

Andrzej Katrusiak

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

495
papers

7,899
citations

39
h-index

61
g-index

531
ext. papers

8,382
ext. citations

3.6
avg, IF

6.58
L-index

#	Paper	IF	Citations
495	Stochastic hydration of a high-nitro-gen-content molecular compound recrystallized under pressure.. <i>IUCrJ</i> , 2022 , 9, 49-54	4.7	2
494	Crystal and molecular structure of 8-hydroxyquinoline betaine monohydrate studied by X-ray, FTIR, NMR and DFT. <i>Journal of Molecular Structure</i> , 2022 , 1248, 131421	3.4	0
493	Mechanical strain, thermal and pressure effects on the absorption edge of an organic charge-transfer polymer for flexible photovoltaics and sensors. <i>Materials Advances</i> , 2022 , 3, 2697-2705	3.3	0
492	Competition between Hydrogen and Anagostic Bonds in Ruthenocene Phases under High Pressure. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 5028-5035	3.8	2
491	Response to comment on Properties and interactions - melting point of tribromobenzene isomers.. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022 , 78, 276-278	1.8	
490	Stress to distress: Triboluminescence and pressure luminescence of lanthanide diketonates. <i>Chemical Engineering Journal Advances</i> , 2022 , 100326	3.6	
489	High-Pressure Polymorphs Nucleated and Stabilized by Rational Doping under Ambient Conditions. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23501-23509	3.8	2
488	Solvent-controlled elongation and mechanochemical strain in a metal-organic framework. <i>Dalton Transactions</i> , 2021 , 50, 17478-17481	4.3	
487	Photoinduced Skeletal Rearrangement of -Substituted Colchicine Derivatives. <i>Journal of Organic Chemistry</i> , 2021 , 86, 11029-11039	4.2	2
486	High-pressure Nucleation of Low-Density Polymorphs*. <i>Chemistry - A European Journal</i> , 2021 , 27, 7069-7073	4.3	7
485	Compression and Thermal Expansion in Organic and MetalOrganic Crystals: The PressureTemperature Correspondence Rule. <i>Crystal Growth and Design</i> , 2021 , 21, 2196-2204	3.5	2
484	Mechanism of Pressure-Induced Phase Transitions and StructureProperty Relations in Methylhydrazinium Manganese Hypophosphite Perovskites. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10121-10129	3.8	4
483	High-pressure Nucleation of Low-Density Polymorphs. <i>Chemistry - A European Journal</i> , 2021 , 27, 6999	4.8	
482	High-pressure and environment effects in selenourea and its labile crystal field around molecules. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021 , 77, 449-455	1.8	1
481	Squeezing Out the Catalysts: A Sustainable Approach to Disulfide Bond Exchange in Aryl Disulfides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7171-7178	8.3	2
480	Lattice-Strain Coupled to Molecular Conformation and Disorder in Compressed Nickelocene. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 15670-15675	3.8	2
479	Time-dependent transformation routes of perovskites CsPbBr ₃ and CsPbCl ₃ under high pressure. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10769-10779	13	5

478	Structure-property relationships of molecular shape and orientation with compression and expansion of xylitol. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021 , 77, 205-210	1.8	1
477	High-Pressure Sorption of Hydrogen in Urea. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 7756-7762	3.8	1
476	Properties and interactions [melting point of tribromobenzene isomers. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021 , 77, 632-637	1.8	2
475	Stepwise Stress-Induced Transformations of Metal-Organic Polyhedral Cluster-Based Assemblies: Where Conformational and Supramolecular Features Meet. <i>Chemistry - A European Journal</i> , 2021 , 27, 13757-13764	4.8	0
474	Thermostructural and Elastic Properties of PbTe and Pb _{0.884} Cd _{0.116} Te: A Combined Low-Temperature and High-Pressure X-ray Diffraction Study of Cd-Substitution Effects. <i>Crystals</i> , 2021 , 11, 1063	2.3	0
473	Large negative linear compressibility of a porous molecular co-crystal. <i>Chemical Communications</i> , 2020 , 56, 4324-4327	5.8	7
472	Synthesis and Antiproliferative Screening Of Novel Analogs of Regioselectively Demethylated Colchicine and Thiocolchicine. <i>Molecules</i> , 2020 , 25,	4.8	6
471	Solid-State Dynamics and High-Pressure Studies of a Supramolecular Spiral Gear. <i>Chemistry - A European Journal</i> , 2020 , 26, 5061-5069	4.8	5
470	Pressure-Promoted Solvation of Resorcinol. <i>Crystal Growth and Design</i> , 2020 , 20, 3112-3118	3.5	4
469	Exploring ion-ion preferences through structure-property correlations: amino acid-derived, bis(guanidinium) disiloxane salts. <i>Scientific Reports</i> , 2020 , 10, 646	4.9	0
468	Enhancement of superconducting state properties of Fe _{0.994} Ni _{0.007} Te _{0.66} Se _{0.34} single crystal with increasing pressure: a correlation with pressure-induced crystallinity degradation. <i>Superconductor Science and Technology</i> , 2020 , 33, 045004	3.1	0
467	High-pressure luminescence of monoclinic and triclinic GdBO ₃ : Eu ³⁺ . <i>Ceramics International</i> , 2020 , 46, 26368-26376	5.1	5
466	Crystal design by CH...N and N...N interactions: high-pressure structures of high-nitrogen-content azido-triazolopyridazines compounds. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020 , 76, 1136-1142	1.8	4
465	High-pressure preference for reduced water content in porous zinc aspartate hydrates. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020 , 76, 795-801	1.8	
464	Hydrogen-bonding aggregation of N-methylpyrrolidine betaine with p-hydroxybenzoic acid. <i>Journal of Molecular Structure</i> , 2020 , 1206, 127695	3.4	3
463	Fluorine...Fluorine Interactions in a High-Pressure Layered Phase of Perfluorobenzene. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 99-106	3.8	10
462	Centrosymmetric and asymmetric dimers of 5-(quinolinium)-valeric acid bromide monohydrate in crystal field and in silico. <i>Journal of Molecular Structure</i> , 2020 , 1222, 128912	3.4	
461	Structural, spectroscopic and theoretical studies of 8-hydroxyquinolinium bromide and its monohydrate. <i>Vibrational Spectroscopy</i> , 2019 , 104, 102962	2.1	5

460 Correlating Structure and Magnetic Behavior at High Pressure **2019**, 546-546

- 459 Dynamic Resolution of Piezosensitivity in Single Crystals of π -Conjugated Molecules. *Chemistry - A European Journal*, **2019**, 25, 6092-6097 4.8 5
- 458 Gold nanorods as a high-pressure sensor of phase transitions and refractive-index gauge. *Nanoscale*, **2019**, 11, 8718-8726 7.7 22
- 457 Short N \cdots N and CH \cdots N Contacts in the Ambient and High-Pressure Polymorphs of a High-Nitrogen-Content Compound. *Crystal Growth and Design*, **2019**, 19, 1832-1838 3.5 7
- 456 Pressure-Dependent Crystallization Preference of Resorcinol Polymorphs. *Crystal Growth and Design*, **2019**, 19, 5629-5635 3.5 7
- 455 Vittrification and New Phases in the Water:Pyrimidine Binary Eutectic System. *Journal of Physical Chemistry B*, **2019**, 123, 7190-7196 3.4 1
- 454 Environment-Controlled Postsynthetic Modifications of Iron Formate Frameworks. *Inorganic Chemistry*, **2019**, 58, 11773-11781 5.1 9
- 453 How to Quench Ferromagnetic Ordering in a CN-Bridged Ni(II)-Nb(IV) Molecular Magnet? A Combined High-Pressure Single-Crystal X-Ray Diffraction and Magnetic Study. *Magnetochemistry*, **2019**, 5, 33 3.1 6
- 452 Pressure-Enhanced Environment Effects in Ferrocene Phases. *Journal of Physical Chemistry C*, **2019**, 123, 25719-25723 3.8 5
- 451 Band Gap Engineering in MASnBr and CsSnBr Perovskites: Mechanistic Insights through the Application of Pressure. *Journal of Physical Chemistry Letters*, **2019**, 10, 7398-7405 6.4 31
- 450 High-pressure devices **2019**, 156-173 4
- 449 Lab in a DAC - high-pressure crystal chemistry in a diamond-anvil cell. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2019**, 75, 918-926 1.8 13
- 448 The shortest chalcogen...halogen contacts in molecular crystals. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2019**, 75, 865-869 1.8 2
- 447 Compression of Hydrogen-Bonded Layers in Imidazolidine-2-thione. *Crystal Growth and Design*, **2019**, 19, 285-290 3.5 1
- 446 High-Pressure Structure and Properties of N,N-Dimethylformamide (DMF). *Crystal Growth and Design*, **2019**, 19, 896-901 3.5 5
- 445 Effect of alkyl chain length in 2-(quinuclidinium)-alkanocarboxylates on structures of their complexes with 2,6-dichloro-4-nitrophenol. *Journal of Molecular Structure*, **2019**, 1180, 812-825 3.4
- 444 Effects of donor-acceptor groups on structural and spectroscopic properties of hydrogen-bonded complex of 2-(hydroxymethyl)-1-methyl-piperidine with p-hydroxybenzoic acid and water. *Vibrational Spectroscopy*, **2018**, 96, 67-73 2.1 2
- 443 Spectroscopic, structural and theoretical investigation of 1,3-bis(3-hydroxymethylpyridinium)propane dibromide, tetrabromozincate and tetrabromocuprate. *Journal of Molecular Structure*, **2018**, 1163, 345-356 3.4 1

442	Dynamic Covalent Chemistry under High-Pressure: A New Route to Disulfide Metathesis. <i>Chemistry - A European Journal</i> , 2018 , 24, 8769-8773	4.8	18
441	High-pressure and temperature dependence of the spontaneous resolution of 1,1'-binaphthyl enantiomers. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 5305-5311	3.6	6
440	Zone-Collapse Amorphization Mimicking the Negative Compressibility of a Porous Compound. <i>Crystal Growth and Design</i> , 2018 , 18, 1082-1089	3.5	10
439	Loose crystals engineered by mismatched halogen bonds in hexachloroethane. <i>CrystEngComm</i> , 2018 , 20, 328-333	3.3	3
438	Pressure-Induced High-to-Low Z? Phase Transition of a Conformationally Disordered Molecular Crystal. <i>Crystal Growth and Design</i> , 2018 , 18, 3187-3192	3.5	6
437	High-Pressure Transformations and the Resonance Structure of Thiourea. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5064-5070	3.8	9
436	Framework and coordination strain in two isostructural hybrid metal-organic perovskites. <i>CrystEngComm</i> , 2018 , 20, 5348-5355	3.3	14
435	Solid-State Associative Reactions and the Coordination Compression Mechanism. <i>Inorganic Chemistry</i> , 2018 , 57, 8942-8950	5.1	14
434	Structural, spectroscopic and theoretical studies of 6-hydroxyquinolinium bromide monohydrate. <i>Vibrational Spectroscopy</i> , 2018 , 99, 44-49	2.1	4
433	Pressure-Temperature Phase Diagrams and Transition Mechanisms of Hybrid Organic-Inorganic NH ₄ ⁺ Bonded Ferroelectrics. <i>Crystal Growth and Design</i> , 2018 , 18, 6488-6496	3.5	4
432	Research Update: Tricritical point and large caloric effect in a hybrid organic-inorganic perovskite. <i>APL Materials</i> , 2018 , 6, 100701	5.7	20
431	A giant 2-dimensional dielectric response in a compressed hydrogen-bonded hybrid organic-inorganic salt. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7689-7699	7.1	11
430	Molecular structure and spectral properties of 4-(1-pyridinium)-butyrate dihydrate and its hydrobromide. <i>Vibrational Spectroscopy</i> , 2017 , 88, 40-48	2.1	4
429	Giant Anomalous Strain between High-Pressure Phases and the Mesomers of Urea. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 778-784	3.8	17
428	Colossal Strain Release by Conformational Energy Up-Conversion in a Compressed Molecular Crystal. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2539-2545	3.8	13
427	Pressure inverse solubility and polymorphism of an edible β -cyclodextrin-based metal-organic framework. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9086-9091	3.6	13
426	Piezochromic Topology Switch in a Coordination Polymer. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 929-935	6.4	22
425	Tautomers of N-ethyl-3-oxopyridinium and its adduct with squaric acid studied by X-ray, Raman, FTIR, NMR and DFT methods. <i>Vibrational Spectroscopy</i> , 2017 , 89, 102-112	2.1	3

424	Pressure Effects on Crystallization, Polymorphism, and Solvation of 4,4'-Bipyridinium Perchlorate. <i>Crystal Growth and Design</i> , 2017 , 17, 3134-3141	3.5	7
423	Photovoltaic Hybrid Perovskites under Pressure. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2496-2506.	4	78
422	Structure-Property Relations and Polymorphism in Compressed Methylamines. <i>Crystal Growth and Design</i> , 2017 , 17, 2218-2222	3.5	6
421	Conformational flexibility and pseudosymmetric aggregation in a betainium salt hydrate. <i>Structural Chemistry</i> , 2017 , 28, 859-865	1.8	4
420	Piezochromic Porous Metal-Organic Framework. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 279-284	6.4	39
419	Spectroscopic and theoretical studies of the H-bonded complex of quinuclidine with 2,6-dichloro-4-nitrophenol. <i>Vibrational Spectroscopy</i> , 2017 , 93, 29-35	2.1	4
418	Reversible pressure pre-amorphization of a piezochromic metal-organic framework. <i>Dalton Transactions</i> , 2017 , 46, 14795-14803	4.3	22
417	The conformations of new CF ₃ and CF ₃ -CHF containing amides derived from carbohydrates: NMR, crystallographic and DFT study. <i>New Journal of Chemistry</i> , 2017 , 41, 12631-12644	3.6	2
416	Direct and Inverse Relations between Temperature and Pressure Effects in Crystals: A Case Study on o-Xylene. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22303-22309	3.8	19
415	Lifetime nanomanometry - high-pressure luminescence of up-converting lanthanide nanocrystals - SrF:Yb,Er. <i>Nanoscale</i> , 2017 , 9, 16030-16037	7.7	81
414	Structure and hydrogen bonding in 5-(dimethylphenylammonium)-valeric acid bromide hydrate. <i>Vibrational Spectroscopy</i> , 2017 , 92, 188-193	2.1	2
413	Three-component complex of piperidine-ethanol, p-hydroxybenzoic acid and water studied by X-ray, Raman, FTIR and DFT. <i>Vibrational Spectroscopy</i> , 2017 , 92, 194-199	2.1	5
412	High Pressure Effects on Zwitterionic and Thione Mesomeric Contributions in 2-Benzimidazole-2-Thione. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18830-18836	3.8	
411	A New Ethane Polymorph. <i>Crystal Growth and Design</i> , 2017 , 17, 228-232	3.5	7
410	Syntheses, Crystal Structures and Spectroscopic Studies of Bis[1-methyl-3-(methoxycarbonylmethyl)-benzimidazolium] ²⁺ [CuBr ₄] ²⁻ and [ZnBr ₄] ²⁻ Compounds. <i>ChemistrySelect</i> , 2017 , 2, 11120-11130	1.8	0
409	Disproportional proton tautomers of pipecolic acid and 2,6-dichloro-4-nitrophenol in a 2:3 complex. <i>Chemical Physics</i> , 2016 , 477, 88-95	2.3	6
408	Mechanism of Pressure-Induced Phase Transitions, Amorphization, and Absorption-Edge Shift in Photovoltaic Methylammonium Lead Iodide. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3458-66	6.4	134
407	High-Pressure Crystallizations of meta-Dichlorobenzene and Dibromobenzene and Their Solid Solutions. <i>Crystal Growth and Design</i> , 2016 , 16, 6304-6309	3.5	6

- 406 Intermolecular Contacts in Compressed D-d-Mannose. *Crystal Growth and Design*, **2016**, 16, 6885-6890 3.5 7
- 405 Crystal structure and physical properties of 1-methyl-3-(carboxymethyl)benzimidazolium betaine[CuBr₂ in crystal and water solution. *New Journal of Chemistry*, **2016**, 40, 10526-10535 3.6 3
- 404 Pressure-induced preference for solvation of 5,6-dimethylbenzimidazole. *CrystEngComm*, **2016**, 18, 3211-3215 3.3 4
- 403 High-Pressure Preference for the Low Z? Polymorph of a Molecular Crystal. *Crystal Growth and Design*, **2016**, 16, 3947-3953 3.5 20
- 402 Halogen and hydrogen bonds in compressed pentachloroethane. *CrystEngComm*, **2016**, 18, 5393-5397 3.3 6
- 401 Pressure-Stabilized Solvates of Xylazine Hydrochloride. *Crystal Growth and Design*, **2016**, 16, 3756-3762 3.5 6
- 400 Volume and Pressure Effects for Solvation: The Case Study on Polymorphs of Neat Triiodoimidazole Replaced by Its Solvate. *Crystal Growth and Design*, **2016**, 16, 3917-3923 3.5 10
- 399 Synthesis, spectroscopic and theoretical studies of (R/S)-piperidinium-3-carboxylic acid 2,6-dichloro-4-nitrophenolate. *Vibrational Spectroscopy*, **2016**, 83, 46-56 2.1 6
- 398 Most Frequent Organic Interactions Compressed in Toluene. *Crystal Growth and Design*, **2016**, 16, 1435-1441 3.5 23
- 397 Spectroscopic studies of the 1:1 complex of piperidine-4-carboxylic acid (isonipecotic acid) with 2,6-dichloro-4-nitrophenol. *Vibrational Spectroscopy*, **2016**, 85, 35-42 2.1 6
- 396 Structural investigation of ribonuclease A conformational preferences using high pressure protein crystallography. *Chemical Physics*, **2016**, 468, 53-62 2.3 6
- 395 Structure of the complex of dimethylphenyl betaine with dichloroacetic acid studied by X-ray diffraction, DFT calculations, infrared and Raman spectra. *Vibrational Spectroscopy*, **2016**, 84, 92-100 2.1 11
- 394 High pressure used for producing a new solvate of 1,4-diazabicyclo[2.2.2]octane hydroiodide. *New Journal of Chemistry*, **2016**, 40, 2014-2020 3.6 5
- 393 Double helix quinine-based supergelator. *Soft Matter*, **2016**, 12, 1368-73 3.6 3
- 392 Phase Transitions and Polymerization of C₆H₆⋯F₆ Cocrystal under Extreme Conditions. *Journal of Physical Chemistry C*, **2016**, 120, 29510-29519 3.8 23
- 391 Pressure-preferred symmetric reactions of 4,4'-bipyridine hydrobromide. *CrystEngComm*, **2016**, 18, 3223-3228 3.3 4
- 390 Competition between Halogen and Hydrogen Bonds in Triiodoimidazole Polymorphs. *Crystal Growth and Design*, **2016**, 16, 3869-3874 3.5 20
- 389 Structure, spectroscopy and DFT calculations of 1,2-di(3-hydroxymethylpyridinium)ethane dibromide. *Journal of Molecular Structure*, **2016**, 1120, 341-350 3.4 4

- 388 Two Cyanide-Bridged Mn(II)-Nb(IV) Coordination Chain Ferrimagnets Promoted by Interchain Ferromagnetic Interactions. *Inorganic Chemistry*, **2016**, 55, 5281-6 5.1 15
- 387 Giant strain geared to transformable H-bonded network in compressed D-mannose. *Physical Chemistry Chemical Physics*, **2016**, 18, 11474-9 3.6 12
- 386 Relations between compression and thermal contraction in 1,2,4-trichlorobenzene and melting of trichlorobenzene isomers. *CrystEngComm*, **2015**, 17, 3446-3451 3.3 1
- 385 CH₂N Bonds and Dynamics in Isostructural Pyrimidine Polymorphs. *Crystal Growth and Design*, **2015**, 15, 4039-4044 3.5 22
- 384 Enforcing Multifunctionality: A Pressure-Induced Spin-Crossover Photomagnet. *Journal of the American Chemical Society*, **2015**, 137, 8795-802 16.4 121
- 383 Cascade of High-Pressure Transitions of Claudetite II and the First Polar Phase of Arsenic(III) Oxide. *Crystal Growth and Design*, **2015**, 15, 3950-3954 3.5 8
- 382 Hydrate smaller than the anhydrate. *CrystEngComm*, **2015**, 17, 5468-5473 3.3 16
- 381 Rare stoichiometry of carboxyl-carboxylate benzbetaine complexes: in vitro versus in silico. *CrystEngComm*, **2015**, 17, 4143-4149 3.3 2
- 380 Halogen and Hydrogen Bond Architectures in Switchable Chains of Di- and Trihaloimidazoles. *Crystal Growth and Design*, **2015**, 15, 1658-1665 3.5 10
- 379 Giant Negative Area Compressibility Tunable in a Soft Porous Framework Material. *Journal of the American Chemical Society*, **2015**, 137, 9296-301 16.4 83
- 378 Singularities in Molecular Conformation. *Crystal Growth and Design*, **2015**, 15, 5530-5534 3.5 1
- 377 Compressed Arsenolite As₄O₆ and Its Helium Clathrate As₄O₆·2He. *Crystal Growth and Design*, **2015**, 15, 3740-3745 3.5 29
- 376 Spectroscopic studies of the equilibrium between complexes of lasalocid acid with propargylamine and metal cations. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 150, 704-711 4.4 2
- 375 Quantitative estimate of cohesion forces. *CrystEngComm*, **2015**, 17, 9423-9430 3.3 17
- 374 Discrete CH₂N Bonded Patterns Modified by Temperature and Pressure in Four Pyrazine Polymorphs. *Crystal Growth and Design*, **2015**, 15, 5670-5674 3.5 15
- 373 Spectroscopic, structural and theoretical investigation of bis(4-trimethylammoniumbenzoate) hydroiodide hydrate. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 136 Pt B, 1149-56 4.4 4
- 372 Structural, spectroscopic and theoretical studies of dimethylphenyl betaine complex with two molecules of 2,6-dichloro-4-nitro-phenol. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 136 Pt C, 1216-26 4.4 10
- 371 Transformable H-bonds and conformation in compressed glucose. *Chemical Science*, **2015**, 6, 1991-1995 9.4 22

370	Spectroscopic studies of the 1:1 adduct of N-methylmorpholinium-acetate with hydrobromic acid in the crystalline and gaseous state. <i>Vibrational Spectroscopy</i> , 2015 , 80, 36-41	2.1	1
369	Conformational Conversion of 4,4'-Bipyridinium in a Hidden High-Pressure Phase. <i>Crystal Growth and Design</i> , 2015 , 15, 764-770	3.5	8
368	High-Pressure Crystallization and Structural Transformations in Compressed R,S-Ibuprofen. <i>Crystal Growth and Design</i> , 2015 , 15, 1512-1517	3.5	21
367	One-step ring condensation of hydrazine derivatives and cyclic anhydrides. <i>Journal of Molecular Structure</i> , 2015 , 1085, 28-36	3.4	3
366	NH \cdots O and OH \cdots O interactions of glycine derivatives with squaric acid. <i>New Journal of Chemistry</i> , 2014 , 38, 3556-3568	3.6	16
365	Tri- and tetrafluoropropionamides derived from chiral secondary amines: Synthesis and the conformational studies. <i>New Journal of Chemistry</i> , 2014 , 38, 3819-3830	3.6	5
364	Colossal Monotonic Response to Hydrostatic Pressure in Molecular Crystal Induced by a Chemical Modification. <i>Crystal Growth and Design</i> , 2014 , 14, 4247-4253	3.5	21
363	Quasistatic Disorder of NH \cdots N Bonds and Elastic-Properties Relationship in 2-Phenylimidazole Crystals. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7049-7056	3.8	5
362	Halogen \cdots halogen contra C \cdots H \cdots halogen interactions. <i>CrystEngComm</i> , 2014 , 16, 8279-8285	3.3	26
361	Wallach's Rule Enforced by Pressure in Mandelic Acid. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4309-4313	3.8	20
360	Bimodal Distribution of the Shortest Intermolecular Contacts in Crystals of Organic Compounds. <i>Crystal Growth and Design</i> , 2014 , 14, 2223-2229	3.5	14
359	Anomalous compression of a weakly CH \cdots O bonded nonlinear optical molecular crystal. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6471-6476	7.1	19
358	Pressure-Induced Solvate Crystallization of 1,4-Diazabicyclo[2.2.2]octane Perchlorate with Methanol. <i>Crystal Growth and Design</i> , 2014 , 14, 2187-2191	3.5	20
357	Structure-melting relations in isomeric dibromobenzenes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 492-7	1.8	4
356	Giant negative linear compression positively coupled to massive thermal expansion in a metal-organic framework. <i>Nature Communications</i> , 2014 , 5, 4337	17.4	133
355	Spectral and structural studies of dimethylphenyl betaine hydrate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 128, 844-51	4.4	12
354	Spectroscopic and structural investigation of 2,5-dicarboxy-1-methylpyridinium inner salt. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 586-95	4.4	1
353	Unwinding Au(+) \cdots Au(+) Bonded Filaments in Ligand-Supported Gold(I) Polymer under Pressure. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2182-8	6.4	24

352	Conformational and H-bonding preferences for facile racemate crystallization of ribose. <i>Chirality</i> , 2014 , 26, 806-10	2.1	2
351	Isothermal and isochoric crystallization of highly hygroscopic pyridine N-oxide of aqueous solution. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 487-91	1.8	8
350	Stable Molecular Complex of Squaric Acid with 2-(Quinuclidinium)propionate. <i>Australian Journal of Chemistry</i> , 2013 , 66, 836	1.2	9
349	Structure and conformation of 2,3-diethoxycarbonyl-1-methylpyridinium iodide studied by NMR, FTIR, Raman, X-ray diffraction and DFT methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 115, 208-18	4.4	4
348	Systematics in NH ⁺ ⋯N-Bonded Monosalts of 4,4'-Bipyridine (44'biPy) with Mineral Acids. <i>Crystal Growth and Design</i> , 2013 , 13, 4378-4384	3.5	7
347	U-Turn Compression to a New Isostructural Ferrocene Phase. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 4032-4037	6.4	19
346	Pressure Effect on d,l-Mandelic Acid Racemate Crystallization. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 7279-7285	3.8	25
345	Pressure-Dependent Formation and Decomposition of Thiourea Hydrates. <i>Crystal Growth and Design</i> , 2013 , 13, 121-125	3.5	33
344	Structure of the high-pressure phase IV of KH ₂ PO ₄ (KDP). <i>Dalton Transactions</i> , 2013 , 42, 863-6	4.3	20
343	Hydrogen Bonds NH ⁺ ⋯N in Compressed Benzimidazole Polymorphs. <i>Crystal Growth and Design</i> , 2013 , 13, 696-700	3.5	31
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