

# Dario Braga

## List of Publications by Year in descending order

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476  
papers

20,265  
citations

16411

64  
h-index

17546

121  
g-index

547  
all docs

547  
docs citations

547  
times ranked

11865  
citing authors

| #  | ARTICLE  | IF               | CITATIONS |
|----|--|------------------|-----------|
| 1  | Mechanochemistry: opportunities for new and cleaner synthesis. <i>Chemical Society Reviews</i> , 2012, 41, 413-447.  | 18.7             | 2,281     |
| 2  | Crystal Engineering and Organometallic Architecture. <i>Chemical Reviews</i> , 1998, 98, 1375-1406.  | 23.0             | 1,169     |
| 3  | Intermolecular Interactions in Nonorganic Crystal Engineering. <i>Accounts of Chemical Research</i> , 2000, 33, 601-608.   | 7.6              | 510       |
| 4  | New trends in crystal engineering. <i>CrystEngComm</i> , 2005, 7, 1.   | 1.3              | 412       |
| 5  | Mechanochemical preparation of co-crystals. <i>Chemical Society Reviews</i> , 2013, 42, 7638.  | 18.7             | 392       |
| 6  | Crystal engineering, Where from? Where to?. <i>Chemical Communications</i> , 2003, , 2751.   | 2.2              | 350       |
| 7  | Reactions Between or Within Molecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4002-4011.  | 7.2              | 324       |
| 8  | Hydrogen Bonding in Organometallic Crystals. 6. $\text{H}^{\delta-}\text{M}^{\delta+}$ Hydrogen Bonds and $\text{M}^{\delta+}\text{---}(\text{H}^{\delta-}\text{X})$ Pseudo-Agostic Bonds. <i>Organometallics</i> , 1997, 16, 1846-1856.                             | 1.1              | 309       |
| 9  | Mechanochemical preparation of molecular and supramolecular organometallic materials and coordination networks. <i>Dalton Transactions</i> , 2006, , 1249.   | 1.6              | 266       |
| 10 | Hydrogen Bonding in Organometallic Crystals. 2. C-H...O Hydrogen Bonds in Bridged and Terminal First-Row Metal Carbonyls. <i>Journal of the American Chemical Society</i> , 1995, 117, 3156-3166.  | 6.6              | 265       |
| 11 | Innovation in crystal engineering. <i>CrystEngComm</i> , 2002, 4, 500-509.   | 1.3              | 235       |
| 12 | Making crystals from crystals: a green route to crystal engineering and polymorphism. <i>Chemical Communications</i> , 2005, , 3635.   | 2.2              | 194       |
| 13 | Organometallic polymorphism and phase transitions. <i>Chemical Society Reviews</i> , 2000, 29, 229-238.  | 18.7             | 185       |
| 14 | Arene Clusters. <i>Chemical Reviews</i> , 1994, 94, 1585-1620.   | 23.0             | 179       |
| 15 | Organometallic crystal engineering: prospects for a systematic design<br>This review article is largely based on conferences given by the authors in 1997: INDABA-II (Skukuza, South Africa); ECM17 (Lisbon, Portugal) / <i>Chemical Reviews</i> , 1999, 183, 19-41. | 10.784314<br>9.5 | 177       |
| 16 | $\text{H}^{\delta-}\text{---}\text{X}^{\delta+}$ (X = O, N, C) Hydrogen Bonds in Organometallic Crystals. <i>Organometallics</i> , 1998, 17, 2669-2672.  | 1.1              | 171       |
| 17 | Inorganic crystal engineering: a personal perspective. <i>Dalton Transactions RSC</i> , 2000, , 3705-3713.   | 2.3              | 169       |
| 18 | Crystal Forms of Hexafluorophosphate Organometallic Salts and the Importance of Charge-Assisted $\text{H}^{\delta-}\text{---}\text{F}^{\delta+}$ Hydrogen Bonds. <i>Organometallics</i> , 1998, 17, 296-307.   | 1.1              | 168       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Dynamical processes in crystalline organometallic complexes. <i>Chemical Reviews</i> , 1992, 92, 633-665.  | 23.0 | 163       |
| 20 | From unexpected reactions to a new family of ionic co-crystals: the case of barbituric acid with alkali bromides and caesium iodide. <i>Chemical Communications</i> , 2010, 46, 7715.  | 2.2  | 159       |
| 21 | The growing world of crystal forms. <i>Chemical Communications</i> , 2010, 46, 6232.   | 2.2  | 148       |
| 22 | Nickel carbonyl [Ni(CO) <sub>4</sub> ] and iron carbonyl [Fe(CO) <sub>5</sub> ]: molecular structures in the solid state. <i>Organometallics</i> , 1993, 12, 1481-1483.  | 1.1  | 131       |
| 23 | Simple and Quantitative Mechanochemical Preparation of a Porous Crystalline Material Based on a 1D Coordination Network for Uptake of Small Molecules. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 142-146.   | 7.2  | 127       |
| 24 | Design of organometallic molecular and ionic materials. <i>Coordination Chemistry Reviews</i> , 2001, 216-217, 225-248.  | 9.5  | 125       |
| 25 | Reversible Interconversion between Luminescent Isomeric Metal-Organic Frameworks of [Cu <sub>4</sub> I <sub>4</sub> (DABCO) <sub>2</sub> ] (DABCO=1,4-diazabicyclo[2.2.2]octane). <i>Chemistry - A European Journal</i> , 2010, 16, 1553-1559.   | 1.7  | 125       |
| 26 | Luminescence Properties of 1,8-Naphthalimide Derivatives in Solution, in Their Crystals, and in Co-crystals: Toward Room-Temperature Phosphorescence from Organic Materials. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18646-18658.  | 1.5  | 123       |
| 27 | The Richest Collection of Tautomeric Polymorphs: The Case of Thiobarbituric Acid. <i>Chemistry - A European Journal</i> , 2010, 16, 4347-4358.   | 1.7  | 118       |
| 28 | From molecule to molecular aggregation: clusters and crystals of clusters. <i>Accounts of Chemical Research</i> , 1994, 27, 51-56.   | 7.6  | 116       |
| 29 | Solvent effect in a solvent free reaction. <i>CrystEngComm</i> , 2007, 9, 879.   | 1.3  | 115       |
| 30 | Hydrogen-Bonding Interactions with the CO Ligand in the Solid State. <i>Accounts of Chemical Research</i> , 1997, 30, 81-87.   | 7.6  | 113       |
| 31 | Design of hydrogen bonded networks based on organometallic sandwich compounds. <i>Coordination Chemistry Reviews</i> , 2003, 246, 53-71.   | 9.5  | 112       |
| 32 | Hydrogen Bonding in Organometallic Crystals. 1. From Carboxylic Acids and Alcohols to Carbonyl Complexes. <i>Organometallics</i> , 1994, 13, 3532-3543.  | 1.1  | 105       |
| 33 | Polymorph and isomer conversion of complexes based on CuI and PPh <sub>3</sub> easily observed via luminescence. <i>Dalton Transactions</i> , 2012, 41, 531-539.   | 1.6  | 105       |
| 34 | Hydrogen bonding in organometallic crystals – a survey. <i>Journal of Organometallic Chemistry</i> , 1997, 548, 33-43.   | 0.8  | 103       |
| 35 | Mechanochemical Preparation of Hydrogen-Bonded Adducts Between the Diamine 1,4-Diazabicyclo[2.2.2]octane and Dicarboxylic Acids of Variable Chain Length: An X-ray Diffraction and Solid-State NMR Study. <i>Chemistry - A European Journal</i> , 2003, 9, 5538-5548.  | 1.7  | 101       |
| 36 | Novel Organometallic Building Blocks for Molecular Crystal Engineering. 2. Synthesis and Characterization of Pyridyl and Pyrimidyl Derivatives of Diboronic Acid, [Fe(̇-5-C <sub>5</sub> H <sub>4</sub> -B(OH) <sub>2</sub> ) <sub>2</sub> ], and of Pyridyl Boronic Acid, [Fe(̇-5-C <sub>5</sub> H <sub>4</sub> -4-C <sub>5</sub> H <sub>4</sub> N)(̇-5-C <sub>5</sub> H <sub>4</sub> -B(OH) <sub>2</sub> )]. <i>Organometallics</i> , 2003, 22, 2142-2150. | 1.1  | 99        |

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|----|---|-----|-----------|
| 37 | Intermolecular interactions and supramolecular organization in organometallic solids. <i>Chemical Communications</i> , 1996, , 571.   | 2.2 | 93        |
| 38 | Ionic Co-crystals of Organic Molecules with Metal Halides: A New Prospect in the Solid Formulation of Active Pharmaceutical Ingredients. <i>Crystal Growth and Design</i> , 2011, 11, 5621-5627.  | 1.4 | 91        |
| 39 | Charge-assisted Nâ€“H(+)-O(-) and Oâ€“H-O(-) hydrogen bonds control the supramolecular aggregation of ferrocenedicarboxylic acid and bis-amidines. <i>New Journal of Chemistry</i> , 2000, 24, 547-553.   | 1.4 | 88        |
| 40 | Inter-anion Oâ€“H...O hydrogen bond like interactions: the breakdown of the strengthâ€“length analogy. <i>Chemical Communications</i> , 1998, , 1959-1960.  | 2.2 | 87        |
| 41 | Transition-metal-promoted cyclization reactions of isocyanide ligands. Synthesis of cyclic diaminocarbenes from isocyanide complexes of palladium(II) and platinum(II) and x-ray structure of cis-Br2Pt[CN(C6H4-p-Me)CH2CH2N(H)](PPh3). <i>Inorganic Chemistry</i> , 1988, 27, 93-99. | 1.9 | 86        |
| 42 | Croconic Acid and Alkali Metal Croconate Salts: Some New Insights into an Old Story. <i>Chemistry - A European Journal</i> , 2002, 8, 1804.   | 1.7 | 85        |
| 43 | Mechanochemical and solution reactions between AgCH3COO and [H2NC6H10NH2] yield three isomers of the coordination network {Ag[H2NC6H10NH2]+}âˆž. <i>Chemical Communications</i> , 2005, , 2915.   | 2.2 | 83        |
| 44 | The Thermodynamically Stable Form of Solid Barbituric Acid: The Enol Tautomer. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7924-7926.  | 7.2 | 81        |
| 45 | Tipping the Balance with the Aid of Stoichiometry: Room Temperature Phosphorescence versus Fluorescence in Organic Cocrystals. <i>Crystal Growth and Design</i> , 2015, 15, 2039-2045.  | 1.4 | 78        |
| 46 | Agostic interactions in organometallic compounds. A Cambridge Structural Database study. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 3925.   | 1.1 | 77        |
| 47 | Transition-metal-promoted cyclization reactions of isocyanide ligands. Synthesis of cyclic aminoxy carbene complexes of platinum(II) and x-ray structure of trans-[(PPh3)2Pt[CN(C6H4Me-p)CH2CH2O]Br]BF4. <i>Inorganic Chemistry</i> , 1988, 27, 85-92.                                | 1.9 | 76        |
| 48 | Design, synthesis, characterization and utilization of hydrogen bonded networks based on functionalized organometallic sandwich compounds and the occurrence of crystal polymorphism. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1267-1285.                                   | 9.5 | 75        |
| 49 | Simple and quantitative mechanochemical preparation of the first zinc and copper complexes of the neuroleptic drug gabapentin. <i>CrystEngComm</i> , 2008, 10, 469.   | 1.3 | 75        |
| 50 | Three Polymorphic Forms of the Coâ€“Crystal 4,4â€“Bipyridine/Pimelic Acid and their Structural, Thermal, and Spectroscopic Characterization. <i>Chemistry - A European Journal</i> , 2008, 14, 10149-10159.   | 1.7 | 74        |
| 51 | Complementary hydrogen bonds and ionic interactions give access to the engineering of organometallic crystals. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1-8.  | 1.1 | 73        |
| 52 | Oxidative addition of phenols to bis(tricyclohexylphosphine)palladium. Synthesis and structural characterization of trans-[Pd(PCy3)2(H)(OC6H5)].C6H5OH (1) and trans-[Pd(PCy3)2(H)(OC6F5)].C6F5OH (2). <i>Inorganic Chemistry</i> , 1989, 28, 1390-1394.                              | 1.9 | 72        |
| 53 | Solid-state reactivity of copper(i) iodide: luminescent 2D-coordination polymers of CuI with saturated bidentate nitrogen bases. <i>New Journal of Chemistry</i> , 2011, 35, 339-344.   | 1.4 | 72        |
| 54 | Crystal Engineering of Organometallic Compounds through Cooperative Strong and Weak Hydrogen Bonds: A Simple Route to Mixed-Metal Systems. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2240-2242.  | 7.2 | 71        |

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|----|--|-----|-----------|
| 55 | Crystal Polymorphism and Multiple Crystal Forms. <i>Structure and Bonding</i> , 2009, , 25-50.   | 1.0 | 71        |
| 56 | Polymorphs from supramolecular gels: four crystal forms of the same silver(i) supergelator crystallized directly from its gels. <i>Chemical Communications</i> , 2011, 47, 5154.   | 2.2 | 71        |
| 57 | Coordinated water/anion hydrogen bonds and Pd-H bond acidity in cationic palladium(II) aquo hydrides and the x-ray crystal and molecular structures of trans-[(Cy3P)2Pd(H)(H2O)]BF4 (Cy =) <i>Tj ETQq1 1 0.784314 rgBT / Overlock</i>  | 1.4 | 69        |
| 58 | Assembly of Hybrid Organic-Organometallic Materials through Mechanochemical Acid-Base Reactions. <i>Chemistry - A European Journal</i> , 2003, 9, 4362-4370.   | 1.7 | 69        |
| 59 | Mechanochemical and solution preparation of the coordination polymers Ag[N(CH2CH2)3N]2[CH3COO]·5H2O and Zn[N(CH2CH2)3N]Cl2. <i>CrystEngComm</i> , 2004, 6, 458-462.  | 1.3 | 66        |
| 60 | Five-coordinate olefin complexes of platinum(II) containing $\sigma$ -bonded carbon ligands. Synthesis and characterization of [PtClMe( $\eta$ -2-C2H4)(N-N')] complexes. Molecular structure of an adduct with a chiral metal center and of its parent four-coordinate complex. <i>Organometallics</i> , 1987, 6, 517-525.  | 1.1 | 65        |
| 61 | Making crystals from crystals: three solvent-free routes to the hydrogen bonded co-crystal between 1,1'-di-pyridyl-ferrocene and anthranilic acid. <i>CrystEngComm</i> , 2007, 9, 39-45.   | 1.3 | 65        |
| 62 | Combining piracetam and lithium salts: ionic co-crystals and co-drugs?. <i>Chemical Communications</i> , 2012, 48, 8219.   | 2.2 | 65        |
| 63 | Organic-inorganic ionic co-crystals: a new class of multipurpose compounds. <i>CrystEngComm</i> , 2018, 20, 2212-2220.   | 1.3 | 65        |
| 64 | Mechanically Induced Expedient and Selective Preparation of Disubstituted Pyridine/Pyrimidine Ferrocenyl Complexes. <i>Organometallics</i> , 2004, 23, 2810-2812.  | 1.1 | 64        |
| 65 | Static and dynamic structure of the ruthenium cluster Ru3(CO)9( $\mu$ -3- $\eta$ 2- $\eta$ 2- $\eta$ 2-C6H6) at room temperature and 193 K. <i>Organometallics</i> , 1991, 10, 1260-1268.  | 1.1 | 63        |
| 66 | Hydrogen Bonding in Organometallic Crystals. 3.1 Transition-Metal Complexes Containing Amido Groups. <i>Organometallics</i> , 1996, 15, 1284-1295.   | 1.1 | 62        |
| 67 | Functionalized isocyanides as ligands. 4. Base-promoted cyclization reactions of free and platinum(II)-coordinated o-(phosphonomethyl)phenyl isocyanide tetrafluoroborates, o-(BF4-R3PCH2)C6H4NC. Synthesis and spectroscopic characterization of 1- and 2-platinum(II)-substituted indole derivatives and x-ray structure of [cyclic] <a href="#">trans-[(DPPE)2Pd{CN(L)u-C6H4C(DMe)2}Cl]·2PF6·n-C2H4Cl2</a> . <i>Organometallics</i> , 1986, 5, 2265-2274. | 1.1 | 60        |
| 68 | <sup>1</sup> H MAS, <sup>15</sup> N CPMAS, and DFT Investigation of Hydrogen-Bonded Supramolecular Adducts between the Diamine 1,4-Diazabicyclo-[2.2.2]octane and Dicarboxylic Acids of Variable Chain Length. <i>Chemistry of Materials</i> , 2005, 17, 1457-1466.  | 3.2 | 60        |
| 69 | Stepwise formation of the bis(benzene)hexaruthenium carbido carbonyl cluster Ru6C(CO)11( $\eta$ -6-C6H6)( $\mu$ -3- $\eta$ 2- $\eta$ 2- $\eta$ 2-C6H6) from Ru6C(CO)17. <i>Journal of the American Chemical Society</i> , 1993, 115, 9062-9068.  | 6.6 | 59        |
| 70 | Using Salt Cocystals to Improve the Solubility of Niclosamide. <i>Crystal Growth and Design</i> , 2015, 15, 1939-1948.   | 1.4 | 58        |
| 71 | Hydrogen Bonding in Organometallic Crystals. 4. $\text{M}^{\sim}\text{H}\cdots\text{O}$ Hydrogen-Bonding Interactions. <i>Organometallics</i> , 1996, 15, 2692-2699.   | 1.1 | 57        |
| 72 | Drug-containing coordination and hydrogen bonding networks obtained mechanochemically. <i>CrystEngComm</i> , 2009, 11, 2618.   | 1.3 | 57        |

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|----|--|-----|-----------|
| 73 | Crystal construction and molecular interplay in solid ferrocene, nickelocene, and ruthenocene. <i>Organometallics</i> , 1992, 11, 711-718.   | 1.1 | 56        |
| 74 | Mechanochemical assembly of hydrogen bonded organic-organometallic solid compounds. <i>Chemical Communications</i> , 2002, , 2960-2961.  | 2.2 | 56        |
| 75 | Crystal Forms of the Antibiotic 4-Aminosalicylic Acid: Solvates and Molecular Salts with Dioxane, Morpholine, and Piperazine. <i>Crystal Growth and Design</i> , 2009, 9, 5108-5116.   | 1.4 | 55        |
| 76 | Chemistry of tetrairidium carbonyl clusters. Part 1. Synthesis, chemical characterization, and nuclear magnetic resonance study of mono- and di-substituted phosphine derivatives. X-Ray crystal structure determination of the diaxial isomer of $[\text{Ir}_4(\text{CO})_7(\mu\text{-CO})_3(\text{Me}_2\text{PCH}_2\text{CH}_2\text{PMe}_2)]$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1986, , 2411-2421.  | 1.1 | 54        |
| 77 | Novel hetero-bimetallic metalla-macrocycles based on the bis-1-pyridyl ferrocene $[\text{Fe}(\text{i-5-C}_5\text{H}_4\text{-1-C}_5\text{H}_4\text{N})_2]$ ligand. Design, synthesis and structural characterization of the complexes $[\text{Fe}(\text{i-5-C}_5\text{H}_4\text{-1-C}_5\text{H}_4\text{N})_2](\text{Agi})_{22+}/(\text{CuII})_{24+}/(\text{ZnII})_{24+}$ . <i>Chemical Communications</i> , 2002, , 1080-1081.  | 2.2 | 54        |
| 78 | $[\text{Ru}_6\text{C}(\text{CO})_{17}]$ : a case of organometallic crystal polymorphism. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 2565.  | 1.1 | 53        |
| 79 | Remarkable reversal of melting point alternation by co-crystallization. <i>CrystEngComm</i> , 2010, 12, 3534.  | 1.3 | 53        |
| 80 | Supramolecular Complexation of Alkali Cations through Mechanochemical Reactions between Crystalline Solids. <i>Chemistry - A European Journal</i> , 2004, 10, 3261-3269.   | 1.7 | 52        |
| 81 | Hydrogen Bonding and Dynamic Behaviour in Crystals and Polymorphs of Dicarboxylic Diamine Adducts: A Comparison between NMR Parameters and X-ray Diffraction Studies. <i>Chemistry - A European Journal</i> , 2005, 11, 7461-7471.   | 1.7 | 52        |
| 82 | Synthesis and characterisation of $[\text{Ru}_3(\text{CO})_9(\mu_3\text{-}\hat{\text{I}}_2\text{-}\hat{\text{I}}_2\text{-}\hat{\text{I}}_2\text{-C}_6\text{H}_6)]$ . <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 364-366.   | 2.0 | 51        |
| 83 | Reversible trapping of acid and base vapours into an amphoteric crystalline material. <i>Chemical Communications</i> , 2001, , 2272-2273.  | 2.2 | 49        |
| 84 | Are all short O-H...O contacts hydrogen bonds? A quantitative look at the nature of O-H...O intermolecular hydrogen bonds. <i>New Journal of Chemistry</i> , 2000, 24, 5-8.  | 1.4 | 48        |
| 85 | The crystal structures of chloro and methyl ortho-benzoic acids and their co-crystal: rationalizing similarities and differences. <i>CrystEngComm</i> , 2008, 10, 1848.  | 1.3 | 48        |
| 86 | Novel Organometallic Building Blocks for Crystal Engineering. Synthesis and Structural Characterization of the Dicarboxylic Acid $[\text{Cr}(\text{i-6-C}_6\text{H}_5\text{COOH})_2]$ , of Two Polymorphs of Its Oxidation Derivative $[\text{Cr}(\text{i-6-C}_6\text{H}_5\text{COOH})_2]+[\text{PF}_6]^-$ , and of the Zwitterionic Form $[\text{Cr}(\text{i-6-C}_6\text{H}_5\text{COOH})(\text{i-6-C}_6\text{H}_5\text{COO})]$ . <i>Organometallics</i> , 2001, 20, 1875-1881. | 1.1 | 47        |
| 87 | Polymorphic gabapentin: thermal behaviour, reactivity and interconversion of forms in solution and solid-state. <i>New Journal of Chemistry</i> , 2008, 32, 1788.  | 1.4 | 47        |
| 88 | Molecular organization in crystalline $[\text{Co}_2(\text{CO})_8]$ and $[\text{Fe}_2(\text{CO})_9]$ and a search for alternative packings for $[\text{Co}_2(\text{CO})_8]$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1185.  | 1.1 | 46        |
| 89 | Anions Derived from Squaric Acid Form Interionic $\pi$ -Stack and Layered, Hydrogen-Bonded Superstructures with Organometallic Sandwich Cations: The Magnetic Behaviour of Crystalline $[(\text{i-6-C}_6\text{H}_6)_2\text{Cr}]^+[\text{HC}_4\text{O}_4]^{2-}$ . <i>Chemistry - A European Journal</i> , 2000, 6, 1310-1317.   | 1.7 | 46        |
| 90 | Solid State Conformation and Crystal Packing of Methyl-Substituted Quaterthiophenes. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 348, 137-151.   | 0.3 | 46        |

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|-----|---|-----|-----------|
| 91  | Synthesis and structural characterization of diene and benzene pentaruthenium clusters. Journal of the Chemical Society Dalton Transactions, 1993, , 985.   | 1.1 | 45        |
| 92  | Unexpected solid-solid reaction upon preparation of KBr pellets and its exploitation in supramolecular cation complexation. Chemical Communications, 2002, , 2302-2303.   | 2.2 | 45        |
| 93  | Design, Synthesis, and Structural Characterization of Molecular and Supramolecular Heterobimetallic Metallamacrocycles Based on the 1,1'-Bis(4-pyridyl)ferrocene (Fe( $\eta$ -5-C <sub>5</sub> H <sub>4</sub> -1-C <sub>5</sub> H <sub>4</sub> N) <sub>2</sub> ) Ligand. Organometallics, 2003, 22, 4532-4538.  | 1.1 | 45        |
| 94  | Crystal forms of rifaximin and their effect on pharmaceutical properties. CrystEngComm, 2008, 10, 1074.   | 1.3 | 45        |
| 95  | Electrostatic compression on non-covalent interactions: the case of $\pi$ -stacks involving ions. New Journal of Chemistry, 1999, 23, 577-579.  | 1.4 | 44        |
| 96  | Interanionic ( $\pi$ -O $\pi$ -H $\pi$ ... $\pi$ ... $\pi$ -O( $\pi$ )) Interactions: A Solid-State and Computational Study of the Ring and Chain Motifs. Chemistry - A European Journal, 2000, 6, 4536-4551.   | 1.7 | 44        |
| 97  | Reversible Gas-Solid Reactions between the Organometallic Zwitterion [( $\eta$ -5-C <sub>5</sub> H <sub>4</sub> COOH)( $\eta$ -5-C <sub>5</sub> H <sub>4</sub> COO)CoIII] and Vapors of Trifluoroacetic and Tetrafluoroboric Acids. Organometallics, 2002, 21, 1315-1318.   | 1.1 | 44        |
| 98  | Crystal Engineering: From Molecules and Crystals to Materials. , 1999, , 421-441.   |     | 44        |
| 99  | Structural and Theoretical Analysis of M $\pi$ -H $\pi$ - $\pi$ -H $\pi$ -M and M $\pi$ -H $\pi$ - $\pi$ -H $\pi$ -C Intermolecular Interactions. Inorganic Chemistry, 1998, 37, 3337-3348.   | 1.9 | 42        |
| 100 | Solvent-free preparation of co-crystals of phenazine and acridine with vanillin. Thermochimica Acta, 2010, 507-508, 1-8.  | 1.2 | 42        |
| 101 | Novel Dual-Action Plant Fertilizer and Urease Inhibitor: Urea-Catechol Cocrystal. Characterization and Environmental Reactivity. ACS Sustainable Chemistry and Engineering, 2019, 7, 2852-2859.   | 3.2 | 42        |
| 102 | A simple synthesis and crystal structure of the dinuclear diphosphido-bridged palladium(I) complex [Pd(PtBu <sub>2</sub> H)( $\eta$ -1/4-PtBu <sub>2</sub> )] <sub>2</sub> . Journal of Organometallic Chemistry, 1992, 423, 263-270.   | 0.8 | 41        |
| 103 | Inorganic-organometallic crystal synthesis. The role of charge-assisted C $\pi$ -H $\pi$ ...O and C $\pi$ -H $\pi$ ...Cl hydrogen bonds in crystalline [( $\eta$ -5-C <sub>5</sub> H <sub>5</sub> ) <sub>2</sub> Co][H <sub>2</sub> PO <sub>4</sub> ] $\cdot$ 3H <sub>2</sub> O and [( $\eta$ -6-C <sub>6</sub> H <sub>5</sub> Me) <sub>2</sub> Cr][Cl]. Journal of Organometallic Chemistry, 1999, 573, 73-77. | 0.8 | 41        |
| 104 | Smart urea ionic co-crystals with enhanced urease inhibition activity for improved nitrogen cycle management. Chemical Communications, 2018, 54, 7637-7640.   | 2.2 | 41        |
| 105 | Oxidative addition of O $\pi$ -H bond to a metal centre: synthesis and crystal structure of trans-(PhO)(H)Pd(PCy <sub>3</sub> ) <sub>2</sub> $\cdot$ PhOH. Journal of Organometallic Chemistry, 1987, 334, C46-C48.   | 0.8 | 40        |
| 106 | Dinuclear Cyanoalkylidene Complexes of Iron. Angewandte Chemie International Edition in English, 1991, 30, 847-849.   | 4.4 | 40        |
| 107 | Organic-Organometallic Crystal Synthesis. 1. Hosting Paramagnetic [( $\eta$ -6-Arene) <sub>2</sub> Cr] <sup>+</sup> (Arène = Benzene,) Tj ETQq1 1 0.784314 rgBT 2070-2079.  | 1.1 | 40        |
| 108 | Supramolecular metathesis: co-former exchange in co-crystals of pyrazine with (R,R)-, (S,S)-, (R,S)- and (S,S/R,R)-tartaric acid. CrystEngComm, 2011, 13, 3122-3124.  | 1.3 | 40        |



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