

Gregory A Farnum

List of Publications by Year in descending order

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36
papers

513
citations

623699

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times ranked

869
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Protein-altering and regulatory genetic variants near GATA4 implicated in bicuspid aortic valve. <i>Nature Communications</i> , 2017, 8, 15481. | 12.8 | 90 |
| 2 | Clustering of Alpers disease mutations and catalytic defects in biochemical variants reveal new features of molecular mechanism of the human mitochondrial replicase, Pol γ . <i>Nucleic Acids Research</i> , 2011, 39, 9072-9084. | 14.5 | 44 |
| 3 | Zinc Tricarballylate 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. | 3.0 | 42 |
| 4 | 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. | 1.0 | 38 |
| 5 | 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. | 3.0 | 35 |
| 6 | Pathogenicity in POLG syndromes: DNA polymerase gamma pathogenicity prediction server and database. <i>BBA Clinical</i> , 2017, 7, 147-156. | 4.1 | 32 |
| 7 | 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. | 2.4 | 30 |
| 8 | 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. | 2.4 | 22 |
| 9 | 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. | 2.6 | 20 |
| 10 | 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. | 2.2 | 17 |
| 11 | Zinc maleate and fumarate coordination polymers containing hydrogen-bonding capable organodiamines featuring ligand dependent in situ cis-trans isomerization. <i>Inorganica Chimica Acta</i> , 2010, 363, 250-256. | 2.4 | 17 |
| 12 | Divalent Metal Aliphatic Tricarboxylate Dipyridylamine Coordination Polymers with New or Rare Binodal Topologies. <i>Crystal Growth and Design</i> , 2011, 11, 4860-4875. | 3.0 | 17 |
| 13 | 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. | 3.4 | 16 |
| 14 | 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. | 2.4 | 15 |
| 15 | 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. | 2.4 | 12 |
| 16 | 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. | 3.6 | 11 |
| 17 | Luminescent cadmium phenylenedipropionate coordination polymers with long-spanning dipyridine ligands. <i>Journal of Molecular Structure</i> , 2011, 998, 62-68. | 3.6 | 10 |
| 18 | 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. | 2.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Divalent metal homophthalate coordination polymers with long-spanning dipyrindyl ligands containing piperazine moieties. <i>Inorganica Chimica Acta</i> , 2013, 403, 78-84. | 2.4 | 8 |
| 20 | Varied Layer Topologies in Luminescent Zinc Coordination Polymers with Flexible Aromatic <i>ortho</i> -Dicarboxylate and Dipyrindyl Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 2162-2170. | 1.2 | 8 |
| 21 | Diverse stacked and entangled topologies in cadmium tricarboxylate coordination polymers with nitrobenzene detection capability. <i>Inorganica Chimica Acta</i> , 2019, 485, 9-19. | 2.4 | 7 |
| 22 | Divalent metal diphenate dipyrindylamine coordination polymers: Supramolecular polytypism and a rare 5-connected topology based on arc-like hexanuclear clusters. <i>Polyhedron</i> , 2015, 89, 168-181. | 2.2 | 3 |
| 23 | 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. | 2.4 | 2 |
| 24 | Poly[4,4'-iminodipyrindinium [tetra- μ -3-oxido-tetraoxido-di- μ -4-phosphato- μ -4-O:O μ -2:O μ -2 μ -2-tetrayanadium(V)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1602-m1602. | 0.2 | 2 |
| 25 | Bis(dimethylmalonato- μ -2 ² -O</i></i>, <i>O</i></i> μ -2)bis[4-(4-pyrindylamino- μ -4</i></i> pyridinium]nickel(II) hexahydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1603-m1603. | 0.2 | 2 |
| 26 | Reprint of: Divalent metal diphenate dipyrindylamine coordination polymers: Supramolecular polytypism and a rare 5-connected topology based on arc-like hexanuclear clusters. <i>Polyhedron</i> , 2016, 114, 459-471. | 2.2 | 1 |
| 27 | Poly[[diaquabis(μ -3-maleato- μ -4O1:O1 μ -2, O4:O4 μ -2)dicopper(II)] trihydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1074-m1074. | 0.2 | 1 |
| 28 | 4-(4-Pyrindylamino)pyridinium perchlorate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o423-o423. | 0.2 | 1 |
| 29 | catena-Poly[[[(dimethylmalonato- μ -2O:O μ -2)(perchlorato- μ -O)copper(II)]- μ -4-bis(3-pyrindylmethyl)piperazinedium- μ -2N1 μ -2:N4 μ -2] perchlorate dihydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m1524-m1524. | 0.2 | 0 |
| 30 | Simple layered or complex self-penetrated networks in cadmium homophthalate coordination polymers containing 1,3-bis(4-pyrindyl)propane. <i>Inorganica Chimica Acta</i> , 2011, 376, 590-597. | 2.4 | 0 |
| 31 | Predictive clustering of POLG disease mutations into functional modules in the human mitochondrial replicase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e58. | 1.0 | 0 |
| 32 | The Inducible lac Operator-Repressor System Is Functional in Zebrafish Cells. <i>Frontiers in Genetics</i> , 2021, 12, 683394. | 2.3 | 0 |
| 33 | Bis(perchlorato- μ -O)tetrakis[1-(2-pyrindyl)-4-(4-pyrindylmethyl- μ -N)piperazine]cadmium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m274-m274. | 0.2 | 0 |
| 34 | 1,4-Bis(4-pyrindylmethyl)piperazin-1-ium perchlorate fumaric acid hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1817-o1817. | 0.2 | 0 |
| 35 | Biochemical Genetics of the Mitochondrial Replicase: Clustering of Pathogenic Mutations into Five Functional Modules in Human DNA Polymerase β . <i>FASEB Journal</i> , 2012, 26, 739.5. | 0.5 | 0 |
| 36 | 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. | 0.5 | 0 |