

Tayur N Guru Row

List of Publications by Year
in descending order

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166
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166
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166
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5845
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymorphs, Salts, and Cocrystals: Whatâ€™s in a Name?. <i>Crystal Growth and Design</i> , 2012, 12, 2147-2152.	1.4	767
2	Net atomic charges and molecular dipole moments from spherical-atom X-ray refinements, and the relation between atomic charge and shape. <i>The Acta Crystallographica Section A, Crystal Physics, Diffraction, and General Crystallography</i> , 1979, 35, 63-72.	0.6	322
3	Role of organic fluorine in crystal engineering. <i>CrystEngComm</i> , 2011, 13, 2175.	1.3	289
4	Directional preferences of nonbonded atomic contacts with divalent sulfur in terms of its orbital orientations. 2. Sulfur.cntdot..cntdot..cntdot.sulfur interactions and nonspherical shape of sulfur in crystals. <i>Journal of the American Chemical Society</i> , 1981, 103, 477-479.	6.6	218
5	Experimental evidence for π -carbon bonding TM in the solid state from charge density analysis. <i>Chemical Communications</i> , 2014, 50, 49-51.	2.2	154
6	Exploring the Lower Limit in Hydrogen Bonds: A Analysis of Weak C-H \cdots O and C-H \cdots I Interactions in Substituted Coumarins from Charge Density Analysis. <i>Journal of Physical Chemistry A</i> , 2005, 109, 659-672.	1.1	139
7	Is CH ₃ NH ₃ PbI ₃ Polar?. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2412-2419.	2.1	134
8	Co-crystallization and small molecule crystal form diversity: from pharmaceutical to materials applications. <i>CrystEngComm</i> , 2016, 18, 8528-8555.	1.3	131
9	Nature of Cl \cdots Cl Intermolecular Interactions via Experimental and Theoretical Charge Density Analysis: Correlation of Polar Flattening Effects with Geometry. <i>Journal of Physical Chemistry A</i> , 2010, 114, 13434-13441.	1.1	122
10	Halogen bonding in fluorine: experimental charge density study on intermolecular F \cdots F and F \cdots S donor-acceptor contacts. <i>Chemical Communications</i> , 2013, 49, 7558.	2.2	117
11	Evaluation of the interchangeability of C-H and C-F groups: insights from crystal packing in a series of isomeric fluorinated benzanilides. <i>CrystEngComm</i> , 2008, 10, 54-67.	1.3	112
12	Comprehending the Formation of Eutectics and Cocrystals in Terms of Design and Their Structural Interrelationships. <i>Crystal Growth and Design</i> , 2014, 14, 4187-4198.	1.4	112
13	How Realistic Are Interactions Involving Organic Fluorine in Crystal Engineering? Insights from Packing Features in Substituted Isoquinolines. <i>Crystal Growth and Design</i> , 2004, 4, 47-52.	1.4	109
14	Experimental validation of π -nitrogen bonding TM in nitrogen by charge density analysis. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2330-2334.	1.3	90
15	Critical Comparison of FAPbX ₃ and MAPbX ₃ (X = Br and Cl): How Do They Differ?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13758-13766.	1.5	84
16	Charge Density Analysis of Heterohalogen (Cl \cdots F) and Homohalogen (F \cdots F) Intermolecular Interactions in Molecular Crystals: Importance of the Extent of Polarizability. <i>Crystal Growth and Design</i> , 2011, 11, 1338-1346.	1.4	82
17	Synthesis and characterization of layered bismuth vanadates. <i>Journal of Materials Research</i> , 1990, 5, 2718-2722.	1.2	78
18	Charge Density Analysis of Crystals of Nicotinamide with Salicylic Acid and Oxalic Acid: An Insight into the Salt to Cocrystal Continuum. <i>Crystal Growth and Design</i> , 2010, 10, 3306-3310.	1.4	77

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19	S π O chalcogen bonding in sulfa drugs: insights from multipole charge density and X-ray wavefunction of acetazolamide. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25411-25420.	1.3	74
20	Directing role of functional groups in selective generation of C \cdots H \cdots I \cdots interactions: In situ cryo-crystallographic studies on benzyl derivatives. <i>CrystEngComm</i> , 2010, 12, 3112.	1.3	70
21	Halogen Bonding in 2,5-Dichloro-1,4-benzoquinone: Insights from Experimental and Theoretical Charge Density Analysis. <i>Crystal Growth and Design</i> , 2011, 11, 1855-1862.	1.4	70
22	Analysis of Cl \cdots Cl and C-H \cdots Cl intermolecular interactions involving chlorine in substituted 2-chloroquinoline derivatives. <i>Journal of Chemical Sciences</i> , 2010, 122, 677-685.	0.7	68
23	Transferability of Multipole Charge Density Parameters for Supramolecular Synthons: A New Tool for Quantitative Crystal Engineering. <i>Crystal Growth and Design</i> , 2011, 11, 616-623.	1.4	65
24	Revealing the Polarizability of Organic Fluorine in the Trifluoromethyl Group: Implications in Supramolecular Chemistry. <i>Crystal Growth and Design</i> , 2014, 14, 5366-5369.	1.4	64
25	Charge density based classification of intermolecular interactions in molecular crystals. <i>CrystEngComm</i> , 2005, 7, 608.	1.3	60
26	A Donor \cdots Acceptor \cdots Donor Structured Organic Conductor with S \cdots S Chalcogen Bonding. <i>Crystal Growth and Design</i> , 2014, 14, 459-466.	1.4	60
27	Organic fluorine as crystal engineering tool: Evidence from packing features in fluorine substituted isoquinolines. <i>CrystEngComm</i> , 2006, 8, 265.	1.3	58
28	Charge Density Analysis of Ferulic Acid: Robustness of a Trifurcated C \cdots H \cdots O Hydrogen Bond. <i>Crystal Growth and Design</i> , 2012, 12, 6083-6091.	1.4	56
29	α -Conformational Simulation of Sulfamethizole by Molecular Complexation and Insights from Charge Density Analysis: Role of Intramolecular S \cdots O Chalcogen Bonding. <i>Crystal Growth and Design</i> , 2015, 15, 2110-2118.	1.4	55
30	Topological Analysis of Charge Density Distribution in Concomitant Polymorphs of 3-Acetylcoumarin, A Case of Packing Polymorphism. <i>Crystal Growth and Design</i> , 2006, 6, 708-718.	1.4	53
31	Multicomponent solids of lamotrigine with some selected coformers and their characterization by thermoanalytical, spectroscopic and X-ray diffraction methods. <i>CrystEngComm</i> , 2011, 13, 6271.	1.3	52
32	Evidence for the α -Amphoteric \cdots Nature of Fluorine in Halogen Bonds: An Instance of Cl \cdots F Contact. <i>Crystal Growth and Design</i> , 2012, 12, 1713-1716.	1.4	51
33	Anhydrous Adenine: Crystallization, Structure, and Correlation with Other Nucleobases. <i>Crystal Growth and Design</i> , 2008, 8, 1223-1225.	1.4	49
34	Unique Type II Halogen \cdots Halogen Interactions in Pentafluorophenyl-Appended 2,2 \cdots -Bithiazoles. <i>Crystal Growth and Design</i> , 2013, 13, 1045-1049.	1.4	46
35	Organic alloys of room temperature liquids thiophenol and selenophenol. <i>Chemical Communications</i> , 2015, 51, 14255-14258.	2.2	46
36	Third Polymorph of Phenylacetylene. <i>Crystal Growth and Design</i> , 2010, 10, 4246-4249.	1.4	44

37	Topological Electron Density Analysis and Electrostatic Properties of Aspirin: An Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2012, 12, 4357-4366.	1.4	42
38	Evaluation of the role of disordered organic fluorine in crystal packing: insights from halogen substituted benzanilides. <i>CrystEngComm</i> , 2012, 14, 200-210.	1.3	41
39	Solvatomorphism in 3-Fluorobenzoylaminophenyl 3-Fluorobenzoate: A Subtle Interplay of Strong Hydrogen Bonds and Weak Intermolecular Interactions Involving Disordered Fluorine. <i>Crystal Growth and Design</i> , 2006, 6, 1267-1270.	1.4	39
40	Structure determination at room temperature and phase transition studies above T _c in ABi ₄ Ti ₄ O ₁₅ (A =) Tj ETQq0 0 0 rgBT /Overlock	0.8	38
41	Structural Insights into Proton Conduction in Gallic Acid–Isoniazid Cocrystals. <i>Crystal Growth and Design</i> , 2014, 14, 423-426.	1.4	38
42	Structural Variability in the Monofluoroethynylbenzenes Mediated through Interactions Involving Organic–Fluorine. <i>Crystal Growth and Design</i> , 2011, 11, 3954-3963.	1.4	37
43	Unprecedented 30 K hysteresis across switchable dielectric and magnetic properties in a bright luminescent organic–inorganic halide (CH ₆ N ₃) ₂ MnCl ₄ . <i>Journal of Materials Chemistry C</i> , 2019, 7, 4838-4845.	2.7	37
44	Experimental and Theoretical Charge Density Analysis of Polymorphic Structures: The Case of Coumarin 314 Dye. <i>Crystal Growth and Design</i> , 2010, 10, 1516-1526.	1.4	35
45	Polymorphism and tautomeric preference in fenobam and the utility of NLO response to detect polymorphic impurities. <i>Chemical Communications</i> , 2012, 48, 10559.	2.2	34
46	Phase Diagram and Dielectric Properties of MA ₁ FA _x Pb ₃ . <i>ACS Energy Letters</i> , 2019, 4, 2045-2051.	8.8	33
47	Crystal landscape in the orcinol:4,4'-bipyridine system: synthon modularity, polymorphism and transferability of multipole charge density parameters. <i>IUCr</i> , 2014, 1, 8-18.	1.0	32
48	Disorder Induced Concomitant Polymorphism in 3-Fluoro-N-(3-fluorophenyl)benzamide. <i>Crystal Growth and Design</i> , 2008, 8, 848-853.	1.4	29
49	A Device to Crystallize Organic Solids: Structure of Ciprofloxacin, Midazolam, and Ofloxacin as Targets. <i>Crystal Growth and Design</i> , 2010, 10, 1866-1870.	1.4	28
50	Effect of inductive effect on the formation of cocrystals and eutectics. <i>CrystEngComm</i> , 2014, 16, 9930-9938.	1.3	28
51	Non-Classical Synthons: Supramolecular Recognition by S...O Chalcogen Bonding in Molecular Complexes of Riluzole. <i>Chemistry - A European Journal</i> , 2019, 25, 3591-3597.	1.7	28
52	Halogen Bonding and Chalcogen Bonding in 4,7-Dibromo-5,6-dinitro-2,1,3-benzothiadiazole. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11382-11390.	1.2	27
53	Electron density study of 2H-chromene-2-thione. <i>Acta Crystallographica Section B: Structural Science</i> , 2002, 58, 1011-1017.	1.8	26
54	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. <i>CrystEngComm</i> , 2010, 12, 1205.	1.3	26

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55	Do carboximide–carboxylic acid combinations form co-crystals? The role of hydroxyl substitution on the formation of co-crystals and eutectics. IUCr, 2015, 2, 341-351.	1.0	26
56	A gallic acid–succinimide co-crystal landscape: polymorphism, pseudopolymorphism, variable stoichiometry co-crystals and concomitant growth of non-solvated and solvated co-crystals. CrystEngComm, 2016, 18, 3191-3203.	1.3	26
57	Evaluation of intermolecular interactions in thioisocoumarin derivatives: the role of the sulfur atom in generating packing motifs. CrystEngComm, 2009, 11, 284-291.	1.3	25
58	Synthesis, structure, characterization and photocatalytic activity of Bi ₂ Zr ₂ O ₇ under solar radiation. RSC Advances, 2013, 3, 18938.	1.7	25
59	Characterization of Interactions Involving Bromine in 2,2-Dibromo-2,3-dihydroinden-1-one via Experimental Charge Density Analysis. Crystal Growth and Design, 2014, 14, 5477-5485.	1.4	25
60	Synthesis, molecular docking, antimycobacterial and antimicrobial evaluation of new pyrrolo[3,2-c]pyridine Mannich bases. European Journal of Medicinal Chemistry, 2017, 131, 275-288.	2.6	25
61	Synthesis, Characterization, and Photocatalytic Properties of ZrMo ₂ O ₈ . Journal of Physical Chemistry C, 2009, 113, 10661-10666.	1.5	23
62	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
63	Polymorphic Anhydrous Cocrystals of Gallic Acid and Acetamide from Methanol: Pointers toward a Stable Cocrystal Form. Crystal Growth and Design, 2012, 12, 2744-2747.	1.4	22
64	Observation of ferroelectric phase and large spontaneous electric polarization in organic salt of diisopropylammonium iodide. Journal of Applied Physics, 2017, 121, 114101.	1.1	22
65	A soluble-lead redox flow battery with corrugated graphite sheet and reticulated vitreous carbon as positive and negative current collectors. Bulletin of Materials Science, 2013, 36, 163-170.	0.8	21
66	Multicomponent Adducts of Pyridoxine: An Evaluation of the Formation of Eutectics and Molecular Salts. Crystal Growth and Design, 2015, 15, 3474-3480.	1.4	21
67	Polymorphism in Opto-Electronic Materials with a Benzothiazole-fluorene Core: A Consequence of High Conformational Flexibility of π -Conjugated Backbone and Alkyl Side Chains. Crystal Growth and Design, 2011, 11, 1615-1622.	1.4	20
68	Propensity of formation of zipper architecture vs. Lincoln log arrangement in solvated molecular complexes of melamine with hydroxybenzoic acids. CrystEngComm, 2011, 13, 4886.	1.3	20
69	Synthesis, molecular docking and anti-mycobacterial evaluation of new imidazo[1,2-a]pyridine-2-carboxamide derivatives. European Journal of Medicinal Chemistry, 2015, 89, 616-627.	2.6	20
70	Manifestation of cocrystals and eutectics among structurally related molecules: towards understanding the factors that control their formation. CrystEngComm, 2017, 19, 1123-1132.	1.3	20
71	Differential Cocrystallization Behavior of Isomeric Pyridine Carboxamides toward Antitubercular Drug Pyrazinoic Acid. Crystal Growth and Design, 2015, 15, 858-866.	1.4	18
72	Correction for Polymorphs, Salts and Cocrystals: What™s in a Name?. Crystal Growth and Design, 2012, 12, 4290-4291.	1.4	17

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73	Computational approaches and sigma-hole interactions: general discussion. Faraday Discussions, 2017, 203, 131-163.	1.6	17
74	Structure, Ionic Conduction and Dielectric Relaxation in a Novel Fast Ion Conductor, Na ₂ Cd(SO ₄) ₂ . Chemistry of Materials, 2007, 19, 347-349.	3.2	16
75	Synthesis, structure and photocatalytic properties of $\text{P}^{2-}\text{-ZrMo}_2\text{O}_8$. Bulletin of Materials Science, 2009, 32, 337-342.	0.8	16
76	A Novel Oxide Ion Conductor in a Doped Bi ₂ O ₃ -V ₂ O ₅ System: An Ab Initio Structure of a New Polymorph of NaBi ₃ V ₂ O ₁₀ via Powder X-ray Diffraction. Chemistry of Materials, 2000, 12, 3658-3661.	3.2	15
77	Thermal Rearrangement of Azido Ketones into Oxazoles via Azirines: One-Pot, Metal-Free Heteroannulation to Functionalized 1,3-Oxazoles. European Journal of Organic Chemistry, 2013, 2013, 264-267.	1.2	15
78	C-halogen- π interactions in nucleic acids: a database study. Journal of Chemical Sciences, 2020, 132, 1.	0.7	15
79	The Relevance of Experimental Charge Density Analysis in Unraveling Noncovalent Interactions in Molecular Crystals. Molecules, 2022, 27, 3690.	1.7	14
80	Phase transitions in triammonium hydrogen disulphate. Crystal structures at $\sim 110^\circ\text{C}$ and $+140^\circ\text{C}$. Phase Transitions, 1996, 58, 263-271.	0.6	13
81	In Situ Crystallography of KHSO ₄ : Probing the Kinetic Pathway for the Evolution of a Pyrolysis Reaction in the Crystalline State. Inorganic Chemistry, 2008, 47, 8613-8615.	1.9	13
82	Manipulation of the Hydration Levels in Minerals of Sodium Cadmium Bisulfate toward the Design of Functional Materials. Crystal Growth and Design, 2011, 11, 3213-3221.	1.4	13
83	Exploring the rare S-H...S hydrogen bond using charge density analysis in isomers of mercaptobenzoic acid. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 626-633.	0.5	13
84	Variable Temperature X-ray Crystal Structure Analysis of a Type I Langbeinite: Rb ₂ Cd ₂ (SO ₄) ₃ . Chemistry of Materials, 2002, 14, 4729-4735.	3.2	12
85	Solvent mediated centric/non-centric polymorph pairs of an indole derivative: Subtle variation of C-H...O hydrogen bonds and C-H... π interactions. CrystEngComm, 2006, 8, 482.	1.3	12
86	Structure-property relationship of polyethylene glycol-based PU/PAN semi-interpenetrating polymer networks. Journal of Applied Polymer Science, 2006, 99, 177-187.	1.3	12
87	Fluorine prefers hydrogen bonds over halogen bonds! Insights from crystal structures of some halofluorobenzenes. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, .	0.4	12
88	Synthesis, crystal structure and fluorescence properties of two dinuclear zinc(II) complexes incorporating tridentate (NNO) Schiff bases. Journal of Coordination Chemistry, 2016, 69, 2403-2414.	0.8	12
89	Exploring polymorphism by solvent mediation in potentially active herbicide Metribuzin: A subtle interplay of weak intermolecular interactions. CrystEngComm, 2005, 7, 374.	1.3	11
90	Crystal structure and ionic conductivity of the series A ₂ Bi ₂ Mo ₈ X ₂ O ₆₈ (A = Ca, Sr and Ba and X = Cr) Tj ETQq0 0 0 rgBT / Overlock 10 T	1.6	11

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91	Synthesis, structure and ionic conductivity in scheelite type LiO \cdot 5CeO \cdot 5x Ln x MoO $_4$ (x = 0 and O \cdot 25, Ln) Tj ETQq1 1 0.784314 rgB 0.7 11	0.7	11
92	High-Temperature Phase Transition Studies in a Novel Fast Ion Conductor, Na₂Cd(SO₄₂, Probed by Raman Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 1505-1507.	1.1	10
93	Crystal structures of fluorinated aryl biscarbonates and a bis carbamate: a counterpoise between weak intermolecular interactions and molecular symmetry. CrystEngComm, 2011, 13, 1531-1538.	1.3	10
94	Crystal structures and binding studies of atovaquone and its derivatives with cytochrome bc1: a molecular basis for drug design. CrystEngComm, 2013, 15, 4871.	1.3	10
95	Analysis of an unusual hetero-halogen bonded trimer using charge density analysis: A case of concerted type I Br \cdots Br and type II Br \cdots Cl interactions. Journal of Chemical Sciences, 2016, 128, 1579-1587.	0.7	10
96	Do halogen bonds dictate the packing preferences in solid solutions?. Faraday Discussions, 2017, 203, 201-212.	1.6	10
97	A heuristic approach to evaluate <i>peri</i>-interactions<i> versus</i> intermolecular interactions in an overcrowded naphthalene. IUCrJ, 2017, 4, 37-49.	1.0	10
98	Evolution of Cocrystals from Solid Solutions in Benzoic Acid“Mono/poly-fluorobenzoic Acid Combinations. Crystal Growth and Design, 2021, 21, 4607-4618.	1.4	10
99	Self assembly of C-methyl resorcin[4]arene with coumarin and thiocoumarin: A nanotubular array with a near perfect lock and key fit. Journal of Chemical Sciences, 2008, 120, 39-44.	0.7	9
100	In Situ Phase Separation Following Dehydration in Bimetallic Sulfates: A Variable-Temperature X-Ray Diffraction Study. Inorganic Chemistry, 2009, 48, 7048-7058.	1.9	9
101	Lithium <sc>d</sc>-Isoascorbate Monohydrate, a New Nonlinear Optical Material. Crystal Growth and Design, 2013, 13, 97-105.	1.4	9
102	Superionic Behavior and Phase Transition in a Vanthoffite Mineral. Inorganic Chemistry, 2017, 56, 6048-6051.	1.9	9
103	<i>Syn</i> vs <i>Anti</i> Carboxylic Acids in Hybrid Peptides: Experimental and Theoretical Charge Density and Chemical Bonding Analysis. Journal of Physical Chemistry A, 2018, 122, 3665-3679. A study of cubic bismuth oxides of the type	1.1	9
104	Bi₂₆X</sub>M_{X}O₄₀Ti₄ (M = Ti, Mn, Fe, Co,) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 222 T 0.0	0.0	10
105	₃-Bi₂O₃. World Scientific Series in 20th Century Chemistry, 2003, , 95-108. Low temperature crystallographic data on Kevlar 49 fibres. Journal of Materials Science, 2003, 38, 133-139.	1.7	8
106	Phase transitions in A4Li(HSO $_4$) $_3$ (SO $_4$); A = Rb, K: Single crystal X-ray diffraction studies. Journal of Chemical Sciences, 2003, 115, 473-490.	0.7	8
107	Unusual anisotropic effects from 1,3â€dipolar cycloadducts of 4â€azidomethyl coumarins. Journal of Heterocyclic Chemistry, 2010, 47, 91-97.	1.4	8
108	Organic Multifunctional Materials: Second Harmonic, Ferroelectric, and Dielectric Properties in <i>N</i>-Benzylideneaniline Analogues. Crystal Growth and Design, 2019, 19, 5934-5944.	1.4	8

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109	Halogen Bonded Network Modulating the Mechanical Property Elastic and Plastic Bending in Nonconventional Molecular Solid Solutions. <i>Crystal Growth and Design</i> , 2022, 22, 48-53.	1.4	8
110	X-ray studies of the crystalline and nematic phases of 4-(3,4,5-trifluorophenyl)-4-propylbicyclohexyl. <i>Liquid Crystals</i> , 2008, 35, 1307-1312.	0.9	7
111	N-Alkyl derivative of 1,9-pyrazoloanthrone as a sensor for picric acid. <i>RSC Advances</i> , 2014, 4, 45306-45310.	1.7	7
112	Partial rotation of the isopropyl group in the solid state: single-crystal-to-single-crystal phase transformation in a carvacrol derivative. <i>CrystEngComm</i> , 2015, 17, 7482-7485.	1.3	7
113	Proton Conduction in a Quaternary Organic Salt: Its Phase Behavior and Related Spectroscopic Studies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18317-18325.	1.5	7
114	Experimental Insights into the Electronic Nature, Spectral Features, and Role of Entropy in Short CH ₃ - π -CH ₃ Hydrophobic Interactions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7224-7229.	2.1	7
115	Crystal structure and ionic conductivity of a new bismuth tungstate, Bi ₃ W ₂ O ₁₀ .5. <i>Journal of Chemical Sciences</i> , 2006, 118, 43-46.	0.7	6
116	Symbiosis in Solid State Interconversion and Synthron Modularity in Hydroxybenzoic Acid-Hexamine Adducts. <i>Crystal Growth and Design</i> , 2014, 14, 2614-2620.	1.4	6
117	Anthrapyrazolone analogues intercept inflammatory JNK signals to moderate endotoxin induced septic shock. <i>Scientific Reports</i> , 2014, 4, 7214.	1.6	6
118	Probing the Critical Role of Sn Content in SnSb@C Nanofiber Anode on Li Storage Mechanism and Battery Performance. <i>ACS Omega</i> , 2017, 2, 9250-9260.	1.6	6
119	Evaluation of Cocrystallization Outcomes of Multicomponent Adducts: Rapid Fabrication to Achieve Uniform Particle Size Distribution Using Thermal Inkjet Printing. <i>Crystal Growth and Design</i> , 2020, 20, 4667-4677.	1.4	6
120	Ab initio structure determination via powder X-ray diffraction. <i>Journal of Chemical Sciences</i> , 2001, 113, 435-444.	0.7	5
121	Tracing a Crystallization Pathway of an RT Liquid, 4-Fluorobenzoyl Chloride: Metastable Polytypic Form as an Intermediate Phase. <i>Crystal Growth and Design</i> , 2014, 14, 4230-4235.	1.4	5
122	Probing the influence of non-covalent contact networks identified by charge density analysis on the oxidoreductase BacC. <i>Protein Engineering, Design and Selection</i> , 2017, 30, 265-272.	1.0	5
123	Role of Functionalities in Structural Analogues Urocanic Acid and L-Histidine, toward the Formation of Anhydrous and Hydrated Molecular Salts. <i>Crystal Growth and Design</i> , 2019, 19, 1845-1852.	1.4	5
124	Unraveling the Nature of Weak Hydrogen Bonds and Intermolecular Interactions Involving Elements of Group 14-17 via Experimental Charge Density Analysis. <i>Journal of the Indian Institute of Science</i> , 2020, 100, 203-220.	0.9	5
125	Crystal and molecular structure of 2,6-bis(4-fluorobenzylidene)cyclohexanone. <i>Crystal Research and Technology</i> , 2003, 38, 822-828.	0.6	4
126	Crystal and molecular structure of 2,6-bis(4-chlorophenyl)-3-phenylpiperidin-4-one. <i>Crystal Research and Technology</i> , 2003, 38, 918-921.	0.6	4

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127	Strength vs. Accessibility: Unraveling the Patterns of Self-Recognition in a Conformationally Locked Amino Alcohol. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 805-815.	1.2	4
128	Supramolecular Organization in Tetra Aqua (1/4-8-Hydroxyquinoline-5-sulfonate) Barium (II) and Ag-Â-Â-I Interactions in a Pseudopolymorphic Form of (7-Iodo-8-hydroxyquinoline-5-sulfonate) Silver (I) Monohydrate. <i>Journal of Chemical Crystallography</i> , 2010, 40, 316-322.	0.5	4
129	Effect of bismuth substitution on crystal chemistry, photocatalysis and conductivity in Sr3V2O8: a new structural type in palmierite class. <i>RSC Advances</i> , 2012, 2, 10505.	1.7	4
130	Synthesis of Optically Active 2-Â-Amino-1,3,4-oxadiazoles and their Hybrid Peptides. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1438-1446.	1.4	4
131	Alloying in an Intercalation Host: Metal Titanium Niobates as Anodes for Rechargeable Alkali-Ion Batteries. <i>Chemistry - an Asian Journal</i> , 2018, 13, 299-310.	1.7	4
132	Biheterocyclic Coumarins: A Simple Yet Versatile Resource for Futuristic Design and Applications in Bio-molecular and Material Chemistry. <i>Current Organic Chemistry</i> , 2022, 26, 444-506.	0.9	4
133	Crystal Structure of 5,6-Benzo-4-[(4-methyl)phenoxyethyl]coumarin. <i>X-ray Structure Analysis Online</i> , 2009, 25, 53-54.	0.1	3
134	Polymorphism in a TADDOL analogue induced by the presence of a chiral impurity. <i>CrystEngComm</i> , 2010, 12, 3452.	1.3	3
135	Crystal Form Diversity of the Antiepileptic Drug Retigabine. <i>Crystal Growth and Design</i> , 2018, 18, 1501-1508.	1.4	3
136	Structural and biological evaluation of halogen derivatives of 1,9-pyrazoloanthrones towards the design of a specific potent inhibitor of c-Jun-N-terminal kinase (JNK). <i>New Journal of Chemistry</i> , 2018, 42, 10651-10660.	1.4	3
137	Minerals to Functional Materials: Characterization of Structural Phase Transitions and Raman Analysis of a Superionic Phase in Na₆Co(SO₄)₄. <i>Inorganic Chemistry</i> , 2020, 59, 8424-8431.	1.9	3
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