

Dmitry S Yufit

List of Publications by Year in descending order

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2109
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#	ARTICLE	IF	CITATIONS
1	Chiral transcription in self-assembled tetrahedral Eu ₄ L ₆ chiral cages displaying sizable circularly polarized luminescence. <i>Nature Communications</i> , 2017, 8, 1128.	5.8	128
2	Simplifying the conductance profiles of molecular junctions: the use of the trimethylsilylethynyl moiety as a molecule-anchored gold contact. <i>Dalton Transactions</i> , 2013, 42, 338-341.	1.6	83
3	Combined Spectroscopic and Quantum Chemical Study of $[\text{trans-Ru}(\text{C}_6\text{H}_4)_2\text{H}_4\text{R}^1_2(\text{dppe})_2]^n$ and $[\text{trans-Ru}(\text{C}_6\text{H}_4)_2\text{H}_4\text{R}^1_2(\text{C}_6\text{H}_4)_2\text{R}^2_2]^n$ ($n = 0, 1$) Complexes: Interpretations beyond the Lowest Energy Conformer Paradigm. <i>Organometallics</i> , 2014, 33, 4947-4963.	1.1	66
4	Spectroscopic and Computational Studies of the Ligand Redox Non-Innocence in Mono- and Binuclear Ruthenium Vinyl Complexes. <i>Organometallics</i> , 2011, 30, 1852-1858.	1.1	63
5	Experimental and Computational Studies of the Single-Molecule Conductance of Ru(II) and Pt(II) $\text{trans-Bis}(\text{acetylide})$ Complexes. <i>Organometallics</i> , 2016, 35, 2944-2954.	1.1	49
6	Substituent Effects on the Fluorescence Properties of <i>ortho</i> -Carboranes: Unusual Emission Behaviour in $\text{C}(\text{C}_2\text{Pyridyl})_2$ - <i>ortho</i> -carboranes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 403-412.	1.0	46
7	A Combined Computational and Spectroelectrochemical Study of Platinum-Bridged Bis-Triarylamine Systems. <i>Inorganic Chemistry</i> , 2014, 53, 1544-1554.	1.9	43
8	Revealing resonance effects and intramolecular dipole interactions in the positional isomers of benzonitrile-core thermally activated delayed fluorescence materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9184-9194.	2.7	42
9	Halogen and Hydrogen Bonding in Povidone-Iodine and Related Co-Phases. <i>Crystal Growth and Design</i> , 2017, 17, 5552-5558.	1.4	39
10	Synthesis, Electrochemistry, and Single-Molecule Conductance of Bimetallic 2,3,5,6-Tetra(pyridine-2-yl)pyrazine-Based Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 5487-5494.	1.9	37
11	New Blatter-type radicals from a bench-stable carbene. <i>Nature Communications</i> , 2017, 8, 15088.	5.8	36
12	PARASHIFT Probes: Solution NMR and X-ray Structural Studies of Macrocyclic Ytterbium and Yttrium Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 4028-4038.	1.9	34
13	Supramolecular Gel Control of Cisplatin Crystallization: Identification of a New Solvate Form Using a Cisplatin-Mimetic Gelator. <i>Crystal Growth and Design</i> , 2015, 15, 4591-4599.	1.4	33
14	Selective gelation of <i>N</i> -(4-pyridyl)nicotinamide by copper(II) salts. <i>CrystEngComm</i> , 2015, 17, 8130-8138.	1.3	33
15	Hydrogen Bonding Is Not Everything: Extensive Polymorphism in a System with Conserved Hydrogen Bonded Synthons. <i>Crystal Growth and Design</i> , 2010, 10, 880-886.	1.4	31
16	Insulated molecular wires: inhibiting orthogonal contacts in metal complex based molecular junctions. <i>Nanoscale</i> , 2017, 9, 9902-9912.	2.8	30
17	Molybdenum Complexes of <i>C</i> , <i>C</i> -Bis(ethynyl)carboranes: Design, Synthesis, and Study of a Weakly Coupled Mixed-Valence Compound. <i>Organometallics</i> , 2011, 30, 884-894.	1.1	29
18	The crystal engineering of radiation-sensitive diacetylene cocrystals and salts. <i>Chemical Science</i> , 2020, 11, 8025-8035.	3.7	29

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19	Multimetastability in a Spin-Crossover Compound Leading to Different High-Spin-to-Low-Spin Relaxation Dynamics. <i>Inorganic Chemistry</i> , 2013, 52, 7203-7209.	1.9	27
20	Enantioselective synthesis of ammonium cations. <i>Nature</i> , 2021, 597, 70-76.	13.7	27
21	Low-melting molecular complexes. Halogen bonds in molecular complexes of bromoform. <i>CrystEngComm</i> , 2012, 14, 8222.	1.3	26
22	Homoleptic platinum(II) complexes with pyridyltriazole ligands: excimer-forming phosphorescent emitters for solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6592-6606.	2.7	24
23	Supramolecular Gelation as the First Stage in Ostwald's Rule. <i>Crystal Growth and Design</i> , 2018, 18, 7690-7700.	1.4	23
24	Hydration Behavior of Polylactam Clathrate Hydrate Inhibitors and Their Small-Molecule Model Compounds. <i>Crystal Growth and Design</i> , 2017, 17, 3236-3249.	1.4	22
25	Shape-selective crystallisation of fluxional carbon cages. <i>Chemical Science</i> , 2018, 9, 8631-8636.	3.7	22
26	Syntheses, Spectroelectrochemical Studies, and Molecular and Electronic Structures of Ferrocenyl Ene-diyne. <i>Organometallics</i> , 2013, 32, 6022-6032.	1.1	21
27	Coordinating Tectons: Bimetallic Complexes from Bipyridyl Terminated Group 8 Alkynyl Complexes. <i>Organometallics</i> , 2014, 33, 4911-4922.	1.1	20
28	Exploring the Chemistry and Photophysics of Substituted Picolinate Positional Isomers in Iridium(III) Bisphenylpyridine Complexes. <i>Organometallics</i> , 2017, 36, 2727-2735.	1.1	19
29	A Spectroscopic and Computationally Minimal Approach to the Analysis of Charge-Transfer Processes in Conformationally Fluxional Mixed-Valence and Heterobimetallic Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 8837-8853.	1.7	19
30	A Series of [Co(Mabiq)Cl ₂ ·n] (n = 0, 1, 2) Compounds and Evidence for the Elusive Bimetallic Form. <i>Inorganic Chemistry</i> , 2015, 54, 5864-5873.	1.9	16
31	Syntheses and Structures of Buta-1,3-Diynyl Complexes from η^6 -C ₆ H ₆ Complex-Cross-Coupling Reactions. <i>Organometallics</i> , 2015, 34, 2395-2405.	1.1	16
32	Interplay between spin crossover and proton migration along short strong hydrogen bonds. <i>Chemical Science</i> , 2021, 12, 1038-1053.	3.7	16
33	3,4-Phenylenedioxythiophenes (PheDOTs) functionalized with electron-withdrawing groups and their analogs for organic electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3743-3756.	2.7	15
34	Sensitivity of Magnetic Anisotropy in the Solid State for Lanthanide Complexes with Small Crystal Field Splitting. <i>Inorganic Chemistry</i> , 2019, 58, 5733-5745.	1.9	15
35	Rare Case of Polymorphism in a Racemic Fluoxetine Nitrate Salt: Phase Behavior and Relative Stability. <i>Crystal Growth and Design</i> , 2016, 16, 3875-3883.	1.4	14
36	Triphenylide-Based Molecular Solid—A New Candidate for a Quantum Spin-Liquid Compound. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14864-14871.	1.5	14

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37	Tailored supramolecular gel and microemulsion crystallization strategies – is isoniazid really monomorphic?. <i>CrystEngComm</i> , 2018, 20, 1390-1398.	1.3	14
38	Conductance Behavior of Tetraphenyl-Aza-BODIPYs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6479-6485.	1.5	14
39	Pyridylphosphinate metal complexes: synthesis, structural characterisation and biological activity. <i>Dalton Transactions</i> , 2016, 45, 12807-12813.	1.6	13
40	Sandwich and half-sandwich metal complexes derived from cross-conjugated 3-methylene-penta-1,4-diyne. <i>Dalton Transactions</i> , 2017, 46, 5522-5531.	1.6	13
41	Conformational Studies on Oligosubstituted Adamantane Derivatives - Structural Features of Tetravinyl-, Tetracyclopropyl-, and Tetraisopropyladamantane. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1409-1415.	1.2	12
42	The structure and coordinative self-assembly of films based on a palladium compound of pyridyl-acetylene platinum and its application in Suzuki and Heck coupling reactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9164.	5.2	12
43	Derisking the Polymorph Landscape: The Complex Polymorphism of Mexiletine Hydrochloride. <i>Crystal Growth and Design</i> , 2021, 21, 7150-7167.	1.4	12
44	Extended Conjugation Attenuates the Quenching of Aggregation-Induced Emitters by Photocyclization Pathways. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
45	Spatially Resolved Investigation and Control of the Bistability in Single Crystals of the [Fe(bppya)(NCS) ₂] Spin Crossover Complex. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27608-27617.	1.5	10
46	Three cocrystals and a cocrystal salt of pyrimidin-2-amine and glutaric acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2015, 71, 276-283.	0.2	8
47	Gelation by histidine-derived ureas. <i>Supramolecular Chemistry</i> , 2018, 30, 384-394.	1.5	8
48	Emission Tuning of Ir(N ^ˆ S) ₂ (pic)-Based Complexes via Torsional Twisting of Picolinate Substituents. <i>Organometallics</i> , 2018, 37, 2003-2006.	1.1	8
49	A Reversible Hydrogen-Bond Isomerization Triggered by an Abrupt Spin Crossover near Room Temperature. <i>Chemistry - A European Journal</i> , 2021, 27, 740-750.	1.7	8
50	Synthesis of Fluoro and Cyanoaryl-Containing Pyrene Derivatives and their Optical and Electrochemical Properties. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 722-730.	1.3	7
51	Calcium cyclic carboxylates as structural models for calcium carbonate scale inhibitors. <i>CrystEngComm</i> , 2020, 22, 2585-2592.	1.3	7
52	The Role of the Fused Ring in Bicyclic Triazolium Organocatalysts: Kinetic, X-ray, and DFT Insights. <i>Journal of Organic Chemistry</i> , 2022, 87, 4241-4253.	1.7	7
53	Phosphate-Free Inhibition of Calcium Carbonate Dishwasher Deposits. <i>Crystal Growth and Design</i> , 2018, 18, 1526-1538.	1.4	6
54	Carborane photochromism: a fatigue resistant carborane switch. <i>Chemical Communications</i> , 2021, 57, 9466-9469.	2.2	6

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55	Synthesis, Ni(II) Schiff base complexation and structural analysis of fluorinated analogs of the ligand (S)-2-[N-(N-2-benzylpropyl)amino]benzophenone (BPB). <i>Journal of Fluorine Chemistry</i> , 2015, 173, 77-83.	0.9	5
56	Boric acid co-crystals in guar gelation. <i>CrystEngComm</i> , 2017, 19, 7125-7131.	1.3	5
57	Fluorotricarbonyl Derivatives as Versatile Fluorinated Building Blocks: Synthesis of Fluoroacetophenone, Fluoroketo Ester and Fluoropyranone Derivatives. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3872-3878.	1.2	5
58	Alkali Metal Salts of 10,12-Pentacosadiynoic Acid and Their Dosimetry Applications. <i>Crystal Growth and Design</i> , 2021, 21, 2416-2422.	1.4	5
59	Polymorphism of non-linear optical material N-(4-nitrophenyl)-N-methylamino-acetonitrile (NPAN). <i>Journal of Molecular Structure</i> , 2006, 784, 214-221.	1.8	4
60	Synthesis, Structure and Electrochemical Properties of Triarylamine Bridged Dicobaltdicarbon Tetrahedrane Clusters. <i>Journal of Cluster Science</i> , 2012, 23, 853-872.	1.7	4
61	In situ co-crystallization of cresols with aniline and fluoroanilines: subtle interplay of strong and weak hydrogen bonds. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2014, 229, 625-634.	0.4	4
62	Alkynyl-Phosphine Substituted Fe ₂ S ₂ Clusters: Synthesis, Structure and Spectroelectrochemical Characterization of a Cluster with a Class III Mixed-Valence [FeFe] ₃ ⁺ Core. <i>Journal of Cluster Science</i> , 2015, 26, 233-246.	1.7	4
63	Structure and hydration of polyvinylpyrrolidone-hydrogen peroxide. <i>Chemical Communications</i> , 2021, 58, 80-83.	2.2	4
64	Novel ruthenium complexes bearing bipyridine-based and N-heterocyclic carbene-supported pyridine (NCN) ligands: the influence of ligands on catalytic transfer hydrogenation of ketones. <i>Dalton Transactions</i> , 2021, 51, 340-351.	1.6	4
65	The low-melting compounds 1,4-diethyl-, 1,2-diethyl- and ethylbenzene. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 273-276.	0.4	3
66	The "Magic Linker": Highly Effective Gelation from Sterically Awkward Packing. <i>Crystal Growth and Design</i> , 2022, 22, 1914-1921.	1.4	3
67	1,2,3,4-Tetracyclopropylbuta-1,3-diene: Synthesis and Some of Its Properties. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6953-6958.	1.2	1
68	Molecular complexes of dimethyl sulfoxide with tri- and dichloromethane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o37-o40.	0.4	1
69	In-situcryocrystallization of 1,2-dimethyl-3-nitrobenzene and 2,4-dimethyl-1-nitrobenzene. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 872-875.	0.2	1
70	In situlaser irradiation setup for a Bruker three-circle goniometer. <i>Journal of Applied Crystallography</i> , 2017, 50, 1556-1558.	1.9	1
71	N,N-Diethyl-5-nitropyridin-2-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1237-o1239.	0.2	0
72	Os(VI)O ₂ /K Metal-Organic Frameworks: Infinite Chain, Grid, and Porous Networks. <i>Crystal Growth and Design</i> , 2014, 14, 2703-2708.	1.4	0

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73	Extended Conjugation Attenuates the Quenching of Aggregation-Induced Emitters by Photocyclization Pathways. <i>Angewandte Chemie</i> , 0, , .	1.6	0