a trifluoromethylated N,Nâ€²-diphenyloxalamide derivative. CrystEngComm, 2019, 21, 1543-1547.	1.3	1
46	Tuning the solid-state emission by co-crystallization through Ïƒ- and Ï€-hole directed intermolecular interactions. CrystEngComm, 2019, 21, 1940-1947.	1.3	27
47	Anti-Tubercular Activity of Substituted 7-Methyl and 7-Formylindolizines and In Silico Study for Prospective Molecular Target Identification. Antibiotics, 2019, 8, 247.	1.5	32
48	Guest Solventâ€dependence of the Nanomechanical Response in Substituted Dihydropyrimidinone Crystals. Chemistry - an Asian Journal, 2019, 14, 607-611.	1.7	9
49	Dissecting the Conformational and Interaction Topological Landscape of N-ethynylphenylbenzamide by the Device of Polymorphic Diversity. Crystal Growth and Design, 2019, 19, 1072-1085.	1.4	5
50	Exploring the Relationship between Intermolecular Interactions and Solid-State Photophysical Properties of Organic Co-Crystals. Journal of Physical Chemistry C, 2019, 123, 9311-9322.	1.5	31
51	Crystal structure analysis of the biologically active drug molecule riluzole and riluzolium chloride. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1084-1089.	0.2	2
52	Synthesis and Structural Elucidation of Novel Benzothiazole Derivatives as Anti-tubercular Agents: In-silico Screening for Possible Target Identification. Medicinal Chemistry, 2019, 15, 311-326.	0.7	41
53	Observation of bending, cracking and jumping phenomena on cooling and heating of tetrahydrate berberine chloride crystals. CrystEngComm, 2018, 20, 2253-2257.	1.3	17
54	Characterization of electronic features of intermolecular interactions involving organic fluorine: Inputs from in situ cryo-crystallization studies on F and CF3 substituted anilines. Journal of Fluorine Chemistry, 2018, 211, 37-51.	0.9	11

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55	Assessing the Significance of Hexafluorobenzene as a Unique Guest Agent through Stacking Interactions in Substituted Ethynylphenyl Benzamides. Crystal Growth and Design, 2018, 18, 3027-3036.	1.4	20
56	Capturing the metastable state in the spontaneous and reversible single-crystal-to-single-crystal phase transition of riluzolium oxalate. CrystEngComm, 2018, 20, 2079-2083.	1.3	1
57	Observation of 3D isostructurality in halogen substituted N -benzoyl- N -phenylbenzamides. Journal of Molecular Structure, 2018, 1164, 280-288.	1.8	1
58	Quantitative investigation of intermolecular interactions in dimorphs of 3-Chloro-N-(2-fluorophenyl)benzamide and 2-Iodo-N-(4- bromophenyl)benzamide. Journal of Chemical Sciences, 2018, 130, 1.	0.7	2
59	Molecular modeling studies and anti-TB activity of trisubstituted indolizine analogues; molecular docking and dynamic inputs. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2163-2178.	2.0	43
60	Crystal Structure-Mechanical Property Correlations in N-(3-Ethynylphenyl)-3-fluorobenzamide Polymorphs. Crystal Growth and Design, 2018, 18, 47-51.	1.4	15
61	Observation of Rapid Desolvation of Hexafluorobenzene Involving Single-Crystal-to-Single-Crystal Phase Transition in a Nonporous Organic Host. Crystal Growth and Design, 2018, 18, 27-31.	1.4	8
62	Role of halogen-involved intermolecular interactions and existence of isostructurality in the crystal packing of â€"CF₃ and halogen (Cl or Br or I) substituted benzamides. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 574-591.	0.5	9
63	Diversity in Mechanical Response in Donorâ€"Acceptor Coupled Cocrystal Stoichiomorphs Based on Pyrene and 1,8-Dinitroanthraquinone Systems. Crystal Growth and Design, 2018, 18, 6670-6680.	1.4	28
64	Structural insights into salts and a salt polymorph of nitrogen containing small organic molecules. Journal of Molecular Structure, 2018, 1170, 141-150.	1.8	2
65	Characterization of the short Oî€Câ‹¯Oî€C Ï€-hole tetrel bond in the solid state. CrystEngComm, 2018, 20, 3308-3312.	1.3	22
66	Larvicidal study of tetrahydropyrimidine scaffolds against Anopheles arabiensis and structural insight by single crystal Xâ€ray studies. Chemical Biology and Drug Design, 2018, 92, 1924-1932.	1.5	13
67	Crystal structure analysis of [5-(4-methoxyphenyl)-2-methyl-2H-1,2,3-triazol-4-yl](thiophen-2-yl)methanone. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1178-1181.	0.2	8
68	Similarities and differences in the crystal packing of halogen-substituted indole derivatives. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 376-384.	0.5	3
69	Dispersion Stabilized Se/TeÂ·Â·Â·Ï€ Double Chalcogen Bonding Synthons in in Situ Cryocrystallized Divalent Organochalcogen Liquids. Crystal Growth and Design, 2018, 18, 3734-3739.	1.4	27
70	Exploring the simultaneous Ïƒ-hole/Ï€-hole bonding characteristics of a Br...Ï€ interaction in an ebselen derivative via experimental and theoretical electron-density analysis. IUCrJ, 2018, 5, 647-653.	1.0	19
71	Crystal packing analysis of in situ cryocrystallized 2,2,2-trifluoroacetophenone. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 607-612.	0.2	4
72	Synthesis and characterization of a novel series of 1,4â€dihydropyridine analogues for larvicidal activity against Anopheles arabiensis. Chemical Biology and Drug Design, 2017, 90, 397-405.	1.5	13

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73	Impact of the complementary electronic nature of Câ€“X and Mâ€“X halogens and intramolecular Xâ‹¯O interaction on supramolecular assemblies of Zn(<scp>ii</scp>) complexes of o-halophenyl substituted hydrazides. CrystEngComm, 2017, 19, 1607-1619.	1.3	13
74	Exploring Solid State Diversity and Solution Characteristics in a Fluorine-Containing Drug Riluzole. Crystal Growth and Design, 2017, 17, 1938-1946.	1.4	31
75	Quantitative Investigation of the Structural, Thermal, and Mechanical Properties of Polymorphs of a Fluorinated Amide. Chemistry - A European Journal, 2017, 23, 1023-1027.	1.7	17
76	Occurrence of 3D isostructurality in fluorinated phenyl benzamidines. CrystEngComm, 2017, 19, 47-63.	1.3	16
77	Complex electronic interplay of Ïƒ-hole and Ï€-hole interactions in crystals of halogen substituted 1,3,4-oxadiazol-2(3H)-thiones. CrystEngComm, 2017, 19, 3485-3498.	1.3	18
78	Characterization of fluorine-centred `F...O' Ïƒ-hole interactions in the solid state. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 140-152.	0.5	28
79	Synthesis, crystal structure and theoretical analysis of intermolecular interactions in two biologically active derivatives of 1,2,4-triazoles. Journal of Molecular Structure, 2017, 1134, 426-434.	1.8	10
80	Quantitative characterization of new supramolecular synthons involving fluorine atoms in the crystal structures of di- and tetrafluorinated benzamides. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 805-819.	0.5	5
81	Evaluation of the Role of Isostructurality in Fluorinated Phenyl Benzoates. Crystal Growth and Design, 2017, 17, 5117-5128.	1.4	15
82	Silicone Oil Induced Spontaneous Single-Crystal-to-Single-Crystal Phase Transitions in Ethynyl Substituted ortho- and meta-Fluorinated Benzamides. Crystal Growth and Design, 2017, 17, 4533-4540.	1.4	10
83	Quantitative investigation of Câ€“Hâ‹¯Ï€ and other intermolecular interactions in a series of crystalline N-(substituted phenyl)-2-naphthamide derivatives. CrystEngComm, 2017, 19, 5473-5491.	1.3	13
84	Investigation of Chemical Bonding in In Situ Cryocrystallized Organometallic Liquids. ChemPhysChem, 2017, 18, 2859-2863.	1.0	9
85	Quantitative analysis of solid-state diversity in trifluoromethylated phenylhydrazones. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 781-793.	0.5	5
86	Characterization of non-classical C Brâ‹¯Ï€ interactions in (E)-1,3-dibromo-5-(2-(ferrocenyl)vinyl)benzene and related derivatives of ferrocene. Journal of Molecular Structure, 2017, 1131, 16-24.	1.8	7
87	Cocrystals: A Review of Recent Trends in Pharmaceutical and Material Science Applications. Material Science Research India, 2017, 14, 09-18.	0.9	15
88	Design, synthesis, and characterization of (1-(4-aryl)-1H-1,2,3-triazol-4-yl)methyl, substituted phenyl-6-methyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates against Mycobacterium tuberculosis. Drug Design, Development and Therapy, 2016, Volume 10, 2681-2690.	2.0	39
89	Quantitative Investigation of Polymorphism in 3-(Trifluoromethyl)-N-[2-(trifluoromethyl)phenyl]benzamide. Crystal Growth and Design, 2016, 16, 2561-2572.	1.4	14
90	â€œConformational lockâ€•via unusual intramolecular Câ€“Fâ‹¯Oî€€ and Câ€“Hâ‹¯Clâ€“C parallel dipoles observed in in situ cryocrystallized liquids. Chemical Communications, 2016, 52, 7225-7228.	2.2	31

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91	â€œPnicogen bondsâ€•or â€œchalcogen bondsâ€• exploiting the effect of substitution on the formation of Pâ‹¯Se noncovalent bonds. Physical Chemistry Chemical Physics, 2016, 18, 13820-13829.	1.3	56
92	Experimental and computational analysis of supramolecular motifs involving C_{sp2}(aromatic)â€“F and CF₃groups in organic solids. New Journal of Chemistry, 2016, 40, 4981-5001.	1.4	36
93	Characterization of Nâ‹¯O non-covalent interactions involving Ïƒ-holes: â€œelectrostaticsâ€•or â€œdispersionâ€• Physical Chemistry Chemical Physics, 2016, 18, 29946-29954.	1.3	14
94	Understanding the effect of substitution on the formation of S. . .F chalcogen bond. Journal of Chemical Sciences, 2016, 128, 1589-1596.	0.7	12
95	Solvatomorphism in (Z)-4-fluoro-Nâ€²-(3-fluorophenyl)benzimidamide: the role of intermolecular Oâ€“Hâ‹¯F interaction. CrystEngComm, 2016, 18, 8291-8300.	1.3	4
96	Energy frameworks and a topological analysis of the supramolecular features in in situ cryocrystallized liquids: tuning the weak interaction landscape via fluorination. Physical Chemistry Chemical Physics, 2016, 18, 31811-31820.	1.3	48
97	Crystallographic and Theoretical Investigation on the Nature and Characteristics of Type I Câ•ßÂ·Â·Â·Sâ•C Interactions. Crystal Growth and Design, 2016, 16, 6734-6742.	1.4	22
98	Exploiting the Role of Molecular Electrostatic Potential, Deformation Density, Topology, and Energetics in the Characterization of SÂ·Â·Â·N and ClÂ·Â·Â·N Supramolecular Motifs in Crystalline Triazolothiadiazoles. Crystal Growth and Design, 2016, 16, 1371-1386.	1.4	68
99	â€˜Quasi-isostructural polymorphismâ€™ in molecular crystals: inputs from interaction hierarchy and energy frameworks. Chemical Communications, 2016, 52, 2141-2144.	2.2	44
100	Crystal structure landscape of conformationally flexible organo-fluorine compounds. CrystEngComm, 2016, 18, 48-53.	1.3	16
101	Understanding of Noncovalent Interactions Involving Organic Fluorine. Lecture Notes in Quantum Chemistry II, 2015, , 37-67.	0.3	38
102	Exploring the Role of Substitution on the Formation of SeÂ·Â·Â·O/N Noncovalent Bonds. Journal of Physical Chemistry B, 2015, 119, 14857-14870.	1.2	25
103	Crystallographic and computational investigation of intermolecular interactions involving organic fluorine with relevance to the hybridization of the carbon atom. CrystEngComm, 2015, 17, 3596-3609.	1.3	33
104	Nâ€“Hâ‹¯Ï€ induced configurational isomerism and the role of temperature in the Z to E isomerization of 2-fluoro-Nâ€²-(3-fluorophenyl)benzimidamide. CrystEngComm, 2015, 17, 5288-5298.	1.3	19
105	Experimental and computational insights into the nature of weak intermolecular interactions in trifluoromethyl-substituted isomeric crystalline N-methyl-N-phenylbenzamides. New Journal of Chemistry, 2015, 39, 8720-8738.	1.4	14
106	Experimental and Theoretical Characterization of Short H-Bonds with Organic Fluorine in Molecular Crystals. Crystal Growth and Design, 2014, 14, 3155-3168.	1.4	51
107	Revealing the Polarizability of Organic Fluorine in the Trifluoromethyl Group: Implications in Supramolecular Chemistry. Crystal Growth and Design, 2014, 14, 5366-5369.	1.4	64
108	Analysis of intermolecular interactions in 3-(4-fluoro-3-phenoxyphenyl)-1-((4-methylpiperazin-1-yl)methyl)-1H-1,2,4-triazole-5-thiol. Journal of Chemical Sciences, 2014, 126, 1337-1345.	0.7	5

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109	Design and synthesis of cyclic depsipeptides containing triazole (CDPT) rings. RSC Advances, 2014, 4, 10728.	1.7	7
110	Experimental and theoretical analysis of lpâ‹Ï€ intermolecular interactions in derivatives of 1,2,4-triazoles. CrystEngComm, 2014, 16, 1702-1713.	1.3	67
111	Polymorphism in two biologically active dihydropyrimidinium hydrochloride derivatives: quantitative inputs towards the energetics associated with crystal packing. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 681-696.	0.5	23
112	Computational Study of the Formation of Short Centrosymmetric Nâ€“HÂ·Â·Â·S Supramolecular Synthon and Related Weak Interactions in Crystalline 1,2,4-Triazoles. Crystal Growth and Design, 2014, 14, 5881-5896.	1.4	27
113	Quantitative Insights into the Crystal Structures of Nitro Derivatives of Ethyl (2E)-2-cyano-3-phenylprop-2-enoate: Inputs from X-Ray Diffraction, DFT Calculations and Hirshfeld Surface Analysis. Journal of Chemical Crystallography, 2014, 44, 450-458.	0.5	3
114	Quantitative Analysis of Intermolecular Interactions in 7-Hydroxy-4-methyl-2H-chromen-2-one and Its Hydrate. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2014, 84, 281-295.	0.8	6
115	Role of Polymorphism in Materials Science. Material Science Research India, 2014, 11, 43-50.	0.9	4
116	Quantitative insights into energy contributions of intermolecular interactions in fluorine and trifluoromethyl substituted isomeric N-phenylacetamides and N-methylbenzamides. CrystEngComm, 2013, 15, 3711.	1.3	43
117	Quantitative crystal structure analysis of 1,3,4-thiadiazole derivatives. CrystEngComm, 2013, 15, 4549.	1.3	49
118	Surprises in Crystal Chemistry of Sugars. Organic Process Research and Development, 2013, 17, 455-456.	1.3	1
119	Isoselenazolones as Catalysts for the Activation of Bromine: Bromolactonization of Alkenoic Acids and Oxidation of Alcohols. Journal of Organic Chemistry, 2012, 77, 9541-9552.	1.7	83
120	Evaluation of the role of disordered organic fluorine in crystal packing: insights from halogen substituted benzanilides. CrystEngComm, 2012, 14, 200-210.	1.3	41
121	Advances in Understanding of Chemical Bonding: Inputs from Experimental and Theoretical Charge Density Analysis. Journal of Physical Chemistry A, 2012, 116, 9791-9801.	1.1	43
122	Role of intermolecular interactions involving organic fluorine in trifluoromethylated benzanilides. CrystEngComm, 2012, 14, 1972.	1.3	57
123	Structural Investigation of Weak Intermolecular Interactions in Fluorine Substituted Isomeric N-Benzylideneanilines. Crystal Growth and Design, 2012, 12, 5096-5110.	1.4	76
124	Is Organic Fluorine Really â€œNotâ€•Polarizable?. Crystal Growth and Design, 2012, 12, 541-546.	1.4	129
125	Synthesis and an Evaluation of Molecular Conformation and Crystal Packing in Two Substituted 4-Phenylquinolines. Journal of Chemical Crystallography, 2012, 42, 583-587.	0.5	2
126	Role of Hetero-Halogen (FÂ·Â·Â·X, X = Cl, Br, and I) or Homo-Halogen (XÂ·Â·Â·X, X = F, Cl, Br, and I) Interactions in Substituted Benzanilides. Crystal Growth and Design, 2011, 11, 1578-1596.	1.4	103

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127	Role of organic fluorine in crystal engineering. CrystEngComm, 2011, 13, 2175.	1.3	289
128	Insights into conformational and packing features in a series of aryl substituted ethyl-6-methyl-4-phenyl-2-oxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. CrystEngComm, 2011, 13, 591-605.	1.3	23
129	Synthesis and characterization of metal substituted AlxCr1â^'x(acetylacetonate)3 single-source precursors for their application to MOCVD of thin films. Polyhedron, 2010, 29, 2680-2688.	1.0	8
130	Crystalline ethane-1,2-diol does not have intra-molecular hydrogen bonding: Experimental and theoretical charge density studies. Journal of Molecular Structure, 2010, 964, 126-133.	1.8	66
131	Cu-Catalyzed Efficient Synthetic Methodology for Ebselen and Related Seâ^'N Heterocycles. Organic Letters, 2010, 12, 5394-5397.	2.4	118
132	Effect of substitution on molecular conformation and packing features in a series of aryl substituted ethyl-6-methyl-4-phenyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylates. CrystEngComm, 2010, 12, 1205.	1.3	26
133	Tetrakis-Î¼-L-alanine-Îº8O:Oâ€²-bis[tetraaquaterbium(III)] hexaperchlorate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m193-m194.	0.2	5
134	3-(2-Amino-1,3-thiazol-4-yl)-6-bromo-2H-chromen-2-one. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o3047-o3048.	0.2	2
135	17Î±-EstradiolÂ·1/2 H₂O: Super-Structural Ordering, Electronic Properties, Chemical Bonding, and Biological Activity in Comparison with Other Estrogens. Journal of the American Chemical Society, 2009, 131, 17260-17269.	6.6	30
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