Danil N Dybtsev

List of Publications by Year
in descending order

106 papers	8,049 citations	125106 35 h-index	53065 89 g-index
112 all docs	112 docs citations	112 times ranked	7340 citing authors

#	Article	IF	Citations
1	Intense multi-colored luminescence in a series of rare-earth metalâ€“organic frameworks with aliphatic linkers. Dalton Transactions, 2021, 50, 11899-11908.	1.6	11
2	Isomeric Scandiumâ€“Organic Frameworks with High Hydrolytic Stability and Selective Adsorption of Acetylene. Inorganic Chemistry, 2021, 60, 2996-3005.	1.9	21
3	3D Metalâ€“Organic Frameworks Based on Co(II) and Bithiophendicarboxylate: Synthesis, Crystal Structures, Gas Adsorption, and Magnetic Properties. Molecules, 2021, 26, 1269.	1.7	15
4	Metalâ€“Organic Frameworks for Highly Selective Separation of Xylene Isomers and Single-Crystal X-ray Study of Aromatic Guestâ€“Host Inclusion Compounds. ACS Applied Materials & Interfaces, 2021, 13, 14768-14777.	4.0	27
5	Asymmetric catalysis using metal-organic frameworks. Coordination Chemistry Reviews, 2021, 437, 213845.	9.5	80
6	Cinnamal Sensing and Luminescence Color Tuning in a Series of Rare-Earth Metalâ˜Organic Frameworks with Trans-1,4-cyclohexanedicarboxylate. Molecules, 2021, 26, 5145.	1.7	10
7	Hydrocarbon adsorption in a series of mesoporous metal-organic frameworks. Microporous and Mesoporous Materials, 2021, 328, 111477.	2.2	10
8	Synthesis, structural diversity, luminescent properties and antibacterial effects of cadmium(II) and silver(I) coordination compounds with bis(1,2,3-benzotriazol-1-yl)alkanes. Polyhedron, 2020, 177, 114330.	1.0	15
9	Structural Dynamics and Adsorption Properties of the Breathing Microporous Aliphatic Metalâ€“Organic Framework. Inorganic Chemistry, 2020, 59, 15724-15732.	1.9	18
10	A Series of Mesoporous Metalâ€Organic Frameworks with Tunable Windows Sizes and Exceptionally High Ethane over Ethylene Adsorption Selectivity. Angewandte Chemie - International Edition, 2020, 59, 20561-20567.	7.2	90
11	A Series of Mesoporous Metalâ€Organic Frameworks with Tunable Windows Sizes and Exceptionally High Ethane over Ethylene Adsorption Selectivity. Angewandte Chemie, 2020, 132, 20742-20748.	1.6	21
12	Topological polymorphism and temperature-driven topotactic transitions of metalâ€“organic coordination polymers. CrystEngComm, 2020, 22, 6295-6301.	1.3	14
13	Exceptionally effective benzene/cyclohexane separation using a nitro-decorated metalâ€“organic framework. Chemical Communications, 2020, 56, 8241-8244.	2.2	48
14	Transition Metal Coordination Polymers with Trans-1,4-Cyclohexanedicarboxylate: Acidity-Controlled Synthesis, Structures and Properties. Materials, 2020, 13, 486.	1.3	8
15	A Selenophene-Incorporated Metalâ€“Organic Framework for Enhanced CO2 Uptake and Adsorption Selectivity. Molecules, 2020, 25, 4396.	1.7	14
16	Tuning the Molecular and Cationic Affinity in a Series of Multifunctional Metalâ€“Organic Frameworks Based on Dodecanuclear Zn(II) Carboxylate Wheels. Journal of the American Chemical Society, 2019, 141, 17260-17269.	6.6	83
17	Understanding Hysteresis in Carbon Dioxide Sorption in Porous Metalâ€“Organic Frameworks. Inorganic Chemistry, 2019, 58, 6811-6820.	1.9	19
18	Chiral MOF incorporating chiral guests: Structural studies and enantiomer-dependent luminescent properties. Polyhedron, 2019, 162, 311-315.	1.0	13

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19	Rational synthesis and dimensionality tuning of MOFs from preorganized heterometallic molecular complexes. Dalton Transactions, 2019, 48, 3676-3686.	1.6	28
20	Exploring the multifunctionality in metalâ€“organic framework materials: how do the stilbenedicarboxylate and imidazolyl ligands tune the characteristics of coordination polymers?. New Journal of Chemistry, 2018, 42, 6408-6415.	1.4	21
21	Enhancement of CO₂ Uptake and Selectivity in a Metalâ€“Organic Framework by the Incorporation of Thiophene Functionality. Inorganic Chemistry, 2018, 57, 5074-5082.	1.9	50
22	Luminescent detection by coordination polymers derived from a pre-organized heterometallic carboxylic building unit. Polyhedron, 2018, 145, 147-153.	1.0	23
23	Synthesis and Luminescence Properties of New Metal-Organic Frameworks Based on Zinc(II) Ions and 2,5-Thiophendicarboxylate Ligands. Crystals, 2018, 8, 7.	1.0	9
24	Thermal (kinetic) stability of inclusion compounds on the basis of porous metalâ€“organic frameworks. Journal of Thermal Analysis and Calorimetry, 2017, 127, 779-787.	2.0	4
25	A Cryptand Metalâ€“Organic Framework as a Platform for the Selective Uptake and Detection of Group I Metal Cations. Chemistry - A European Journal, 2017, 23, 2286-2289.	1.7	18
26	Materials with high proton conductivity above 200ÂÂ°C based on a nanoporous metalâ€“organic framework and non-aqueous ionic media. RSC Advances, 2017, 7, 403-407.	1.7	10
27	Rational Synthesis and Investigation of Porous Metalâ€“Organic Framework Materials from a Preorganized Heterometallic Carboxylate Building Block. Inorganic Chemistry, 2017, 56, 1599-1608.	1.9	63
28	Cage amines in the metalâ€“organic frameworks chemistry. Pure and Applied Chemistry, 2017, 89, 1049-1064.	0.9	12
29	Some basic correlations in the thermal (kinetic) stability of inclusion compounds on the basis of microporous metalâ€“organic frameworks. Journal of Thermal Analysis and Calorimetry, 2017, 130, 335-342.	2.0	3
30	Halochromic coordination polymers based on a triarylmethane dye for reversible detection of acids. Dalton Transactions, 2017, 46, 465-470.	1.6	9
31	Pre-synthesized secondary building units in the rational synthesis of porous coordination polymers. Mendeleev Communications, 2017, 27, 321-331.	0.6	43
32	Phase transitions in a metalâ€“organic coordination polymer: [Zn2(C8H4O4)2(C6H12N2)] with guest molecules. Thermal effects and molecular mobility. Phase Transitions, 2017, 90, 628-636.	0.6	5
33	Synthesis, Crystal Structure, and Luminescent Properties of New Zinc(II) and Cadmium(II) Metal-Organic Frameworks Based on Flexible Bis(imidazol-1-yl)alkane Ligands. Crystals, 2016, 6, 132.	1.0	22
34	Porous coordination polymers based on carboxylate complexes of 3d metals. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2016, 42, 557-573.	0.3	23
35	Synthesis, crystal structure, thermal stability, and luminescent properties of lithium trimesate coordination polymer. Russian Chemical Bulletin, 2015, 64, 2903-2907.	0.4	2
36	Synthesis and characterization of chiral copper(ii) coordination polymers with 4,4Â´-bipyridine and lactic acid derivatives. Russian Chemical Bulletin, 2015, 64, 2908-2913.	0.4	2

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37	Synthesis, structure, and luminescent properties of layered coordination polymer based on cadmium(II) 2,5-furandicarboxylate. Russian Chemical Bulletin, 2015, 64, 613-617.	0.4	2
38	Metal-Cation-Independent Dynamics of Phenylene Ring in Microporous MOFs: A ²H Solid-State NMR Study. Journal of Physical Chemistry C, 2015, 119, 28038-28045.	1.5	36
39	Thermal decomposition of inclusion compounds on the base of the metalâ€“organic framework [Zn2(bdc)2(dabco)]. Journal of Thermal Analysis and Calorimetry, 2015, 121, 491-497.	2.0	12
40	Rigid 1D Coordination Polymers with Tunable Metal Cation and Chiral Pendant Moieties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 590-595.	0.6	6
41	Fast Interchange of Coordinated and Guest Dimethylformamide Molecules in the Zinc(II) Lactate Terephthalate Metalâ€“Organic Framework. Journal of Physical Chemistry C, 2015, 119, 24769-24773.	1.5	3
42	Supramolecular interactions in double-chain coordination polymers based on copper(I) cations with chiral linkers. Journal of Structural Chemistry, 2014, 55, 1442-1447.	0.3	3
43	Microporous coordination polymer [Zn4(dmf)(ur)2(ndc)4] as a heterogeneous catalyst for the Knoevenagel reaction. Russian Chemical Bulletin, 2014, 63, 2363-2368.	0.4	5
44	Synthesis of polypyrrole intercalated into channels of nanoporous metal-organic coordination polymer. Russian Journal of Organic Chemistry, 2014, 50, 510-512.	0.3	0
45	Syntheses and Structural Characterization of Lithium Carboxylate Frameworks and Guest-Dependent Photoluminescence Study. Crystal Growth and Design, 2014, 14, 4355-4363.	1.4	29
46	High-pressure hydrogen storage on modified MIL-101 metal-organic framework. International Journal of Energy Research, 2014, 38, 1562-1570.	2.2	25
47	High Proton Conductivity and Spectroscopic Investigations of Metalâ€“Organic Framework Materials Impregnated by Strong Acids. ACS Applied Materials & Interfaces, 2014, 6, 5161-5167.	4.0	92
48	Homochiral Cu(II) and Ni(II) malates with tunable structural features. Journal of Solid State Chemistry, 2014, 210, 125-129.	1.4	29
49	Synthesis and characterization of expected and unexpected topologies of homochiral porous metal(II) malate frameworks. Inorganica Chimica Acta, 2013, 394, 367-372.	1.2	24
50	Hierarchical Guest Exchange and Step-by-Step Activation of a Biporous Coordination Framework. Inorganic Chemistry, 2013, 52, 9702-9704.	1.9	15
51	Synthesis and gas sorption properties of halogen-doped mesoporous chromium(iii) terephthalate. Russian Chemical Bulletin, 2013, 62, 157-162.	0.4	8
52	Synthesis and structure of chiral coordination polymers of CoII, CuII, and MgII saccharates. Russian Chemical Bulletin, 2013, 62, 716-721.	0.4	4
53	Synthesis, structure, and properties of a new layered coordination polymer based on zinc(II) carboxylate. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 549-552.	0.3	9
54	Synthesis, crystal structure, and luminescence properties of coordination polymers based on cadmium isonicotinates. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 321-327.	0.3	5

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55	Porous carbon materials with a controllable surface area synthesized from metalâ€“organic frameworks. Chemical Communications, 2012, 48, 7447.	2.2	191
56	Enantioselective sorption of alcohols in a homochiral metalâ€“organic framework. Chemical Communications, 2012, 48, 513-515.	2.2	102
57	Imparting High Proton Conductivity to a Metalâ€“Organic Framework Material by Controlled Acid Impregnation. Journal of the American Chemical Society, 2012, 134, 15640-15643.	6.6	438
58	Structure of a framework coordination polymer Zn2(dmf)(H2O)(atc)]Â·0.75DMFÂ·0.5H2O. Journal of Structural Chemistry, 2012, 53, 408-412.	0.3	1
59	Benzene sorption by a microporous coordination polymer based on a zinc carboxylate. Russian Journal of Inorganic Chemistry, 2012, 57, 717-721.	0.3	1
60	Quantum Rotations and Chiral Polarization of Qubit Prototype Molecules in a Highly Porous Metalâ€“Organic Framework:¹H NMRT₁Study. Journal of Physical Chemistry C, 2011, 115, 20460-20465.	1.5	31
61	Homochiral porous metal-organic coordination polymers: synthesis, structure and functional properties. Russian Chemical Reviews, 2011, 80, 1009-1034.	2.5	46
62	Synthesis and structure of homochiral polymeric praseodymium tartrate. Russian Chemical Bulletin, 2011, 60, 2425-2428.	0.4	5
63	Synthesis of Phase-Pure Interpenetrated MOF-5 and Its Gas Sorption Properties. Inorganic Chemistry, 2011, 50, 3691-3696.	1.9	114
64	Microporous sensor: gas sorption, guest exchange and guest-dependant luminescence of metalâ€“organic framework. Dalton Transactions, 2011, 40, 2196-2203.	1.6	63
65	Influence of MILâ€101 Doping by Ionic Clusters on Hydrogen Storage Performance up to 1900 Bar. Chemistry - an Asian Journal, 2011, 6, 1854-1859.	1.7	23
66	Synthesis, structure and magnetic behavior of new 1D metalâ€“organic coordination polymer with Fe3O core. Inorganica Chimica Acta, 2011, 365, 513-516.	1.2	10
67	Synthesis, crystal structures, luminescent and thermal properties of two new metalâ€“organic coordination polymers based on zinc(ii) carboxylates. New Journal of Chemistry, 2010, 34, 2445.	1.4	34
68	Removal of nitrogen compounds from liquid hydrocarbon streams by selective sorption on metal-organic framework MIL-101. Mendeleev Communications, 2010, 20, 57-58.	0.6	58
69	Porous homo- and heterochiral cobalt(II) aspartates with high thermal stability of the metal-organic framework. Russian Chemical Bulletin, 2010, 59, 733-740.	0.4	18
70	Luminescence properties of mesoporous chromium(III) terephthalate and inclusion compounds of cluster complexes. Russian Chemical Bulletin, 2010, 59, 741-744.	0.4	16
71	Modular, Homochiral, Porous Coordination Polymers: Rational Design, Enantioselective Guest Exchange Sorption and Ab Initio Calculations of Hostâ€“Guest Interactions. Chemistry - A European Journal, 2010, 16, 10348-10356.	1.7	67
72	Influence of [Mo₆Br₈F₆]^{2â^'}Cluster Unit Inclusion within the Mesoporous Solid MIL-101 on Hydrogen Storage Performance. Langmuir, 2010, 26, 11283-11290.	1.6	59

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73	Reversible sorption of hydrogen on the novel hybrid material based on mesoporous chromium(iii) terephthalate with included rhenium clusters. Russian Chemical Bulletin, 2009, 58, 1623-1626.	0.4	9
74	Copper(II) camphorates with tunable pore size in metal-organic frameworks. Russian Chemical Bulletin, 2009, 58, 2246-2249.	0.4	12
75	1H NMR refinement of the structure of the guest sublattice and molecular dynamics in the ultrathin channels of [Zn2(C8H4O4)2(C6H12N2)]Â·n(H3C)2NCHO. Journal of Structural Chemistry, 2009, 50, 421-428.	0.3	13
76	Supramolecular interactions and structural transformations in the metal-organic sorbent-acetone nanoreactor system. Journal of Structural Chemistry, 2009, 50, 887-894.	0.3	8
77	Homogeneous and heterogeneous catalytic oxidation of sulfides by H2O2 over zinc(ii) compounds. Dalton Transactions, 2009, , 10481.	1.6	24
78	Methane Sorption and Structural Characterization of the Sorption Sites in Zn₂(bdc)₂(dabco) by Single Crystal Xâ€ray Crystallography. Chemistry - an Asian Journal, 2009, 4, 886-891.	1.7	65
79	A chiral cobaltous complex with acetone S-1,1â€²-binaphtyl-2,2â€²-diimine. Journal of Structural Chemistry, 2008, 49, 1132-1136.	0.3	0
80	Heterogeneous selective oxidation catalysts based on coordination polymer MIL-101 and transition metal-substituted polyoxometalates. Journal of Catalysis, 2008, 257, 315-323.	3.1	357
81	Dynamic Pseudo Jahnâ^Teller Effect and the Phase Transition Induced by Absorption of Molecules in Metalâ^Organic Nanotube Framework. Journal of Physical Chemistry C, 2008, 112, 5074-5077.	1.5	14
82	Isoreticular Homochiral Porous Metalâ^Organic Structures with Tunable Pore Sizes. Inorganic Chemistry, 2007, 46, 6843-6845.	1.9	151
83	Enantioselective Chromatographic Resolution and One-Pot Synthesis of Enantiomerically Pure Sulfoxides over a Homochiral Znâ^Organic Framework. Journal of the American Chemical Society, 2007, 129, 12958-12959.	6.6	246
84	Design of scaffold-like metal-organic coordination polymers based on dinuclear zinc(II) carboxylate complexes. Russian Chemical Bulletin, 2007, 56, 225-230.	0.4	6
85	Synthesis, structure, and magnetic properties of the cobalt(II) 1,3,5-benzenetricarboxylate layered coordination polymer. Russian Chemical Bulletin, 2007, 56, 1782-1786.	0.4	8
86	A Homochiral Metalâ€“Organic Material with Permanent Porosity, Enantioselective Sorption Properties, and Catalytic Activity. Angewandte Chemie - International Edition, 2006, 45, 916-920.	7.2	620
87	Synthesis, X-ray Crystal Structures, and Gas Sorption Properties of Pillared Square Grid Nets Based on Paddle-Wheel Motifs: Implications for Hydrogen Storage in Porous Materials. Chemistry - A European Journal, 2005, 11, 3521-3529.	1.7	827
88	Metalâ€“Organic Replica of Fluorite Built with an Eight-Connecting Tetranuclear Cadmium Cluster and a Tetrahedral Four-Connecting Ligand. Angewandte Chemie - International Edition, 2004, 43, 971-974.	7.2	241
89	Rigid and Flexible: A Highly Porous Metalâ€“Organic Framework with Unusual Guest-Dependent Dynamic Behavior. Angewandte Chemie - International Edition, 2004, 43, 5033-5036.	7.2	1,094
90	Microporous Manganese Formate:Â A Simple Metalâ^Organic Porous Material with High Framework Stability and Highly Selective Gas Sorption Properties. Journal of the American Chemical Society, 2004, 126, 32-33.	6.6	929

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91	Three-dimensional metalâ€“organic framework with (3,4)-connected net, synthesized from an ionic liquid medium. Chemical Communications, 2004, , 1594-1595.	2.2	223
92	Title is missing!. Russian Chemical Bulletin, 2003, 52, 1041-1060.	0.4	75
93	Preparation and Properties of the Aqua Ions [W4S4(H2O)12]n+(n= 5, 6) and Crystal Structure of (Me2NH2)6[W4S4(NCS)12]Â·0.5H2O#. Inorganic Chemistry, 2002, 41, 1136-1139.	1.9	13
94	Formation (and properties) of palladium derivatives of [Mo3Q4(H2O)9]4+: absence of similar derivatives of [W3Q4(H2O)9]4+ (Q = S, Se). Dalton Transactions RSC, 2002, , 138-143.	2.3	10
95	Supramolecular assemblies of [Mo3Se4Clx(H2O)9â˜’x](4â˜’x)+ with cucurbituril; complementarity control through the variation of x. Inorganica Chimica Acta, 2002, 331, 31-38.	1.2	25
96	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1800-1805.	0.4	2
97	Phosphorous Acid and Arsenious Acid as Ligands. Inorganic Chemistry, 2001, 40, 4816-4817.	1.9	51
98	Title is missing!. Russian Chemical Bulletin, 2001, 50, 1144-1147.	0.4	7
99	Title is missing!. Journal of Structural Chemistry, 2001, 42, 319-321.	0.3	6
100	Metal Incorporation into and Dimerization of M3E4 Clusters (M=Mo, W; E=S, Se) in Supramolecular Assemblies with Cucurbituril: A Molecular Model of Intercalation. Angewandte Chemie - International Edition, 2000, 39, 1659-1661.	7.2	53
101	A supramolecular approach to the crystallization of chalcogenido bridged cluster aqua ions: synthesis and structure of a cucurbituril adduct of the di-Î¼-disulfido Nb(IV)2 aqua ion [Nb2(Î¼-S2)2(H2O)8]4+. Inorganica Chimica Acta, 2000, 304, 301-304.	1.2	16
102	Unexpected guest-controlled formation of two-layered structure in supramolecular adduct of [W3S4(H2O)9]4+ and cucurbituril. Inorganic Chemistry Communication, 2000, 3, 345-349.	1.8	24
103	Supramolecular Assemblies Based on Cucurbituril Adducts of Hydrogen-Bonded Molybdenum and Tungsten Incomplete Cuboidal Aqua Complexes. Inorganic Chemistry, 2000, 39, 2227-2230.	1.9	57
104	Preparation, Structure, and Reactivity of Heterometallic Sn-Containing Single- and Double-Cube Derivatives of [Mo3Se4(H2O)9]4+and [W3Se4(H2O)9]4+. Inorganic Chemistry, 1998, 37, 2995-3001.	1.9	36
105	Electrical Conductivity of Nanodimensional Polyaniline Particles in Nanoporous Dielectric Matrix of MIL-101. Advanced Materials Research, 0, 699, 238-244.	0.3	0
106	Comparison of Current-Voltage Characteristics of Bulk Polyaniline and Nano Dimensional Polyaniline Particles in Nanoporous Dielectric Matrix of MIL-101. Advanced Materials Research, 0, 711, 8-13.	0.3	0