

K Travis Holman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8042968/publications.pdf>

Version: 2024-02-01

72
papers

3,392
citations

156536

32
h-index

156644

58
g-index

83
all docs

83
docs citations

83
times ranked

3440
citing authors

#	ARTICLE	IF	CITATIONS
1	“Click”-Like I^- Metalation/Demetalation of Aryl Iodides as a Means of Turning ON/OFF π -Halogen Bond Donor Functionality. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	4
2	Microporosity of a Guanidinium Organodisulfonate Hydrogen-Bonded Framework. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1997-2002.	7.2	45
3	Microporosity of a Guanidinium Organodisulfonate Hydrogen-Bonded Framework. <i>Angewandte Chemie</i> , 2020, 132, 2013-2018.	1.6	14
4	Structures of selected transition metal complexes with 9-(2-hydroxyethyl)adenine: Potentiometric complexation and DFT studies. <i>Journal of Molecular Structure</i> , 2020, 1205, 127548.	1.8	7
5	Manometric real-time studies of the mechanochemical synthesis of zeolitic imidazolate frameworks. <i>Chemical Science</i> , 2020, 11, 2141-2147.	3.7	64
6	Exploring the Scope of Macrocyclic “Shoe-last” Templates in the Mechanochemical Synthesis of RHO Topology Zeolitic Imidazolate Frameworks (ZIFs). <i>Molecules</i> , 2020, 25, 633.	1.7	3
7	Use of a “Shoe-Last” Solid-State Template in the Mechanochemical Synthesis of High-Porosity RHO-Zinc Imidazolate. <i>Journal of the American Chemical Society</i> , 2018, 140, 10104-10108.	6.6	27
8	Cryptophanes. , 2017, , 199-249.		18
9	Reproducible Synthesis and High Porosity of mer-Zn(Im) ₂ (ZIF-10): Exploitation of an Apparent Double-Eight Ring Template. <i>Journal of the American Chemical Society</i> , 2016, 138, 12017-12020.	6.6	34
10	Enclathration and Confinement of Small Gases by the Intrinsically 0D Porous Molecular Solid, Me ₂ H ₂ SiMe ₂ . <i>Journal of the American Chemical Society</i> , 2016, 138, 4377-4392.	6.6	65
11	A Tale of Two Stoichiometrically Diverse Cocrystals. <i>Crystal Growth and Design</i> , 2015, 15, 3101-3104.	1.4	14
12	Many Simple Molecular Cavitands Are Intrinsically Porous (Zero-Dimensional Pore) Materials. <i>Chemistry of Materials</i> , 2015, 27, 7337-7354.	3.2	56
13	Extreme Confinement of Xenon by Cryptophane-111 in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1471-1475.	7.2	43
14	Rim-functionalized cryptophane-111 derivatives via heterocapping, and their xenon complexes. <i>Chemical Communications</i> , 2014, 50, 15905-15908.	2.2	20
15	Synthesis and Structure-Activity Relationship Studies of Small Molecule Disruptors of EWS-FLI1 Interactions in Ewing’s Sarcoma. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 10290-10303.	2.9	16
16	Methyl 2-(but-3-enyl)-4-hydroxy-1,1-dioxo-2H-1,2,4-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1926-o1926.	0.2	1
17	A Cubic, 12-Connected, Microporous Metal-Organometallic Phosphate Framework Sustained by Truncated Tetrahedral Nodes. <i>Journal of the American Chemical Society</i> , 2011, 133, 1634-1637.	6.6	56
18	Miniemulsion Synthesis of Metal-Oxo Cluster Containing Copolymer Nanobeads. <i>Langmuir</i> , 2011, 27, 12575-12584.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Reversible Phase Transitions within Self-Assembled Fibrillar Networks of <i>N</i> -18-(<i>N</i> -Alkylamino)octadecan-7-ols in Their Carbon Tetrachloride Gels. <i>Journal of the American Chemical Society</i> , 2011, 133, 15045-15054.	6.6	58
20	Molecules Constructed Microporous Materials: Long under Our Noses, Increasingly on Our Tongues, and Now in Our Bellies. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1228-1230.	7.2	33
21	<i>N</i> -(2-Bromophenyl)-4-methyl- <i>N</i> -(4-methylphenylsulfonyl)benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2356-o2356.	0.2	3
22	Methyl 4-hydroxy-2-isopropyl-1,1-dioxo-2H-1,2-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1823-o1824.	0.2	1
23	Methyl 4-hydroxy-1,1-dioxo-2-(2-phenylethyl)-2H-1,2-benzothiazine-3-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3445-o3445.	0.2	1
24	2-[4-(2,6-Dimethoxyphenyl)butyl]-1,3-dimethoxybenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1921-o1921.	0.2	0
25	(2S)-3-Carbamoyl-2-(4-methoxybenzenesulfonamido)propanoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2596-o2596.	0.2	1
26	Anion binding, aryl-extended cyclotriguaiacylenes and an aryl-bridged cryptophane that provides snapshots of a molecular gating mechanism. <i>Supramolecular Chemistry</i> , 2010, 22, 870-890.	1.5	9
27	A Water-Soluble Xe@cryptophane-111 Complex Exhibits Very High Thermodynamic Stability and a Peculiar ^{129}Xe NMR Chemical Shift. <i>Journal of the American Chemical Society</i> , 2010, 132, 15505-15507.	6.6	79
28	(1E,3E,5E,7E)-4,4'-bis-(Octa-1,3,5,7-tetraene-1,8-diyl)dipyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o508-o508.	0.2	0
29	Methyl 3,5-bis[(4-hydroxymethyl-2-methoxyphenoxy)methyl]benzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o703-o703.	0.2	0
30	1,3-Bis(bromomethyl)-2-nitrobenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o834-o834.	0.2	0
31	1-Hydroxybenzotriazole (HOBt) acidity, formation constant with different metals and thermodynamic parameters: Synthesis and characterization of some HOBt metal complexes – Crystal structures of two polymers: $[\text{Cu}(\text{H}_2\text{O})_5(\text{OBt})_2(\frac{1}{4}\text{-OBt})_2] \cdot 2\text{H}_2\text{O} \cdot \text{EtOH}$ (1A) and $[\text{Cu}(\frac{1}{4}\text{-OBt})(\text{HOBt})(\text{OBt})(\text{EtOH})]$ (1B). <i>Inorganica Chimica Acta</i> , 2009, 362, 3526-3540.	1.2	25
32	Polymorphism and Inclusion Properties of Three-Dimensional Metal-Organometallic Frameworks Derived from a Terephthalate Sandwich Compound. <i>Inorganic Chemistry</i> , 2009, 48, 6860-6872.	1.9	23
33	A novel copper(II) complex of a tripodal ligand with phenolate-phenol interligand, intramolecular hydrogen bonding. <i>Dalton Transactions</i> , 2009, , 8111.	1.6	11
34	Closed-surface hexameric metal-organic nanocapsules derived from cavitand ligands. <i>Chemical Communications</i> , 2008, , 1404.	2.2	40
35	$[(\eta^5\text{-C}_5\text{Me}_4\text{CH}_2\text{R})\text{Ru}(\eta^6\text{-arene})]^+$ and $[(\eta^5\text{-C}_5\text{Me}_4\text{CH}_2\text{R})\text{Ru}(\text{CH}_3\text{CN})_3]^+$ Compounds Possessing Pendant Arms. <i>Organometallics</i> , 2008, 27, 1823-1833.	1.1	24
36	A soft coordination polymer derived from container molecule ligands. <i>Chemical Communications</i> , 2008, , 1407.	2.2	38

#	ARTICLE	IF	CITATIONS
37	PF ₆ ⁻ Hydrolysis as a route to unique uranium phosphate materials. <i>Chemical Communications</i> , 2008, , 6037.	2.2	37
38	Facile, Near-Quantitative, Aqueous Routes to Nearly Any [Cp*Ru(η -6-arene)]Cl Compound. <i>Organometallics</i> , 2007, 26, 3049-3053.	1.1	34
39	Architectural Diversity and Elastic Networks in Hydrogen-Bonded Host Frameworks: From Molecular Jaws to Cylinders. <i>Journal of the American Chemical Society</i> , 2007, 129, 14640-14660.	6.6	108
40	An achiral form of the hexameric resorcin[4]arene capsule sustained by hydrogen bonding with alcohols. <i>Chemical Communications</i> , 2006, , 2144.	2.2	85
41	Triprolinium 12-phosphomolybdate: Synthesis, crystal structure and properties of [C ₅ H ₁₀ NO ₂] ₃ [PMo ₁₂ O ₄₀] \cdot 4.5H ₂ O. <i>Polyhedron</i> , 2006, 25, 1567-1570.	1.0	32
42	One-dimensional coordination polymer [Co(H ₂ O) ₄ (pyz)](NO ₃) ₂ \cdot 2H ₂ O (pyz=pyrazine) with intra- and inter-chain H-bonds: structure, electronic spectral studies and magnetic properties. <i>Polyhedron</i> , 2005, 24, 221-228.	1.0	31
43	Metalated Calixarenes and Cyclotrimeratrylenes as Anion Hosts. <i>ChemInform</i> , 2005, 36, no.	0.1	0
44	Selective Anion Encapsulation by a Metalated Cryptophane with a π -Acidic Interior. <i>Journal of the American Chemical Society</i> , 2005, 127, 16364-16365.	6.6	126
45	Multiple nitrene insertions into metal-sulfur bonds of dithiocarbamate complexes: synthesis of sulfido-amido and zwitterionic tetraamido complexes. <i>Dalton Transactions</i> , 2005, , 2688.	1.6	4
46	Cryptophanes: Molecular Containers. , 2004, , 340-348.		11
47	Isolation and Structure of an Imploded Cryptophane. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5631-5635.	7.2	65
48	Synthesis, Structural Characterization and Fluorescence Properties of Organoselenium Compounds Bearing a Ligand Containing Both Bulky and Nonbonding Groups: The First Observation of Both Intramolecular Se \cdots N and Se \cdots O Interactions in a Diselenide Structure. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1014-1023.	1.0	27
49	Metallated Calixarenes and Cyclotrimeratrylenes as Anion Hosts. , 2004, , 87-105.		0
50	Polyoxometal cations within polyoxometalate anions. Seven-coordinate uranium and zirconium heteroatom groups in [(UO ₂) ₁₂ (η -4 ³ -O) ₄ (η -4 ² -H ₂ O) ₁₂ (P ₂ W ₁₅ O ₅₆) ₄] ₃₂ ²⁴⁺ and [Zr ₄ (η -4 ³ -O) ₂ (η -4 ² -OH) ₂ (H ₂ O) ₄ 1.8 (P ₂ W ₁₆ O ₅₉) ₂] ₁₄ ²⁺ . <i>Journal of Molecular Structure</i> , 2003, 656, 101-106.		105
51	A new structural family of heteropolytungstate lacunary complexes with the uranyl, UO ₂ ²⁺ , cation. <i>Dalton Transactions</i> , 2003, , 3009.	1.6	79
52	Extraction of Pertechnetate and Perrhenate from Water with Deep-Cavity [CpFe(arene)] ⁺ -Derivatized Cyclotrimeratrylenes. <i>Inorganic Chemistry</i> , 2002, 41, 6028-6031.	1.9	42
53	Metric Engineering of Soft Molecular Host Frameworks. <i>Accounts of Chemical Research</i> , 2001, 34, 107-118.	7.6	560
54	Shape-Selective Separation of Molecular Isomers with Tunable Hydrogen-Bonded Host Frameworks. <i>Chemistry of Materials</i> , 2001, 13, 3018-3031.	3.2	175

#	ARTICLE	IF	CITATIONS
55	The Generality of Architectural Isomerism in Designer Inclusion Frameworks. <i>Journal of the American Chemical Society</i> , 2001, 123, 4421-4431.	6.6	142
56	Lamellae-Nanotube Isomerism in Hydrogen-Bonded Host Frameworks This work was supported by the National Science Foundation (DMR-9908627), in part by the MRSEC Program of the National Science Foundation (DMR-9809364), and the Natural Sciences and Engineering Research Council of Canada (postdoctoral fellowship for K.T.H.).. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4045.	7.2	61
57	Metric Engineering of Crystalline Inclusion Compounds by Structural Mimicry. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1653-1656.	7.2	68
58	Building molecular frameworks with tailored pore structures. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 858-869.	0.9	20
59	Synthesis and Structure of a One-Dimensional Coordination Polymer Based Upon Tetracyanocalix[4]arene in the Cone Conformation. <i>Supramolecular Chemistry</i> , 2000, 12, 317-320.	1.5	11
60	One-Dimensional Hydrogen Bonded Polymers Based on C-Methyl-Calix[4]Resorcinarene and a Crystal Engineering Design Strategy. <i>Crystal Engineering</i> , 1998, 1, 87-96.	0.7	19
61	Deep cavity [CpFe(arene)] ⁺ derivatized cyclotrimeratrylenes as anion hosts. <i>Chemical Communications</i> , 1998, , 2109-2110.	2.2	30
62	Bowl vs Saddle Conformations in Cyclononatriene-Based Anion Binding Hosts. <i>Organometallics</i> , 1998, 17, 1732-1740.	1.1	31
63	Anion Binding within the Cavity of π -Metalated Calixarenes. <i>Journal of the American Chemical Society</i> , 1997, 119, 6324-6335.	6.6	175
64	Intra-Cavity Inclusion of [CpFe(arene)] ⁺ Guests by Cyclotrimeratrylene. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1736-1738.	4.4	31
65	Einschluss von [CpFe(arene)] ⁺ Gæsten im schalenförmigen Hohlraum von Cyclotrimeratrylen. <i>Angewandte Chemie</i> , 1997, 109, 1840-1842.	1.6	6
66	Supramolecular anion receptors. <i>Advances in Supramolecular Chemistry</i> , 1997, , 287-330.	1.8	2
67	Inclusion of Neutral and Anionic Guests within the Cavity of π -Metalated Cyclotrimeratrylenes. <i>Journal of the American Chemical Society</i> , 1996, 118, 9567-9576.	6.6	105
68	Laying traps for elusive prey: recent advances in the non-covalent binding of anions. <i>Chemical Communications</i> , 1996, , 1401.	2.2	173
69	Crystal and molecular structure of [Mn(CO) ₃ (μ -3-OH)] ₄ . <i>Journal of Chemical Crystallography</i> , 1995, 25, 93-95.	0.5	10
70	Hosting a Radioactive Guest: Binding of ⁹⁹ TcO ₄ ⁻ by a Metalated Cyclotrimeratrylene. <i>Journal of the American Chemical Society</i> , 1995, 117, 7848-7849.	6.6	47
71	Supramolecular chemistry of [M(CO) ₃ (μ -3-OH)] ₄ (M = Mn or Re): a modular approach to crystal engineering of superdiamondoid networks. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2233-2243.	1.1	42
72	π -ClickæClickæLike π -6 π -Metalation/Demetalation of Aryl Iodides as a Means of Turning æON/OFFæ-Halogen Bond Donor Functionality. <i>Angewandte Chemie</i> , 0, , .	1.6	1