

Andrei V Churakov

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#	Paper	IF	Citations
467	Intermolecular hydrogen bond energies in crystals evaluated using electron density properties: DFT computations with periodic boundary conditions. <i>Journal of Computational Chemistry</i> , 2012 , 33, 2303-9	3.5	226
466	H-bond network in amino acid cocrystals with H ₂ O or H ₂ O ₂ . The DFT study of serine-H ₂ O and serine-H ₂ O ₂ . <i>Journal of Physical Chemistry A</i> , 2011 , 115, 13657-63	2.8	66
465	Pharmaceutical cocrystals of diflunisal and diclofenac with theophylline. <i>Molecular Pharmaceutics</i> , 2014 , 11, 3707-15	5.6	62
464	Structure and ion-complexing properties of an aza-15-crown-5 ether dye: synthesis, crystallography, NMR spectroscopy, spectrophotometry and potentiometry. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 2249-2256		56
463	Crystal structures of natural amino acid perhydrates. <i>CrystEngComm</i> , 2011 , 13, 2399	3.3	45
462	Pharmaceutical salts of ciprofloxacin with dicarboxylic acids. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 77, 112-21	5.1	44
461	A chemosensor for micro- to nano-molar detection of Ag and Hg ions in pure aqueous media and its applications in cell imaging. <i>Dalton Transactions</i> , 2017 , 46, 14201-14209	4.3	43
460	Quantum chemical study of group 14 elements pentacoordinated derivatives metallatranes. <i>Computational and Theoretical Chemistry</i> , 2005 , 724, 31-37		43
459	Monomeric and dimeric magnesium mono-BHT complexes as effective ROP catalysts. <i>Catalysis Communications</i> , 2016 , 87, 106-111	3.2	43
458	Peroxo-solvates: Formation Criteria, H ₂ O ₂ Hydrogen Bonding, and Isomorphism with the Corresponding Hydrates. <i>Crystal Growth and Design</i> , 2017 , 17, 214-220	3.5	42
457	Synthesis, Structure, and Ion Selective Complexation of Trans and Cis Isomers of Photochromic Dithia-18-crown-6 Ethers. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4992-5000	16.4	42
456	Mono-BHT heteroleptic magnesium complexes: synthesis, molecular structure and catalytic behavior in the ring-opening polymerization of cyclic esters. <i>Dalton Transactions</i> , 2017 , 46, 12132-12146	4.3	41
455	Direct ortho-palladation of 2-phenyl-2-oxazoline. <i>Journal of Organometallic Chemistry</i> , 2000 , 603, 86-97	2.3	41
454	Synthesis of bimetallic complexes via 4-stannatetrahydro-s-indacenes. <i>Organometallics</i> , 1992 , 11, 3942-3947	3.87	41
453	Exo- and endo-palladacycles derived from (4R)-phenyl-2-oxazolines. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 2382-2394	2.3	40
452	Novel supramolecular charge-transfer systems based on bis(18-crown-6)stilbene and viologen analogues bearing two ammonioalkyl groups. <i>New Journal of Chemistry</i> , 2005 , 29, 881	3.6	39
451	Ditopic complex formation of the crown-containing 2-styrylbenzothiazole. <i>New Journal of Chemistry</i> , 2003 , 27, 280-288	3.6	39

450	Controlled ring-opening homo- and copolymerization of ϵ -caprolactone and d,l-lactide by iminophenolate aluminum complexes: An efficient approach toward well-defined macromonomers. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 1237-1250	2.5	36
449	Analysis of a Solid-State Conformational Rearrangement Using ^{15}N NMR and X-ray Crystallography. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 3505-3513	2.8	36
448	Novel drug-drug cocrystals of carbamazepine with para-aminosalicylic acid: screening, crystal structures and comparative study of carbamazepine cocrystal formation thermodynamics. <i>CrystEngComm</i> , 2017 , 19, 4273-4286	3.3	35
447	Glycine and L-serine crystalline perhydrates. <i>Chemical Communications</i> , 2009 , 4224-6	5.8	35
446	Synthesis, Structure, Spectroscopic Studies, and Complexation of Novel Crown Ether Butadienyl Dyes. <i>Helvetica Chimica Acta</i> , 2002 , 85, 60-81	2	35
445	New approach to 1-(phenylethynyl)germatranes and 1-(phenylethynyl)-3,7,10-trimethylgermatrane. Reactions of 1-(phenylethynyl)germatrane with N-bromosuccinimide and bromine. <i>Journal of Organometallic Chemistry</i> , 2001 , 627, 1-5	2.3	35
444	Drug-drug cocrystals of antituberculous 4-aminosalicylic acid: Screening, crystal structures, thermochemical and solubility studies. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 99, 228-239	5.1	34
443	Stabilized Germylenes Based on Diethylenetriamines and Related Diamines: Synthesis, Structures, and Chemical Properties. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3712-3724	2.3	34
442	4-Styrylquinolines: synthesis and study of [2 + 2]-photocycloaddition reactions in thin films and single crystals. <i>New Journal of Chemistry</i> , 2007 , 31, 980-994	3.6	34
441	Palladium nitrosyl carboxylate complexes X-ray structures of $\text{Pd}_4(\text{NO})_2(\text{OCOCMe}_3)_6$ and $\text{Pd}_3(\text{NO})_2(\text{OCOCF}_3)_4\text{C}_6\text{H}_5\text{Me}$. <i>Inorganica Chimica Acta</i> , 2003 , 350, 283-288	2.7	34
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439	5-Methoxy-Substituted Zirconium Bis-indenyl ansa-Complexes: Synthesis, Structure, and Catalytic Activity in the Polymerization and Copolymerization of Alkenes. <i>Organometallics</i> , 2012 , 31, 4962-4970	3.8	32
438	Cesium hydroperoxostannate: first complete structural characterization of a homoleptic hydroperoxocomplex. <i>Inorganic Chemistry</i> , 2010 , 49, 4762-4	5.1	32
437	Influence of Secondary Interactions on the Structure, Sublimation Thermodynamics, and Solubility of Salicylate:4-Hydroxybenzamide Cocrystals. Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 10466-77	3.4	31
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435	Supramolecular assemblies of photochromic benzodithia-18-crown-6 ethers in crystals, solutions, and monolayers. <i>New Journal of Chemistry</i> , 2002 , 26, 543-553	3.6	31
434	Palladium complexes with stabilized germylene and stannylene ligands. <i>Dalton Transactions</i> , 2013 , 42, 7901-12	4.3	30
433	Styryl dyes. Synthesis and study of the solid-state [2+2] autophotocycloaddition by NMR spectroscopy and X-ray diffraction. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1860-1883	1.7	30

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- 431 Synthesis of 1,2,3,4-tetrazine 1,3-dioxides annulated with 1,2,3-triazoles and 1,2,3-triazole 1-oxides. *Tetrahedron*, **2014**, 70, 3018-3022 2.4 29
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413	ansa-Metallocene derivatives of TiIV and ZrIV with the shortest $\eta^5\text{C}(\text{CH}_3)_2$ bridge. <i>Journal of Organometallic Chemistry</i> , 1992 , 435, 37-42	2.3	25
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404	Luminescence Enhancement by p-Substituent Variation. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 107-114	2.3	22
403	Synthesis, structure, and properties of supramolecular charge-transfer complexes between bis(18-crown-6)stilbene and ammonioalkyl derivatives of 4,4'-bipyridine and 2,7-diazapyrene. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6768-79	4.2	22
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398	Compounds of Group 14 Elements with an Element-Element (E = Si, Ge, Sn) Bond: Effect of the Nature of the Element Atom. <i>Organometallics</i> , 2015 , 34, 2765-2774	3.8	21
397	Preparation of pure hydrogen peroxide and anhydrous peroxide solutions from crystalline serine perhydrate. <i>Tetrahedron</i> , 2010 , 66, 5130-5133	2.4	21

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