

Ghenadie Novitchi

List of Publications by Year in descending order

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91
papers

2,921
citations

172457

29
h-index

182427

51
g-index

93
all docs

93
docs citations

93
times ranked

3231
citing authors

#	ARTICLE	IF	CITATIONS
1	An Octanuclear [Cr ^{III} ₄ Dy ^{III} ₄] 3d ⁴ f Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7583-7587.	13.8	256
2	Supramolecular ∞ -Double-Propeller-Dimers of Hexanuclear Cu ^{II} /Ln ^{III} Complexes: A {Cu ₃ Dy ₃ } ₂ Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1614-1619.	13.8	191
3	Heterometallic CuII/DyIII 1D chiral polymers: chirogenesis and exchange coupling of toroidal moments in trinuclear Dy ₃ single molecule magnets. <i>Chemical Science</i> , 2012, 3, 1169.	7.4	146
4	Synthesis, Structure, and Magnetic Properties of Heterometallic Dicyanamide-Bridged Cu ^{II} -Na and Cu ^{II} -Gd One-Dimensional Polymers. <i>Inorganic Chemistry</i> , 2004, 43, 7792-7799.	4.0	145
5	A Top-Down Synthesis Route to Ultrasmall Multifunctional Gd-Based Silica Nanoparticles for Theranostic Applications. <i>Chemistry - A European Journal</i> , 2013, 19, 6122-6136.	3.3	115
6	Probing Lanthanide Anisotropy in Fe ^{II} -Ln Aggregates by Using Magnetic Susceptibility Measurements and ⁵⁷ Fe Mössbauer Spectroscopy. <i>Chemistry - A European Journal</i> , 2009, 15, 7278-7282.	3.3	95
7	Hetero di- and trinuclear Cu ^{II} -Gd complexes with trifluoroacetate bridges: synthesis, structural and magnetic studies. <i>Dalton Transactions</i> , 2004, , 1194-1200.	3.3	86
8	Heterometallic 20-membered {Fe ₁₆ Ln ₄ } (Ln = Sm, Eu, Gd, Tb, Dy, Ho) metallo-ring aggregates. <i>Dalton Transactions</i> , 2011, 40, 4080.	3.3	84
9	Di- or Trinuclear 3d ⁴ f Schiff Base Complexes: The Role of Anions. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 5235-5244.	2.0	73
10	λ - and δ -Proline Thiosemicarbazone Conjugates: Coordination Behavior in Solution and the Effect of Copper(II) Coordination on Their Antiproliferative Activity. <i>Inorganic Chemistry</i> , 2012, 51, 9309-9321.	4.0	64
11	A single molecule magnet (SMM) with a helicate structure. <i>New Journal of Chemistry</i> , 2008, 32, 197-200.	2.8	60
12	Synthesis and Structure of 1-D Heterometallic Thiocyanato-Bridged CuII/GdIII Polymers with Ferromagnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1808-1812.	2.0	59
13	Benzoxazole-Based Heterometallic Dodecanuclear Complex [Dy ^{III} ₄ Cu ^{II} ₈] with Single-Molecule-Magnet Behavior. <i>Inorganic Chemistry</i> , 2011, 50, 7373-7375.	4.0	58
14	Ferromagnetic heteronuclear {Fe ₄ (Er,Lu) ₂ } cyclic coordination clusters based on ferric wheels. <i>Chemical Communications</i> , 2012, 48, 9825.	4.1	56
15	Magnetic anisotropy and exchange coupling in a family of isostructural FeIII ₂ LnIII ₂ complexes. <i>Dalton Transactions</i> , 2013, 42, 8926.	3.3	53
16	Synthesis and Characterization of Multinuclear Manganese-Containing Tungstosilicates. <i>Inorganic Chemistry</i> , 2014, 53, 5663-5673.	4.0	49
17	Vanadium(V) Complexes with Substituted 1,5-bis(2-hydroxybenzaldehyde)carbohydrazones and Their Use As Catalyst Precursors in Oxidation of Cyclohexane. <i>Inorganic Chemistry</i> , 2016, 55, 9187-9203.	4.0	49
18	Di-, tetra- and hexanuclear iron(III), manganese(II/III) and copper(II) complexes of Schiff-base ligands derived from 6-substituted-2-formylphenols. <i>Dalton Transactions</i> , 2009, , 1721.	3.3	47

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19	Macrocyclic and Open-Chain CuII-4f (4f = GdIII, CeIII) Complexes with Planar Diamino Chains: Structures and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1530-1537.	2.0	44
20	Structure-activity studies on α -proline- and homoproline-4-N-pyrrolidine-3-thiosemicarbazone hybrids and their nickel(II), palladium(II) and copper(II) complexes. <i>Dalton Transactions</i> , 2016, 45, 13427-13439.	3.3	44
21	From Positive to Negative Zero-Field Splitting in a Series of Strongly Magnetically Anisotropic Mononuclear Metal Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 14809-14822.	4.0	42
22	Lanthanide Triangles Sandwiched by Tetranuclear Copper Complexes Afford a Family of Hendecanuclear Heterometallic Complexes [Ln ^{III} ₃ Cu ^{II} ₈] (Ln = La-Lu): Synthesis and Magnetostructural Studies. <i>Inorganic Chemistry</i> , 2013, 52, 8723-8731.	4.0	41
23	A Three-Pronged Attack To Investigate the Electronic Structure of a Family of Ferromagnetic Fe ₄ Ln ₂ Cyclic Coordination Clusters: A Combined Magnetic Susceptibility, High-Field/High-Frequency Electron Paramagnetic Resonance, and ⁵⁷ Fe Mössbauer Study. <i>Inorganic Chemistry</i> , 2017, 56, 4796-4806.	4.0	41
24	Striking Difference in Antiproliferative Activity of Ruthenium- and Osmium-Nitrosyl Complexes with Azole Heterocycles. <i>Inorganic Chemistry</i> , 2013, 52, 6273-6285.	4.0	39
25	Catalytic π -binding of iron in task-specific ionic liquids. <i>Chemical Communications</i> , 2013, 49, 1915.	4.1	36
26	Tetranuclear Copper(II) Complexes with Macrocyclic and Open-Chain Disiloxane Ligands as Catalyst Precursors for Hydrocarboxylation and Oxidation of Alkanes and 1-Phenylethanol. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4946-4956.	2.0	35
27	Di- and Triheteronuclear Cu ^{II} Gd and Cu ^{II} Gd ^{III} Cu Complexes with Dissymmetric Double Bridge. <i>Inorganic Chemistry</i> , 2008, 47, 6444-6451.	4.0	34
28	Polynuclear Complex Family of Cobalt(II)/Sulfonylcalixarene: One-Pot Synthesis of Cluster Salt [Co ^{II}] ₄ [Co ^{II}] ₂ and Field-Induced Slow Magnetic Relaxation in a Six-Coordinate Dinuclear Cobalt(II)/Sulfonylcalixarene Complex. <i>Inorganic Chemistry</i> , 2014, 53, 63-72.	4.0	34
29	A new synthetic route towards binuclear 3d ⁴ f complexes, using non-compartmental ligands derived from o-vanillin. Syntheses, crystal structures, magnetic and luminescent properties. <i>New Journal of Chemistry</i> , 2013, 37, 2280.	2.8	29
30	Tetranuclear manganese(II) complexes of sulfonylcalix[4]arene macrocycles: synthesis, structure, spectroscopic and magnetic properties. <i>Dalton Transactions</i> , 2012, 41, 2707.	3.3	28
31	Evolution of the Structural Parameters and Magnetic Properties in a Series of Di(η^5 -hydroxy)bis(nitritotriacetato)dichromium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 929-937.	2.0	26
32	Flexible linkers and dinuclear metallic nodes build up an original metal-organic framework. <i>CrystEngComm</i> , 2013, 15, 5368.	2.6	26
33	Mechanism Elucidation of the <i>cis</i> -to- <i>trans</i> Isomerization of an Azole Ruthenium-Nitrosyl Complex and Its Osmium Counterpart. <i>Inorganic Chemistry</i> , 2013, 52, 6260-6272.	4.0	26
34	Ein achtkerniger [Cr ^{III} ₄ Dy ^{III} ₄] ₃ 4f-Einzelmolekülmagnet. <i>Angewandte Chemie</i> , 2010, 122, 7746-7750.	2.0	25
35	Structural determinations, magnetic and EPR studies of complexes involving the Cr(OH)2Cr unit. <i>Inorganica Chimica Acta</i> , 2008, 361, 1947-1957.	2.4	23
36	NMR Study of Ligand Exchange and Electron Self-Exchange between Oxo-Centered Trinuclear Clusters [Fe ₃ (η^5 -O)(η^5 -O) ₂ CR] ₆ (4-R ² py) ₃ . <i>Inorganic Chemistry</i> , 2011, 50, 10402-10416.	2.0	22

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37	A series of three-dimensional lanthanide MOFs: Observation of reversible structural changes controlled by solvent desorption/adsorption, and magnetic properties. <i>Journal of Molecular Structure</i> , 2011, 1004, 82-87.	3.6	22
38	Dicopper(II) and Dizinc(II) Complexes with Nonsymmetric Dinucleating Ligands Based on Indolo[3,2- <i>c</i>]quinolines: Synthesis, Structure, Cytotoxicity, and Intracellular Distribution. <i>Inorganic Chemistry</i> , 2013, 52, 10137-10146.	4.0	22
39	Evidence of slow relaxation of magnetization in dysprosium-based ionic liquids. <i>Chemical Communications</i> , 2013, 49, 9215.	4.1	20
40	Size-induced effect upon the Néel temperature of the antiferro/paramagnetic transition in gadolinium oxide nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 215-219.	2.3	19
41	A versatile ethanolamine-derived trifluoromethyl enaminone ligand for the elaboration of nickel(II) and copper(II)-dysprosium(III) multinuclear complexes with magnetic properties. <i>Journal of Fluorine Chemistry</i> , 2015, 179, 169-174.	1.7	19
42	Homometallic Fe ^{III} ₄ and Heterometallic {Fe ^{III} ₄ Ln ^{III} ₂ } (Ln = Dy, Tb) Complexes – Syntheses, Structures, and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 156-165.	2.0	19
43	Isomerization Mechanisms of Stereolabile <i>tris</i> - and <i>bis</i> -Bidentate Octahedral Cobalt(II) Complexes: X-ray Structure and Variable Temperature and Pressure NMR Kinetic Investigations. <i>Inorganic Chemistry</i> , 2010, 49, 4194-4211.	4.0	18
44	Mechanism of Pyridine Ligand Exchanges at the Different Labile Sites of 3d Heterometallic and Mixed Valence μ_3 -oxo Trinuclear Clusters. <i>Inorganic Chemistry</i> , 2008, 47, 10587-10599.	4.0	17
45	[Cu(N3)(p-CPA)] _n : a two dimensional network exhibiting spin reorientation. <i>CrystEngComm</i> , 2009, 11, 2084.	2.6	17
46	1D Coll and NiII Chiral Polymers That Exhibit Ferromagnetic Interactions. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4869-4877.	2.0	17
47	Synthesis, magnetism and Mössbauer studies of tetranuclear heterometallic {Fe ^{III} ₂ Ln ^{III} ₂ } (Ln = Gd, Dy, Tb) complexes: evidence of slow relaxation of magnetization in the terbium analogue. <i>Dalton Transactions</i> , 2014, 43, 16366-16376.	3.3	17
48	Syntheses, structures and magnetic studies of three heterometallic Fe ₂ Ln 1D coordination polymers. <i>Polyhedron</i> , 2009, 28, 1782-1787.	2.2	16
49	Quenching of Fluorescence in Bodipy-Derived Trifluoromethyl Enaminone Ligands upon Coordination to Copper(II). <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 6185-6195.	2.0	16
50	Heptanickel(ⁱⁱ) double-cubane core in wells-dawson heteropolytungstate, [Ni ₇ (OH) ₆ (H ₂ O) ₆ (P ₂ W ₁₅ O ₅₆) ₂]. <i>Chemical Communications</i> , 2016, 52, 2601-2604.	4.1	16
51	Filling the Gap in Extended Metal Atom Chains: Ferromagnetic Interactions in a Tetrairon(II) String Supported by Oligo- π -pyridylamido Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 5438-5448.	4.0	16
52	2D coordination polymers of Nd(III) and Gd(III) with the phenoxyacetate ligand. <i>Inorganica Chimica Acta</i> , 2005, 358, 4437-4442.	2.4	15
53	Tailoring antibacteria agents: Sulfonamide-based dinuclear and 1D polymer Cu(II) complexes. <i>Polyhedron</i> , 2012, 37, 27-34.	2.2	15
54	A Bis(μ -chlorido)-Bridged Cobalt(II) Complex with Silyl-Containing Schiff Base as a Catalyst Precursor in the Solvent-Free Oxidation of Cyclohexane. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4324-4332.	2.0	15

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55	Heterometallic M ₂ Cr ₄ (MII = Sr, Pb) Clusters Assembled by Tris(1/4-aqua) Bridges. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1778-1783.	2.0	13
56	Inelastic Neutron Scattering on an Mn ₁₀ Supertetrahedron: Assessment of Exchange Coupling Constants, Ferromagnetic Spin Waves and an Analogy to the Hückel Method. <i>Chemistry - A European Journal</i> , 2011, 17, 9094-9106.	3.3	13
57	An iron(III)-centred ferric wheel Fe ₆ with a siloxane-based bis-salicylidene Schiff base. <i>Dalton Transactions</i> , 2017, 46, 1789-1793.	3.3	13
58	Transition metal complexes of a versatile polyalkoxy oxazolidine-based ligand derived from in situ cyclization. <i>Dalton Transactions</i> , 2018, 47, 6156-6165.	3.3	13
59	Cation-Directed Synthetic Strategy Using 4f Tungstoantimonates as Nonlacunary Precursors for the Generation of 3d ⁴ 4f Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 8461-8467.	4.0	13
60	Exchange interaction and spin dynamics in pentanuclear clusters, Cu ₃ Ln ₂ (ClCH ₂ COO) ₁₂ (H ₂ O) ₈ (Ln =) Tj ETQq0 0,0,rgBT /Overlock 10	1.2	12
61	Richness of isomerism in labile octahedral Werner-type cobalt(II) complexes demonstrated by ¹⁹ F NMR spectroscopy: structure and stability. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 801-806.	1.9	12
62	Magnetic ordering of Ni ₄ Cubane complexes through hydrogen bonds. <i>Comptes Rendus Chimie</i> , 2012, 15, 849-855.	0.5	12
63	Investigation of the cytotoxic potential of methyl imidazole-derived thiosemicarbazones and their copper(II) complexes with dichloroacetate as a co-ligand. <i>New Journal of Chemistry</i> , 2019, 43, 1340-1357.	2.8	12
64	Helical 1D Coordination Polymers Structure and Magnetic Properties of		

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73	Synthesis and characterization of new heterodinuclear (4f, 4f ²) lanthanide complexes. <i>Journal of Alloys and Compounds</i> , 2004, 374, 377-381.	5.5	8
74	Chiral single-molecule magnet with a 35 K energy barrier for relaxation of the magnetization. <i>Comptes Rendus Chimie</i> , 2012, 15, 937-942.	0.5	8
75	Synthesis, Crystal Structure, and Magnetic Properties of a Bis μ -Bridged Iron(III) Complex with <i>p</i> -Sulfonatocalix[4]arene. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2652-2656.	2.0	7
76	Osmium μ -Nitrosyl Oxalato μ -Bridged Lanthanide μ -Centered Pentanuclear Complexes Synthesis, Crystal Structures and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1616-1624.	2.0	7
77	Ruthenium Carbonyl Complexes with Azole Heterocycles Synthesis, X-ray Diffraction Structures, DFT Calculations, Solution Behavior, and Antiproliferative Activity. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1566-1576.	2.0	7
78	Design of Fe ^{III} μ -Ln ^{III} binuclear complexes using compartmental ligands: synthesis, crystal structures, magnetic properties, and <i>ab initio</i> analysis. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10912-10926.	5.5	7
79	The Ruthenium Nitrosyl Moiety in Clusters: Trinuclear Linear μ_3 -Hydroxido Magnesium(II)-Diruthenium(II), μ_3 -Oxido Trinuclear Diiron(III) μ -Ruthenium(II), and Tetranuclear μ_4 -Oxido Trigallium(III)-Ruthenium(II) Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 950-967.	4.0	7
80	Effects of Terminal Substitution and Iron Coordination on Antiproliferative Activity of <i>l</i> -Proline-salicylaldehyde-Thiosemicarbazone Hybrids. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4773-4783.	2.0	6
81	Synthesis and Structure of Co(III) Complexes with 2-Pyridinecarboxylic Acid. <i>Russian Journal of Inorganic Chemistry</i> , 2008, 53, 202-208.	1.3	5
82	Synthesis, structural characterization, magnetic and EPR studies of heterometallic Cu ₂ Cr ₂ and Cu ₂ Ga ₂ complexes. <i>Polyhedron</i> , 2012, 45, 238-244.	2.2	5
83	New Cyanido-Bridged Heterometallic 3d-4f 1D Coordination Polymers: Synthesis, Crystal Structures and Magnetic Properties. <i>Magnetochemistry</i> , 2021, 7, 57.	2.4	5
84	Exploring the coordination abilities of 1,5-diisopropyl-3-(4-carboxyphenyl)-6-oxoverdazyl. <i>Comptes Rendus Chimie</i> , 2019, 22, 541-548.	0.5	4
85	Nanoscale Coordination Polymer of Dimanganese(II) as Infinite, Flexible Nanosheets with Photo-Switchable Morphology. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2043-2054.	2.0	4
86	Isomerization Mechanisms of a Labile Co(II) Octahedral Complex. <i>Chimia</i> , 2006, 60, 224-227.	0.6	3
87	Heterometallic compounds with the binuclear complex anion [Cr ₂ (OH)(Ac)(Nta) ₂] ²⁻ : Synthesis and structure. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009, 35, 817-823.	1.0	2
88	Synthesis, structures, and magnetic properties of Fe ₄ -Ln ₂ (Ln = Tb, Ho, and Er) clusters with N, N, N'-tetrakis-(2-hydroxyethyl)ethylenediamine. <i>Inorganica Chimica Acta</i> , 2022, 537, 120920.	2.4	2
89	Geometric Isomers of Cobalt(II) and Cobalt(III) Picolinates in Solution. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2001, 27, 722-725.	1.0	1
90	Ferromagnetic Interaction between Copper and Terbium Ions in Pentanuclear Cluster [Cu ₃ Tb ₂ (ClCH ₂ COO) ₁₂ (H ₂ O) ₈] \cdot 2H ₂ O. <i>Applied Magnetic Resonance</i> , 2008, 33, 73-84.	1.2	1

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91	Twisting induces ferromagnetism in homometallic clusters. Dalton Transactions, 2017, 46, 11154-11158.	3.3	1