

Bulat M Gabidullin

List of Publications by Year in descending order

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361045

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times ranked

1680
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#	ARTICLE	IF	CITATIONS
1	A Luminescent Thermometer Exhibiting Slow Relaxation of the Magnetization: Toward Self-Monitored Building Blocks for Next-Generation Optomagnetic Devices. <i>ACS Central Science</i> , 2019, 5, 1187-1198.	5.3	113
2	Zinc-Catalyzed Hydrosilylation and Hydroboration of N-Heterocycles. <i>ACS Catalysis</i> , 2017, 7, 8454-8459.	5.5	77
3	Efficient and Selective Iron-Complex-Catalyzed Hydroboration of Aldehydes. <i>ACS Catalysis</i> , 2018, 8, 1076-1081.	5.5	71
4	Oxidative Cleavage of C=S and P=S Bonds at an Al ^I Center: Preparation of Terminally Bound Aluminum Sulfides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13306-13311.	7.2	61
5	Selective Copper Complex-Catalyzed Hydrodefluorination of Fluoroalkenes and Allyl Fluorides: A Tale of Two Mechanisms. <i>Journal of the American Chemical Society</i> , 2019, 141, 11506-11521.	6.6	42
6	2,3,5,6-Tetra(1 <i>H</i> -tetrazol-5-yl)pyrazine: A Thermally Stable Nitrogen-Rich Energetic Material. <i>ACS Applied Energy Materials</i> , 2018, 1, 589-593.	2.5	41
7	Ru ^{II} -Catalyzed Transfer Hydrogenation of Nitriles, Aromatics, Olefins, Alkynes and Esters. <i>ChemCatChem</i> , 2018, 10, 4860-4869.	1.8	41
8	Oxidative Cleavage of the C-N Bond on Al(I). <i>Journal of the American Chemical Society</i> , 2017, 139, 8804-8807.	6.6	37
9	Comparing the Halogen Bond to the Hydrogen Bond by Solid-State NMR Spectroscopy: Anion Coordinated Dimers from 2- and 3-Iodoethynylpyridine Salts. <i>Chemistry - A European Journal</i> , 2018, 24, 11364-11376.	1.7	35
10	¹³ C and ¹⁹ F solid-state NMR and X-ray crystallographic study of halogen-bonded frameworks featuring nitrogen-containing heterocycles. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 157-167.	0.2	34
11	Prospects for ²⁰⁷ Pb solid-state NMR studies of lead tetrel bonds. <i>Faraday Discussions</i> , 2017, 203, 165-186.	1.6	31
12	Selective Activation of Fluoroalkenes with N-Heterocyclic Carbenes: Synthesis of N-Heterocyclic Fluoroalkenes and Polyfluoroalkenyl Imidazolium Salts. <i>Chemistry - A European Journal</i> , 2016, 22, 8063-8067.	1.7	30
13	Unusual Reactions of Na ₂ C ₂ Al with Urea and Phosphine Oxides. <i>Inorganic Chemistry</i> , 2017, 56, 5993-5997.	1.9	29
14	Nickel Fluorocarbene Metathesis with Fluoroalkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5772-5776.	7.2	25
15	Imino-stabilised phosphinidene (or azaphosphole?) and some of its derivatives. <i>Dalton Transactions</i> , 2018, 47, 17011-17019.	1.6	25
16	Ge(0) Compound Stabilized by a Diimino-Carbene Ligand: Synthesis and Ambiphilic Reactivity. <i>Journal of the American Chemical Society</i> , 2020, 142, 5852-5861.	6.6	25
17	Iron(II) Complexes of a Hemilabile SNS Amido Ligand: Synthesis, Characterization, and Reactivity. <i>Inorganic Chemistry</i> , 2017, 56, 13766-13776.	1.9	22
18	Mechanochemistry and cocrystallization of 3-iodoethynylbenzoic acid with nitrogen-containing heterocycles: concurrent halogen and hydrogen bonding. <i>New Journal of Chemistry</i> , 2018, 42, 10493-10501.	1.4	22

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19	An integrated Re(Cp^*) photocatalyst/sensitizer that activates the formation of formic acid from reduction of CO_2 . <i>Chemical Communications</i> , 2019, 55, 11041-11044.	2.2	22
20	Sequential Oxidation and C-H Bond Activation at a Gallium(I) Center. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18102-18107.	7.2	21
21	Interaction of Multiple Bonds with NacNacGa: Oxidative Cleavage vs Coupling and Cyclization. <i>Inorganic Chemistry</i> , 2019, 58, 8665-8672.	1.9	21
22	One-step synthesis of rccc- and rctt-diastereomers of novel calix[4]resorcinols based on a para-thiophosphorylated derivative of benzaldehyde. <i>Tetrahedron Letters</i> , 2013, 54, 3538-3542.	0.7	20
23	A facile synthetic route to convert Tb(III) complexes of novel tetra-1,3-diketone calix[4]resorcinarene into hydrophilic luminescent colloids. <i>New Journal of Chemistry</i> , 2014, 38, 4130-4140.	1.4	20
24	Oxidative Cleavage of C=S and P=S Bonds at an Al ^I Center: Preparation of Terminally Bound Aluminum Sulfides. <i>Angewandte Chemie</i> , 2016, 128, 13500-13505.	1.6	20
25	A tunable lanthanide cubane platform incorporating air-stable radical ligands for enhanced magnetic communication. <i>Communications Chemistry</i> , 2018, 1, .	2.0	20
26	7-Metalla-1,4-diphosphanorbornadienes: cycloaddition of monovalent group 13 NacNac complexes to a stable 1,4-diphosphinine. <i>Dalton Transactions</i> , 2019, 48, 8248-8253.	1.6	20
27	Probing Magnetic Exchange Coupling in Supramolecular Squares Based on Reducible Tetrazine-Derived Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 4259-4263.	1.7	19
28	From discrete molecule, to polymer, to MOF: mapping the coordination chemistry of Cd ^{II} using ^{113}Cd solid-state NMR. <i>Chemical Communications</i> , 2016, 52, 10680-10683.	2.2	18
29	Generation of Hydrofluoronickelacycles from Trifluoroethylene and Ni(0): Ligand Effects on Regio-/Stereoselectivity and Reactivity. <i>Journal of the American Chemical Society</i> , 2017, 139, 4075-4086.	6.6	18
30	Unprecedented intramolecular pancake bonding in a $\{\text{Dy}_2\}$ single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2592-2601.	3.0	18
31	1,3,5-Tri(iodoethyl)-2,4,6-trifluorobenzene: halogen-bonded frameworks and NMR spectroscopic analysis. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 153-162.	0.5	17
32	Unprecedented Octanuclear Dy ^{III} Cluster Exhibiting Single-Molecule Magnet Behavior. <i>Crystal Growth and Design</i> , 2017, 17, 5044-5048.	1.4	17
33	Metal Heptafluoroisopropyl (M-hfip) Complexes for Use as hfip Transfer Agents. <i>Organometallics</i> , 2018, 37, 422-432.	1.1	17
34	Single-Crystal NMR Characterization of Halogen Bonds. <i>Journal of Physical Chemistry A</i> , 2019, 123, 6194-6209.	1.1	17
35	Iron-SNS and -CNS Complexes: Selective C _{aryl} -S Bond Cleavage and Amine-Borane Dehydrogenation Catalysis. <i>Organometallics</i> , 2019, 38, 3844-3851.	1.1	16
36	Visible-Light Photocatalytic Reduction of CO_2 to Formic Acid with a Ru Catalyst Supported by N, N'-bis(diphenylphosphino)-2,6-diaminopyridine Ligands. <i>ChemSusChem</i> , 2019, 12, 3453-3457.	3.6	15

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37	New Calix[4]Resorcinols with Thiophosphoryl-Containing Fragments. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1972-1980.	0.8	14
38	Photocatalytic CO ₂ Reduction with Manganese Complexes Bearing a λ^2 -PN Ligand: Breaking the λ^2 -Diimine Hold on Group 7 Catalysts and Switching Selectivity. Inorganic Chemistry, 2018, 57, 13092-13096.	1.9	14
39	Transition-Metal-Free Formation of C-E Bonds (E = C, N, O, S) and Formation of C-M Bonds (M = Mn, Ti, Zr, Hf, Nb, Ta, W, Mo, Cr, Co, Ni, Pd, Pt, Au, Ag, Cu, Zn, Cd, Hg, Pb, Bi, Sb, Sn, Te, Se, Te, Po, At, Rn, Fr, Ac, Th, Pa, U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr). Organometallics, 2017, 36, 849-857.	1.1	12
40	Synthesis of novel highly functionalized triazole-linked calix[4]resorcinols via click reaction. Mendeleev Communications, 2017, 27, 556-558.	0.6	12
41	Employing a neutral λ^3 -pincer to access mer-Re(I) tricarbonyl complexes: Autoionization of a halo ligand and the role of an N-R (R = H, Me) substituent. Polyhedron, 2018, 143, 62-69.	1.0	12
42	Nickel Fluorocarbene Metathesis with Fluoroalkenes. Angewandte Chemie, 2018, 130, 5874-5878.	1.6	11
43	Probing Optical Anisotropy and Polymorph-Dependent Photoluminescence in [Ln ₂] Complexes by Hyperspectral Imaging on Single Crystals. Chemistry - A European Journal, 2018, 24, 10146-10155.	1.7	11
44	New bifunctional compounds obtained by selective hydrolysis of tetrathiacalix[4]arene tetraethyl esters with Cs ₂ CO ₃ . Tetrahedron Letters, 2012, 53, 3135-3139.	0.7	10
45	Thiophosphorylated derivatives of meta- and ortho-hydroxybenzaldehydes in one-step syntheses of novel calix[4]resorcinols. Tetrahedron Letters, 2014, 55, 7209-7214.	0.7	10
46	[Ln ₁₆] complexes (Ln = Gd ^{III} , Dy ^{III}): molecular analogues of natural minerals such as hydrotalcite. Dalton Transactions, 2018, 47, 12847-12851.	1.6	10
47	Applying thieno[3,2-b]thiophene as a building block in the design of rigid extended thienoacenes. RSC Advances, 2016, 6, 97420-97429.	1.7	9
48	Electro- and Photocatalytic Generation of H ₂ Using a Distinctive Co ^{II} λ^3 -PN ₃ -Pincer Supported Complex with Water or Saturated Saline as a Hydrogen Source. Chemistry - A European Journal, 2017, 23, 16763-16767.	1.7	9
49	Shedding Light on the Diverse Reactivity of NacnacAl with N-Heterocycles. Angewandte Chemie - International Edition, 2020, 59, 16147-16153.	7.2	9
50	The role of preorganization of hydrazone moieties on tetrathiacalix[4]arene platform for their conformational and binding properties from the view of structural investigation. Journal of Molecular Structure, 2011, 1001, 125-133.	1.8	8
51	Probing the Coordination Chemistry of N-2-Pyridylimidoyl-2-pyridylamidine: A Versatile Ligand with Multiple Coordination Sites. Crystal Growth and Design, 2017, 17, 6572-6578.	1.4	8
52	Reversible Redox, Spin Crossover, and Superexchange Coupling in 3 <i>d</i> Transition-Metal Complexes of Bis-azinylnyl Analogues of 2,2':6',2''-terpyridine. European Journal of Inorganic Chemistry, 2018, 2018, 1212-1223.	1.8	8
53	Synthesis and Investigation of 2,3,5,6-Tetra-(1 <i>H</i> -tetrazol-5-yl)pyrazine Based Energetic Materials. ChemPlusChem, 2018, 83, 984-990.	1.3	8
54	Mechanochemical Preparations of Anion Coordinated Architectures Based on 3-iodoethynylpyridine and 3-iodoethynylbenzoic Acid. ChemistryOpen, 2019, 8, 1328-1336.	0.9	8

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55	Synthesis and reactivity of perfluoroferracyclocarbenes. <i>Polyhedron</i> , 2020, 185, 114587.	1.0	8
56	Distinct Palladium(II) Carbene Complexes Supported by Six-Membered 1,3-Disubstituted Permidein-2-ylidene, Six-Membered N-Heterocyclic Carbenes. <i>ACS Omega</i> , 2018, 3, 6587-6594.	1.6	7
57	A closer look at the reactivity between N-heterocyclic carbenes and fluoroalkenes. <i>Journal of Fluorine Chemistry</i> , 2017, 203, 81-89.	0.9	6
58	Neutral and anionic zinc compounds supported by a bis(imino)phenyl NCN ligand. <i>Dalton Transactions</i> , 2018, 47, 4607-4612.	1.6	6
59	Reaction of CO ₂ with a Vanadium(II) Aryl Oxide: Synergistic Activation of CO ₂ /Oxo Groups towards H-Atom Radical Abstraction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10928-10932.	7.2	6
60	Linear End-On Coordination Modes of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14887-14890.	7.2	6
61	Asymmetric Ring Opening in a Tetrazine-Based Ligand Affords a Tetranuclear Opto-Magnetic Ytterbium Complex. <i>Chemistry - A European Journal</i> , 2021, 27, 2361-2370.	1.7	6
62	Reaction of CO ₂ with a Vanadium(II) Aryl Oxide: Synergistic Activation of CO ₂ /Oxo Groups towards H-Atom Radical Abstraction. <i>Angewandte Chemie</i> , 2018, 130, 11094-11098.	1.6	5
63	Synthesis and Reactivity of Mn ^{II} -CF ₃ Complexes. <i>Inorganics</i> , 2019, 7, 3.	1.2	4
64	Two-step catalytic dehydrogenation of formic acid to CO ₂ via formaldehyde. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1534-1543.	3.8	4
65	Shedding Light on the Diverse Reactivity of NaCnacAl with N-Heterocycles. <i>Angewandte Chemie</i> , 2020, 132, 16281-16287.	1.6	4
66	Electrocatalytic reduction of CO ₂ to CO and HCO ₂ ⁻ with Zn(<i>scp</i>) complexes displaying cooperative ligand reduction. <i>Chemical Communications</i> , 2021, 57, 9292-9295.	2.2	4
67	Electrocatalytic H ₂ Generation from Water Relying on Cooperative Ligand Electron Transfer in a PN ₃ Pincer-Supported Ni(II) Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 13518-13522.	1.7	4
68	Alkyl-functionalization of 3,5-bis(2-pyridyl)-1,2,4,6-thiatriazine. <i>New Journal of Chemistry</i> , 2016, 40, 4472-4479.	1.4	3
69	Tetrazine-Based Ligand Transformation Driving Metal-Metal Bond and Mixed-Valence Hg ^I /Hg ^{II} . <i>ACS Omega</i> , 2018, 3, 10273-10277.	1.6	3
70	N,N'-Diamidonaphthalene as a Versatile Ligand to Stabilize Mono- and Bimetallic Complexes of Group 13. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2702-2708.	1.0	3
71	Rational Design of Tetranuclear Complexes Employing N-Midoylamidine Based Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 963-972.	1.0	3
72	Exploring the coordination chemistry of terpy-type boratriazine chelates through a series of mononuclear iron(III) complexes. <i>Polyhedron</i> , 2019, 162, 8-13.	1.0	3

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73	New phosphorus-containing calix[4]pyridine based on para -thiophosphorylated derivative of benzaldehyde. Mendeleev Communications, 2017, 27, 287-289.	0.6	2
74	Synthesis, structure and coordination properties of novel bifunctional carboxylic derivatives of 1,3-alternate tetrathiacalix[4]arene. RSC Advances, 2016, 6, 19531-19544.	1.7	1
75	S-Functionalization of 3,5-bis(2-pyridyl)-1,2,4,6-thiatriazine: probing the effect of alkyl chain length in the development of tethered materials. New Journal of Chemistry, 2017, 41, 2268-2276.	1.4	1
76	Dimers, monomers and pentacoordination in a series of earth-abundant transition metal dibromido complexes supported by a neutral SNS ligand framework. Polyhedron, 2018, 154, 252-258.	1.0	1
77	3-(1,2,2-Triiodoethenyl)benzoic acid. IUCrData, 2018, 3, .	0.1	1
78	Linear End-on Coordination Modes of CO ₂ . Angewandte Chemie, 2019, 131, 15029-15032.	1.6	0
79	Innentitelbild: Linear End-on Coordination Modes of CO ₂ (Angew. Chem. 42/2019). Angewandte Chemie, 2019, 131, 14918-14918.	1.6	0