

Hyungphil Chun

List of Publications by Year in descending order

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54
papers

6,207
citations

159525

30
h-index

143943

57
g-index

58
all docs

58
docs citations

58
times ranked

5165
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Sonochemical Preparation of a Magnet-Responsive Fe ₃ O ₄ @ZIF-8 Adsorbent for Efficient Cu ²⁺ Removal. <i>Nanomaterials</i> , 2022, 12, 753. | 1.9 | 19 |
| 2 | Static and Dynamic Adsorptions of Water Vapor by Cyclic [Zr ₃₆] Clusters: Implications for Atmospheric Water Capture Using Molecular Solids. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 294-302. | 1.0 | 4 |
| 3 | 3D Framework of Cobalt Cinnamate and Its Efficient Electrocatalytic Activity toward the Oxygen Evolution Reaction. <i>Chemistry of Materials</i> , 2021, 33, 2804-2813. | 3.2 | 9 |
| 4 | Postsynthetic ion exchange and characterization of alkali metal ions ordered in the pores of anionic Zr metal-organic framework. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1357-1363. | 1.0 | 3 |
| 5 | Superionic conduction in a zirconium-formate molecular solid. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17951-17955. | 5.2 | 2 |
| 6 | Zirconium-Formate Macrocycles and Supercage: Molecular Packing versus MOF-like Network for Water Vapor Sorption. <i>Journal of the American Chemical Society</i> , 2018, 140, 10915-10920. | 6.6 | 33 |
| 7 | Metal-Organic Frameworks from Group 4 Metals and 2,5-Dihydroxyterephthalic Acid: Reinvestigation, New Structure, and Challenges Toward Gas Storage and Separation. <i>Crystal Growth and Design</i> , 2017, 17, 2140-2146. | 1.4 | 25 |
| 8 | Facile synthesis of metal/metal oxide nanoparticles inside a nanoporous carbon matrix (M/MO@C) through the morphology-preserved transformation of metal-organic framework. <i>Chemical Communications</i> , 2015, 51, 7238-7241. | 2.2 | 49 |
| 9 | Robust Molecular Crystals of Titanium(IV)-oxo-Carboxylate Clusters Showing Water Stability and CO ₂ Sorption Capability. <i>Inorganic Chemistry</i> , 2014, 53, 7288-7293. | 1.9 | 37 |
| 10 | A Simple and Rational Approach for Binodal Metal-Organic Frameworks with Tetrahedral Nodes and Unexpected Multimodal Porosities from Nonstoichiometric Defects. <i>Crystal Growth and Design</i> , 2014, 14, 1998-2002. | 1.4 | 12 |
| 11 | Synthesis of new structurally constrained tetraaza macropolycyclic compounds containing two rigid bridges: Crystal structure and chemical properties of a copper(II) complex. <i>Inorganica Chimica Acta</i> , 2014, 409, 315-319. | 1.2 | 2 |
| 12 | Heterometallic Zn ₆ Ti ₂ Building Block Persistent in Metal-organic Frameworks Based on Asymmetrically Substituted Dicarboxylate Ligands. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1879-1882. | 1.0 | 3 |
| 13 | Nonporous Titanium-Oxo Molecular Clusters That Reversibly and Selectively Adsorb Carbon Dioxide. <i>Inorganic Chemistry</i> , 2013, 52, 9705-9707. | 1.9 | 66 |
| 14 | Bistable and Porous Metal-Organic Frameworks with Charge-Neutral acs Net Based on Heterometallic M ₃ O(CO ₂) ₆ Building Blocks. <i>Crystal Growth and Design</i> , 2013, 13, 4066-4070. | 1.4 | 23 |
| 15 | Unprecedented and highly symmetric (6,8)-connected topology in a porous metal-organic framework through a Zn-Ti heterometallic approach. <i>Chemical Communications</i> , 2013, 49, 10953. | 2.2 | 24 |
| 16 | Unique Coordination-Based Heterometallic Approach for the Stoichiometric Inclusion of High-Valent Metal Ions in a Porous Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2013, 52, 5645-5647. | 1.9 | 38 |
| 17 | Effect of pore structures on selective gas sorption behavior of ultramicroporous MOFs. <i>Microporous and Mesoporous Materials</i> , 2012, 150, 32-37. | 2.2 | 11 |
| 18 | A Square Grid Coordination Polymer from Tetrahedral Metal Ions and Angular Dicarboxylate Ligands. <i>Journal of Chemical Crystallography</i> , 2011, 41, 537-540. | 0.5 | 3 |

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|----|---|-----|-----------|
| 19 | Topologies of Metal-Organic Frameworks Based on Pyrimidine-5-carboxylate and Unexpected Gas-Sorption Selectivity for CO ₂ . <i>Inorganic Chemistry</i> , 2010, 49, 10833-10839. | 1.9 | 35 |
| 20 | Hysteretic Gas Sorption in a Microporous Metal-Organic Framework with Nonintersecting 3D Channels. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4946-4949. | 1.0 | 27 |
| 21 | Hydrogen storage in Co- and Zn-based metal-organic frameworks at ambient temperature. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 9754-9759. | 3.8 | 30 |
| 22 | Targeted Synthesis of a Prototype MOF Based on Zn ₄ (O)(O ₂ C) ₆ Units and a Nonlinear Dicarboxylate Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 417-419. | 1.9 | 63 |
| 23 | Isorecticular Metal-Organic Polyhedral Networks Based on 5-Connecting Paddlewheel Motifs. <i>Inorganic Chemistry</i> , 2009, 48, 2043-2047. | 1.9 | 96 |
| 24 | Discrimination of Small Gas Molecules through Adsorption: Reverse Selectivity for Hydrogen in a Flexible Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2009, 48, 9980-9982. | 1.9 | 55 |
| 25 | Efficient Hydrogen Sorption in 8-Connected MOFs Based on Trinuclear Pinwheel Motifs. <i>Inorganic Chemistry</i> , 2008, 47, 5355-5359. | 1.9 | 54 |
| 26 | Low-Level Self-Assembly of Open Framework Based on Three Different Polyhedra: A Metal-Organic Analogue of Face-Centered Cubic Dodecaboride. <i>Journal of the American Chemical Society</i> , 2008, 130, 800-801. | 6.6 | 130 |
| 27 | Selective gas sorption property of an interdigitated 3-D metal-organic framework with 1-D channels. <i>Chemical Communications</i> , 2007, , 5182. | 2.2 | 82 |
| 28 | Discovery, Synthesis, and Characterization of an Isomeric Coordination Polymer with Pillared Kagome Net Topology. <i>Inorganic Chemistry</i> , 2007, 46, 4371-4373. | 1.9 | 93 |
| 29 | Vapor phase inclusion of ferrocene and its derivative in a microporous metal-organic porous material and its structural characterization by single crystal X-ray diffraction. <i>Chemical Communications</i> , 2006, , 2759-2761. | 2.2 | 75 |
| 30 | A Homochiral Metal-Organic Material with Permanent Porosity, Enantioselective Sorption Properties, and Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 916-920. | 7.2 | 620 |
| 31 | 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. <i>Chemistry - A European Journal</i> , 2005, 11, 3521-3529. | 1.7 | 827 |
| 32 | Metal-Organic Replica of Fluorite Built with an Eight-Connecting Tetranuclear Cadmium Cluster and a Tetrahedral Four-Connecting Ligand. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 971-974. | 7.2 | 241 |
| 33 | Rigid and Flexible: A Highly Porous Metal-Organic Framework with Unusual Guest-Dependent Dynamic Behavior. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5033-5036. | 7.2 | 1,094 |
| 34 | Synthesis and characterization of new adjacent-bridged tetraaza macrocyclic compounds with C-alkyl groups: crystal structure and spectral properties of a copper(II) complex. <i>Inorganica Chimica Acta</i> , 2004, 357, 2783-2790. | 1.2 | 10 |
| 35 | Designed Self-Assembly of Molecular Necklaces Using Host-Stabilized Charge-Transfer Interactions. <i>Journal of the American Chemical Society</i> , 2004, 126, 1932-1933. | 6.6 | 233 |
| 36 | Microporous Manganese Formate: A Simple Metal-Organic Porous Material with High Framework Stability and Highly Selective Gas Sorption Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 32-33. | 6.6 | 929 |

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|----|--|-----|-----------|
| 37 | S = 3/2 \rightarrow S = 1/2 Spin Crossover Behavior in Five-Coordinate Halido- and Pseudohalido-bis(o-iminobenzosemiquinonato)iron(III) Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 5612-5620. | 1.9 | 72 |
| 38 | Octahedral (cis-Cyclam)iron(III) Complexes with O,N-Coordinated o-Iminosemiquinonato(1 \hat{a}) $\dot{\text{C}}$ Radicals and o-Imidophenolato(2 \hat{a}) Anions. <i>Inorganic Chemistry</i> , 2002, 41, 5091-5099. | 1.9 | 68 |
| 39 | Chromium(III) Complexes with Quadridentate Amines. Crystal Structure of [cis- \hat{I}^2 -Cr(trien)(C2O4)] Cl \hat{A} ·2H2O (I) and [Cr2(\hat{I}^4 -OH)2(\hat{I}^4 -tren)2] Br4 \hat{A} ·2H2O (II). <i>Journal of Coordination Chemistry</i> , 2002, 55, 619-626. | 0.8 | 6 |
| 40 | o-Iminobenzosemiquinonato(1 \hat{a}) and o-Amidophenolato(2 \hat{a}) Complexes of Palladium(II) and Platinum(II): \hat{a} A Combined Experimental and Density Functional Theoretical Study. <i>Inorganic Chemistry</i> , 2002, 41, 4295-4303. | 1.9 | 127 |
| 41 | o-Iminobenzosemiquinonato Complexes of Mn(III) and Mn(IV). Synthesis and Characterization of [MnIII(LISQ)2(LAP)] (St= 1) and [MnIV(LISQ)2(LAP-H)] (St=1/2). <i>Inorganic Chemistry</i> , 2002, 41, 790-795. | 1.9 | 95 |
| 42 | Cobalt(II)/(III) Complexes Containing o-Iminothiobenzosemiquinonato(1 \hat{a}) and o-Iminobenzosemiquinonato(1 \hat{a}) $\dot{\text{C}}$ -Radical Ligands. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1957-1967. | 1.0 | 68 |
| 43 | Molecular and Electronic Structure of Octahedral o-Aminophenolato and o-Iminobenzosemiquinonato Complexes of V(V), Cr(III), Fe(III), and Co(III). Experimental Determination of Oxidation Levels of Ligands and Metal Ions. <i>Inorganic Chemistry</i> , 2001, 40, 4157-4166. | 1.9 | 182 |
| 44 | Polymorphism in the Crystallization Behavior of Trinitrocobalt(III) Complexes with Tridentate Amine Ligands: \hat{a} Hydrogen-Bonding Analysis and Syntheses of Racemic and Conglomerate mer-Co(dpt)(NO2)3. <i>Crystal Growth and Design</i> , 2001, 1, 67-72. | 1.4 | 8 |
| 45 | Crystal Structures of Neutral Cobalt(III) Complexes: \hat{a} Common Hydrogen-Bonding Patterns Observed in Compounds of Different Molecular Structures. <i>Crystal Growth and Design</i> , 2001, 1, 143-149. | 1.4 | 10 |
| 46 | Syntheses, structure and spectroscopic characterization of fac- and mer-Co(aepn)(CN)3 and of their 13CN analogues [aepn=N-(2-aminoethyl)-1,3-propanediamine]. <i>Polyhedron</i> , 2001, 20, 2597-2607. | 1.0 | 10 |
| 47 | Triethanolamine copper chloride prepared from zerovalent metal: another polymorph of a known Cu(II) compound or a mixed-valence complex with all-trigonal bipyramidal copper?. <i>Crystal Engineering</i> , 2001, 4, 201-213. | 0.7 | 6 |
| 48 | Tuning the Electronic Structure of Halidobis(o-imino-benzosemiquinonato)iron(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2489-2492. | 7.2 | 110 |
| 49 | Conformational isomers of neutral trans-dinitrocobalt(III) complexes. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 33-35. | 0.4 | 1 |
| 50 | The Interaction between Amminehalocobalt(III) Cations and Polythionate Anions: Hydrogen-Bonding Patterns and S \hat{a} S Bond Cleavage Reactions. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 189-193. | 1.0 | 6 |
| 51 | Triazidocobalt(III) complexes with tridentate amine ligands. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1326-1329. | 0.4 | 5 |
| 52 | The phenomenon of conglomerate crystallization. <i>Polyhedron</i> , 1999, 18, 3647-3652. | 1.0 | 4 |
| 53 | Syntheses of K[Co(trien)(NH3)(SO4)](S4O6) \hat{A} ·2(H2O) and of [cis- \hat{I}^2 -Co(trien)(NH3)Cl](S5O6) \hat{a} Compounds Produced by Hydrolytic Cleavage of Sulfur \hat{a} Sulfur Bonds of the Tetrathionate Anion. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 717-722. | 1.0 | 9 |
| 54 | Crystal Structures of Oxalato and Oxamido Polyaminecobalt(III) Complexes Produced by Hydrolysis of Monooxamide. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 723-728. | 1.0 | 10 |