

Gregory A Farnum

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Inducible lac Operator-Repressor System Is Functional in Zebrafish Cells. <i>Frontiers in Genetics</i> , 2021, 12, 683394.	1.1	0
2	Diverse stacked and entangled topologies in cadmium tricarboxylate coordination polymers with nitrobenzene detection capability. <i>Inorganica Chimica Acta</i> , 2019, 485, 9-19.	1.2	7
3	Pathogenicity in POLG syndromes: DNA polymerase gamma pathogenicity prediction server and database. <i>BBA Clinical</i> , 2017, 7, 147-156.	4.1	32
4	Protein-altering and regulatory genetic variants near GATA4 implicated in bicuspid aortic valve. <i>Nature Communications</i> , 2017, 8, 15481.	5.8	90
5	Reprint of: Divalent metal diphenate dipyridylamine coordination polymers: Supramolecular polytypism and a rare 5-connected topology based on arc-like hexanuclear clusters. <i>Polyhedron</i> , 2016, 114, 459-471.	1.0	1
6	Divalent metal diphenate dipyridylamine coordination polymers: Supramolecular polytypism and a rare 5-connected topology based on arc-like hexanuclear clusters. <i>Polyhedron</i> , 2015, 89, 168-181.	1.0	3
7	Mapping 136 pathogenic mutations into functional modules in human DNA polymerase γ establishes predictive genotype-phenotype correlations for the complete spectrum of POLG syndromes. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1113-1121.	0.5	38
8	Predictive clustering of POLG disease mutations into functional modules in the human mitochondrial replicase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e58.	0.5	0
9	The N-terminal Domain of the Drosophila Mitochondrial Replicative DNA Helicase Contains an Iron-Sulfur Cluster and Binds DNA. <i>Journal of Biological Chemistry</i> , 2014, 289, 24032-24042.	1.6	16
10	Parallel chain polyrotaxane, layer, and diamondoid divalent metal coordination polymers containing para aromatic dicarboxylate and bis(4-pyridylmethyl)piperazine ligands. <i>Inorganica Chimica Acta</i> , 2013, 406, 65-72.	1.2	10
11	Divalent metal homophthalate coordination polymers with long-spanning dipyridyl ligands containing piperazine moieties. <i>Inorganica Chimica Acta</i> , 2013, 403, 78-84.	1.2	8
12	Varied Layer Topologies in Luminescent Zinc Coordination Polymers with Flexible Aromatic ortho-Dicarboxylate and Dipyridyl Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2162-2170.	0.6	8
13	Biochemical Genetics of the Mitochondrial Replicase: Clustering of Pathogenic Mutations into Five Functional Modules in Human DNA Polymerase γ . <i>FASEB Journal</i> , 2012, 26, 739.5.	0.2	0
14	The N-terminal Primase-like Domain of the Drosophila Mitochondrial Replicative DNA Helicase Binds an Iron Sulfur Cluster: Structural and Functional Implications. <i>FASEB Journal</i> , 2012, 26, 739.6.	0.2	0
15	Tether Length Control of Topology in Cadmium 4-Methylphthalate Two-Dimensional Coordination Polymers: An Acentric Buckled Grid and a Rare Self-Catenated Layer. <i>Crystal Growth and Design</i> , 2011, 11, 678-683.	1.4	35
16	Divalent Metal Aliphatic Tricarboxylate Dipyridylamine Coordination Polymers with New or Rare Binodal Topologies. <i>Crystal Growth and Design</i> , 2011, 11, 4860-4875.	1.4	17
17	Zinc and cadmium flexible-arm ortho-dicarboxylate bis(pyridyl)piperazine coordination polymers with rare two- and three-dimensional topologies. <i>Inorganica Chimica Acta</i> , 2011, 375, 280-289.	1.2	15
18	Simple layered or complex self-penetrated networks in cadmium homophthalate coordination polymers containing 1,3-bis(4-pyridyl)propane. <i>Inorganica Chimica Acta</i> , 2011, 376, 590-597.	1.2	0

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19	Luminescent cadmium phenylenedipropionate coordination polymers with long-spanning dipyridine ligands. <i>Journal of Molecular Structure</i> , 2011, 998, 62-68.	1.8	10
20	Luminescent cadmium and zinc diphenate coordination polymers containing pyridyl-piperazine type ligands: Grids, diamondoid lattices, and a rare 4-connected net. <i>Inorganica Chimica Acta</i> , 2011, 368, 84-95.	1.2	22
21	Clustering of Alpers disease mutations and catalytic defects in biochemical variants reveal new features of molecular mechanism of the human mitochondrial replicase, Pol β . <i>Nucleic Acids Research</i> , 2011, 39, 9072-9084.	6.5	44
22	Zinc maleate and fumarate coordination polymers containing hydrogen-bonding capable organodiamines featuring ligand dependent in situ cis \leftrightarrow trans isomerization. <i>Inorganica Chimica Acta</i> , 2010, 363, 250-256.	1.2	17
23	Effect of pendant arm length and nitrogen donor disposition on the topology of luminescent cadmium phenylenedicarboxylate coordination polymers with bis(pyridylmethyl)piperazine co-ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 88-96.	1.2	30
24	Chiral and achiral layered divalent metal aromatic ortho-dicarboxylate coordination polymers with bis(4-pyridylmethyl)piperazine ligands: Luminescent behavior and magnetic properties. <i>Inorganica Chimica Acta</i> , 2010, 363, 3951-3958.	1.2	12
25	Zinc Tricarboxylate Coordination Polymers with a Threaded-Loop Self-Penetrated Layer and Triply Interpenetrated 3,4-Connected Binodal Network Structures: Topological Control through Anion Inclusion. <i>Crystal Growth and Design</i> , 2010, 10, 1897-1903.	1.4	42
26	Structure and physical properties of substituted malonate divalent metal coordination polymers with dipyridylamine co-ligands: acentric chain, herringbone layer, and novel binodal network topologies. <i>CrystEngComm</i> , 2010, 12, 888-897.	1.3	20
27	Counteranion and donor disposition effects on the topology of luminescent cadmium coordination polymers incorporating bis(pyridylmethyl)piperazine isomers. <i>Journal of Molecular Structure</i> , 2009, 927, 101-110.	1.8	11
28	Control of dimensionality through nitrogen donor disposition in divalent metal perchlorate bis(pyridylmethyl)piperazine coordination polymers. <i>Inorganica Chimica Acta</i> , 2009, 362, 3955-3962.	1.2	2
29	Silver nitrate molecular species and coordination polymers with divergent supramolecular morphology constructed from hydrogen-bonding capable dipyridyl ligands. <i>Polyhedron</i> , 2009, 28, 291-299.	1.0	17
30	4-(4-Pyridylamino)pyridinium perchlorate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o423-o423.	0.2	1
31	Bis(perchlorato- η^{O})tetrakis[1-(2-pyridyl)-4-(4-pyridylmethyl- η^{N})piperazine]cadmium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m274-m274.	0.2	0
32	1,4-Bis(4-pyridylmethyl)piperazin-1-ium perchlorate fumaric acid hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1817-o1817.	0.2	0
33	catena-Poly[[[(dimethylmalonato- η^{O}) O^{O}](perchlorato- η^{O})copper(II)]- $\frac{1}{4}$ -bis(3-pyridylmethyl)piperazinedium- η^{N} 1 N^{N} 4 N^{N}] perchlorate dihydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1524-m1524.	0.2	0
34	Poly[[diaquabis($\frac{1}{3}$ -maleato- η^{O} 1 O^{O} , 04:04 O^{O})dicopper(II)] trihydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1074-m1074.	0.2	1
35	Poly[4,4 N^{N} -iminodipyridinium [tetra- $\frac{1}{4}$ -oxido-tetraoxido-di- $\frac{1}{4}$ -phosphato- η^{O} 4 O^{O} : O^{O} O^{O} O^{O} O^{O} O^{O} -tetravanadium(V)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1602-m1602.	0.2	2
36	Bis(dimethylmalonato- η^{O} ²)bis[4-(4-pyridylamino- η^{N} ⁴)pyridinium]nickel(II) hexahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1603-m1603.	0.2	2