

Davide M Proserpio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/764712/publications.pdf>

Version: 2024-02-01

224
papers

23,305
citations

8181

76
h-index

8167

148
g-index

244
all docs

244
docs citations

244
times ranked

12024
citing authors

#	ARTICLE	IF	CITATIONS
1	Applied Topological Analysis of Crystal Structures with the Program Package ToposPro. <i>Crystal Growth and Design</i> , 2014, 14, 3576-3586.	3.0	2,448
2	Polycatenation, polythreading and polyknotting in coordination network chemistry. <i>Coordination Chemistry Reviews</i> , 2003, 246, 247-289.	18.8	1,880
3	Interpenetrating metal-organic and inorganic 3D networks: a computer-aided systematic investigation. Part I. Analysis of the Cambridge structural database. <i>CrystEngComm</i> , 2004, 6, 377-395.	2.6	1,116
4	MO theory made visible. <i>Journal of Chemical Education</i> , 1990, 67, 399.	2.3	828
5	Vertex-, face-, point-, Schläfli-, and Delaney-symbols in nets, polyhedra and tilings: recommended terminology. <i>CrystEngComm</i> , 2010, 12, 44-48.	2.6	694
6	Underlying nets in three-periodic coordination polymers: topology, taxonomy and prediction from a computer-aided analysis of the Cambridge Structural Database. <i>CrystEngComm</i> , 2011, 13, 3947.	2.6	626
7	Borromean links and other non-conventional links in ∞ -polycatenated TM coordination polymers: re-examination of some puzzling networks. <i>CrystEngComm</i> , 2003, 5, 269-279.	2.6	361
8	Polymeric Layers Catenated by Ribbons of Rings in a Three-Dimensional Self-Assembled Architecture: A Nanoporous Network with Spongelike Behavior. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1506-1510.	13.8	357
9	Interpenetrating metal-organic and inorganic 3D networks: a computer-aided systematic investigation. Part II [1]. Analysis of the Inorganic Crystal Structure Database (ICSD). <i>Journal of Solid State Chemistry</i> , 2005, 178, 2452-2474.	2.9	335
10	1-, 2-, and 3-Dimensional Polymeric Frames in the Coordination Chemistry of AgBF ₄ with Pyrazine. The First Example of Three Interpenetrating 3-Dimensional Triconnected Nets. <i>Journal of the American Chemical Society</i> , 1995, 117, 4562-4569.	13.7	302
11	Novel Networks of Unusually Coordinated Silver(I) Cations: The Wafer-Like Structure of [Ag(py ₂) ₂][Ag ₂ (py ₂) ₅](PF ₆) ₃ ·2G and the Simple Cubic Frame of [Ag(py ₂) ₃](SbF ₆). <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1895-1898.	4.4	286
12	Self-Assembly of Infinite Double Helical and Tubular Coordination Polymers from Ag(CF ₃ SO ₃) and 1,3-Bis(4-pyridyl)propane. <i>Inorganic Chemistry</i> , 1997, 36, 3812-3813.	4.0	283
13	Experimental Electron Density in a Transition Metal Dimer: $\% \text{Metal}^{\sim} \text{Metal}$ and $\text{Metal}^{\sim} \text{Ligand}$ Bonds. <i>Journal of the American Chemical Society</i> , 1998, 120, 13429-13435.	13.7	270
14	Complex Interwoven Polymeric Frames from the Self-Assembly of Silver(I) Cations and Sebaconitrile. <i>Chemistry - A European Journal</i> , 1999, 5, 237-243.	3.3	267
15	Entangled Two-Dimensional Coordination Networks: A General Survey. <i>Chemical Reviews</i> , 2014, 114, 7557-7580.	47.7	253
16	New polymeric networks from the self-assembly of silver(i) salts and the flexible ligand 1,3-bis(4-pyridyl)propane (bpp). A systematic investigation of the effects of the counterions and a survey of the coordination polymers based on bpp. <i>CrystEngComm</i> , 2002, 4, 121.	2.6	252
17	<i><i>Homo Citans</i></i> and Carbon Allotropes: For an Ethics of Citation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10962-10976.	13.8	251
18	Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C ₆ alkane isomers. <i>Nature Communications</i> , 2018, 9, 1745.	12.8	251

#	ARTICLE	IF	CITATIONS
19	What do we know about three-periodic nets?. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2533-2554.	2.9	247
20	Tailor-Made Microporous Metal-Organic Frameworks for the Full Separation of Propane from Propylene Through Selective Size Exclusion. <i>Advanced Materials</i> , 2018, 30, e1805088.	21.0	241
21	Interpenetrated Three-Dimensional Networks of Hydrogen-Bonded Organic Species: A Systematic Analysis of the Cambridge Structural Database. <i>Crystal Growth and Design</i> , 2008, 8, 519-539.	3.0	232
22	Interpenetrating diamondoid frameworks of silver(I) cations linked by N,N'-bidentate molecular rods. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2755-2756.	2.0	228
23	A new type of entanglement involving one-dimensional ribbons of rings catenated to a three-dimensional network in the nanoporous structure of $[\text{Co}(\text{bix})_2(\text{H}_2\text{O})_2](\text{SO}_4)\cdot 7\text{H}_2\text{O}$ [bix = 1,4-bis(imidazol-1-ylmethyl)benzene]. <i>Chemical Communications</i> , 2004, , 380-381.	4.1	223
24	Low temperature route towards new materials: solvothermal synthesis of metal chalcogenides in ethylenediamine. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 707-735.	18.8	213
25	Three Novel Interpenetrating Diamondoid Networks from Self-Assembly of 1,12-Dodecanedinitrile with Silver(I) Salts. <i>Chemistry - A European Journal</i> , 2002, 8, 1519-1526.	3.3	208
26	High-nuclearity cobalt coordination clusters: Synthetic, topological and magnetic aspects. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1246-1278.	18.8	204
27	Double-Step Gas Sorption of a Two-Dimensional Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2007, 129, 12362-12363.	13.7	189
28	Three-periodic nets and tilings: natural tilings for nets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2007, 63, 418-425.	0.3	188
29	A Porous Covalent Organic Framework with Voided Square Grid Topology for Atmospheric Water Harvesting. <i>Journal of the American Chemical Society</i> , 2020, 142, 2218-2221.	13.7	183
30	An unprecedented triply interpenetrated chiral network of square-planar metal centres from the self-assembly of copper(II) nitrate and 1,2-bis(4-pyridyl)ethyne. <i>Chemical Communications</i> , 1998, , 1837-1838.	4.1	182
31	Non-Natural Eight-Connected Solid-State Materials: A New Coordination Chemistry. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1851-1854.	13.8	176
32	An Indium Layered MOF as Recyclable Lewis Acid Catalyst. <i>Chemistry of Materials</i> , 2008, 20, 72-76.	6.7	175
33	Topological relations between three-periodic nets. II. Binodal nets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, 202-212.	0.3	172
34	Interpenetrated three-dimensional hydrogen-bonded networks from metal-organic molecular and one- or two-dimensional polymeric motifs. <i>CrystEngComm</i> , 2008, 10, 1822.	2.6	160
35	Extended networks via hydrogen bond cross-linkages of $[\text{M}(\text{bipy})]$ ($\text{M} = \text{Zn}^{2+}$ or Fe^{2+} ; $\text{bipy} = 4,4'$ -bipyridyl) linear co-ordination polymers. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1801-1804.	1.1	154
36	Polymeric Helical Motifs from the Self-Assembly of Silver Salts and Pyridazine. <i>Inorganic Chemistry</i> , 1998, 37, 5941-5943.	4.0	152

#	ARTICLE	IF	CITATIONS
37	Open Network Architectures from the Self-Assembly of AgNO ₃ and 5,10,15,20-Tetra(4-pyridyl)porphyrin (H ₂ tppp) Building Blocks: The Exceptional Self-Penetrating Topology of the 3D Network of [Ag ₈ (ZnII ₄ tppp) ₇ (H ₂ O) ₂](NO ₃) ₈ . <i>Angewandte Chemie - International Edition</i> , 2003, 42, 317-322.	13.8	149
38	A Rare-Earth MOF Series: Fascinating Structure, Efficient Light Emitters, and Promising Catalysts. <i>Crystal Growth and Design</i> , 2008, 8, 378-380.	3.0	149
39	A new type of supramolecular entanglement in the silver(I) coordination polymer [Ag ₂ (bpethy) ₅](BF ₄) ₂ [bpethy = 1,2-bis(4-pyridyl)ethyne]. <i>Chemical Communications</i> , 1999, , 449-450.	4.1	148
40	A Short History of an Elusive Yet Ubiquitous Structure in Chemistry, Materials, and Mathematics. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7996-8000.	13.8	147
41	Controlling the Structure of Arenedisulfonates toward Catalytically Active Materials. <i>Chemistry of Materials</i> , 2009, 21, 655-661.	6.7	144
42	Record Complexity in the Polycatenation of Three Porous Hydrogen-Bonded Organic Frameworks with Stepwise Adsorption Behaviors. <i>Journal of the American Chemical Society</i> , 2020, 142, 7218-7224.	13.7	132
43	Chiral packing of chiral quintuple layers polycatenated to give a three-dimensional network in the coordination polymer [Co ₅ (bpe) ₉ (H ₂ O) ₈ (SO ₄) ₄](SO ₄) ₄ ·14H ₂ O [bpe = 1,2-bis(4-pyridyl)ethane]. <i>Chemical Communications</i> , 2000, , 1319-1320.	4.1	130
44	Diverse π-π stacking motifs modulate electrical conductivity in tetrathiafulvalene-based metal-organic frameworks. <i>Chemical Science</i> , 2019, 10, 8558-8565.	7.4	128
45	Using long bis(4-pyridyl) ligands designed for the self-assembly of coordination frameworks and architectures. <i>Dalton Transactions RSC</i> , 2002, , 2714-2721.	2.3	126
46	Highly Interpenetrated Supramolecular Networks Supported by Nâ€¦â€¦â€¦I Halogen Bonding. <i>Chemistry - A European Journal</i> , 2007, 13, 5765-5772.	3.3	124
47	Spectroscopic and theoretical studies on the excited state in diimine dithiolate complexes of platinum(II). <i>Inorganic Chemistry</i> , 1992, 31, 2396-2404.	4.0	121
48	Parallel and Inclined (1D â†’ 2D) Interlacing Modes in New Polyrotaxane Frameworks [M ₂ (bix) ₃ (SO ₄) ₂] [M = Zn(II), Cd(II); Bix = 1,4-Bis(imidazol-1-ylmethyl)benzene]. <i>Crystal Growth and Design</i> , 2005, 5, 37-39.	3.0	117
49	Self-assembly of novel co-ordination polymers containing polycatenated molecular ladders and intertwined two-dimensional tilings. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1799-1804.	1.1	114
50	Super Flexibility of a 2D Cu-Based Porous Coordination Framework on Gas Adsorption in Comparison with a 3D Framework of Identical Composition: Framework Dimensionality-Dependent Gas Adsorptivities. <i>Journal of the American Chemical Society</i> , 2011, 133, 10512-10522.	13.7	112
51	Self-assembly of a three-dimensional network from two-dimensional layers via metallic spacers: the (3,4)-connected frame of [Ag ₃ (hmt) ₂](ClO ₄) ₃ ·2H ₂ O (hmt = hexamethylenetetramine). <i>Chemical Communications</i> , 1997, , 631-632.	4.1	109
52	Coordination networks from the self-assembly of silver salts and the linear chain dinitriles NC(CH ₂) _n CN (n = 2 to 7): a systematic investigation of the role of counterions and of the increasing length of the spacers. <i>CrystEngComm</i> , 2002, 4, 413-425.	2.6	105
53	Supramolecular isomers in the same crystal: a new case involving two different types of layers polycatenated in the 3D architecture of [Cu(bix) ₂ (SO ₄) ₂] ₂ ·7.5H ₂ O [bix = 1,4-bis(imidazol-1-ylmethyl)benzene]. <i>CrystEngComm</i> , 2004, 6, 96-101.	2.6	105
54	A Three-Dimensional, Three-Connected Cubic Network of the SrSi ₂ Topological Type in Coordination Polymer Chemistry: [Ag(hmt)](PF ₆) ₂ ·H ₂ O (hmt = Hexamethylenetetraamine). <i>Journal of the American Chemical Society</i> , 1995, 117, 12861-12862.	13.7	103

#	ARTICLE	IF	CITATIONS
55	Heterometallic Modular Metal-Organic 3D Frameworks Assembled via New Tris-ketone Metalloligands: Nanoporous Materials for Anion Exchange and Scaffolding of Selected Anionic Guests. <i>Chemistry - A European Journal</i> , 2010, 16, 12328-12341.	3.3	101
56	A three-dimensional nanoporous flexible network of square-planar copper(II) centres with an unusual topology. Electronic supplementary information (ESI) available: XRPD spectra. See http://www.rsc.org/suppdata/cc/b2/b202588d/ . <i>Chemical Communications</i> , 2002, , 1354-1355.	4.1	100
57	A New Polycatenated 3D Array of Interlaced 2D Brickwall Layers and 1D Molecular Ladders in [Mn ₂ (bix) ₃ (NO ₃) ₃ ·2CHCl ₃] ₄ [bix = 1,4-bis(imidazol-1-ylmethyl)benzene] That Undergoes Supramolecular Isomerization upon Guest Removal. <i>Crystal Growth and Design</i> , 2008, 8, 162-165.	3.0	97
58	Interpenetrated and Noninterpenetrated Three-Dimensional Networks in the Polymeric Species Ag(tta) and 2Ag(tta)·AgNO ₃ (tta=tetrazolate): The First Examples of the 1/4·1:1:1:1 Bonding Mode for Tetrazolate. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3488-3492.	3.1	96
59	Urea Metal-Organic Frameworks for Nitro-Substituted Compounds Sensing. <i>Inorganic Chemistry</i> , 2017, 56, 1446-1454.	4.0	92
60	Topochemical Synthesis of Single-Crystalline Hydrogen-Bonded Cross-Linked Organic Frameworks and Their Guest-Induced Elastic Expansion. <i>Journal of the American Chemical Society</i> , 2019, 141, 10915-10923.	13.7	92
61	New architectures from the self-assembly of MII(SO ₄) salts with bis(4-pyridyl) ligands. The first case of polycatenation involving three distinct sets of 2D polymeric (4,4)-layers parallel to a common axis. <i>CrystEngComm</i> , 2003, 5, 190.	2.6	90
62	The Zeolite Conundrum: Why Are There so Many Hypothetical Zeolites and so Few Observed? A Possible Answer from the Zeolite-Type Frameworks Perceived As Packings of Tiles. <i>Chemistry of Materials</i> , 2013, 25, 412-424.	6.7	90
63	2D Polymeric Silver(I) Complexes Consisting of Markedly Undulated Sheets of Squares. X-ray Crystal Structures of [Ag(ppz) ₂](BF ₄) and [Ag(py ₂) ₂](PF ₆) (ppz = Piperazine, py ₂ = Pyrazine). <i>Inorganic Chemistry</i> , 1995, 34, 5698-5700.	4.0	88
64	Experimental Electron Density Studies for Investigating the Metal-Ligand Bond: The Case of Bis(1,5-cyclooctadiene)nickel. <i>Journal of the American Chemical Society</i> , 1998, 120, 1447-1455.	13.7	88
65	Highly interpenetrated diamondoid nets of Zn(II) and Cd(II) coordination networks from mixed ligands. <i>CrystEngComm</i> , 2012, 14, 537-543.	2.6	88
66	The asc Trinodal Platform: Two-Step Assembly of Triangular, Tetrahedral, and Trigonal-Prismatic Molecular Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2902-2905.	13.8	88
67	Predicting crystal growth via a unified kinetic three-dimensional partition model. <i>Nature</i> , 2017, 544, 456-459.	27.8	88
68	Generating carbon schwarzites via zeolite-templating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8116-E8124.	7.1	88
69	Discrete molecular and extended polymeric copper(I) halide complexes of tetradentate thioether macrocycles. <i>Dalton Transactions RSC</i> , 2001, , 456-465.	2.3	83
70	Ligand isomerism-controlled structural diversity of cadmium(II) perchlorate coordination polymers containing dipyridyladipoamide ligands. <i>CrystEngComm</i> , 2009, 11, 168-176.	2.6	82
71	Natural Tilings for Zeolite-Type Frameworks. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10160-10170.	3.1	82
72	Metallization-Prompted Robust Porphyrin-Based Hydrogen-Bonded Organic Frameworks for Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	81

#	ARTICLE	IF	CITATIONS
73	Structural studies of molecular-based nanoporous materials. Novel networks of silver(I) cations assembled with the polydentate N-donor bases hexamethylenetetramine and 1,3,5-triazine. <i>Journal of Materials Chemistry</i> , 1997, 7, 1271-1276.	6.7	80
74	Three-dimensional architectures of intertwined planar coordination polymers: the first case of interpenetration involving two different bidimensional polymeric motifs. <i>New Journal of Chemistry</i> , 1998, 22, 1319-1321.	2.8	80
75	A method for topological analysis of high nuclearity coordination clusters and its application to Mn coordination compounds. <i>Dalton Transactions</i> , 2012, 41, 4634.	3.3	80
76	Extracting Crystal Chemistry from Amorphous Carbon Structures. <i>ChemPhysChem</i> , 2017, 18, 873-877.	2.1	80
77	Possible Hard Materials Based on Interpenetrating Diamond-like Networks. <i>Journal of the American Chemical Society</i> , 1994, 116, 9634-9637.	13.7	78
78	Molecular mechanism of photosynthetic oxygen evolution. A theoretical approach. <i>Journal of the American Chemical Society</i> , 1992, 114, 4374-4382.	13.7	76
79	A novel two-dimensional mercury antimony telluride: low temperature synthesis and characterization of RbHgSbTe ₃ . <i>Journal of Alloys and Compounds</i> , 1997, 262-263, 28-33.	5.5	76
80	New examples of self-catenation in two three-dimensional polymeric co-ordination networks. <i>Dalton Transactions RSC</i> , 2000, , 3821-3828.	2.3	74
81	Distinguishing Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2018, 18, 1738-1747.	3.0	74
82	Predicting superhard materials via a machine learning informed evolutionary structure search. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	74
83	Polycatenation weaves a 3D web. <i>Nature Chemistry</i> , 2010, 2, 435-436.	13.6	73
84	A Novel 3D Three-Connected Cubic Network Containing [Ag ₆ (hmt) ₆] ₆ +Hexagonal Units (hmt =) $\text{Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3}$	4.0	72
85	New Metal-Organic Framework with Uninodal 4-Connected Topology Displaying Interpenetration, Self-Catenation, and Second-Order Nonlinear Optical Response. <i>Crystal Growth and Design</i> , 2010, 10, 1489-1491.	3.0	71
86	Nanocluster Model of Intermetallic Compounds with Giant Unit Cells: I^2 , I^2 -Mg ₂ Al ₃ Polymorphs. <i>Inorganic Chemistry</i> , 2010, 49, 1811-1818.	4.0	68
87	Synthesis, structure characterization and magnetic properties of tellurostannates [M(en) ₃ (Sn ₂ Te ₆) (M = Mn, Zn). <i>Inorganica Chimica Acta</i> , 1998, 273, 310-315.	2.4	66
88	Interpenetrated metal-organic frameworks of self-catenated four-connected mok nets. <i>Chemical Communications</i> , 2011, 47, 5982.	4.1	66
89	A topological method for the classification of entanglements in crystal networksA preliminary account of this work was presented at the workshop 'Topological dynamics in physics and biology' held in Pisa, 12-13 July 2011.. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, 484-493.	0.3	66
90	Data-driven learning and prediction of inorganic crystal structures. <i>Faraday Discussions</i> , 2018, 211, 45-59.	3.2	66

#	ARTICLE	IF	CITATIONS
91	Monitoring the Crystal Growth and Interconversion of New Coordination Networks in the Self-assembly of MCl ₂ Salts (M = Co, Ni, Cu, Cd) and 1,3-Bis(4-pyridyl)propane. <i>Chemistry of Materials</i> , 2002, 14, 12-16.	6.7	65
92	Deconstruction of Crystalline Networks into Underlying Nets: Relevance for Terminology Guidelines and Crystallographic Databases. <i>Crystal Growth and Design</i> , 2018, 18, 3411-3418.	3.0	65
93	Silver(I) polymeric coordination frameworks assembled with the new multimodal ligand 2,2'-azobispyrazine. <i>New Journal of Chemistry</i> , 2003, 27, 483-489.	2.8	64
94	Water-stable fluorinated metal-organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution. <i>Green Chemistry</i> , 2018, 20, 5336-5345.	9.0	64
95	Exploring Tellurides: Synthesis and Characterization of New Binary, Ternary, and Quaternary Compounds. <i>Journal of Solid State Chemistry</i> , 1995, 117, 247-255.	2.9	62
96	A three-dimensional racemate™. Interpenetration of two enantiomeric networks of the SrSi ₂ topological type in the polymeric complex [Ag ₂ (2,3-Me ₂ pyz) ₃][SbF ₆] ₂ (2,3-Me ₂ pyz = Tj ETQq0 0 0 rgBT /Overclock 10 7150 537 T		
97	Crystal Engineering of Mixed-Metal Ru-Ag Coordination Networks by Using the trans-[RuCl ₂ (pyz) ₄] (pyz=pyrazine) Building Block This work was supported by MURST within the project "Solid Supermolecules" 2000-2001 and by CSMTBO-CNR Center.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1907.	13.8	60
98	Polymeric Networks of Silver(I) and Copper(I) Ions Linked by an Anionic Acetylonyl Derivative of Tetracyanoethylene. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1088-1090.	4.4	58
99	β-Brass Polyhedral Core in Intermetallics: The Nanocluster Model. <i>Inorganic Chemistry</i> , 2013, 52, 13094-13107.	4.0	57
100	Three Lanthanum MOF Polymorphs: Insights into Kinetically and Thermodynamically Controlled Phases. <i>Inorganic Chemistry</i> , 2009, 48, 4707-4713.	4.0	56
101	Autoluminescent Metal-Organic Frameworks (MOFs): Self-Photoemission of a Highly Stable Thorium MOF. <i>Journal of the American Chemical Society</i> , 2018, 140, 14144-14149.	13.7	56
102	Synthesis, Chemical Characterization, and Bonding Analysis of the [Ag{Fe(CO) ₄ } ₂] ₃ -, [Ag ₄ {μ ₂ -Fe(CO) ₄ } ₄] ₄ -, and [Ag ₅ {μ ₂ -Fe(CO) ₄ } ₂ {μ ₃ -Fe(CO) ₄ } ₂] ₃ - Cluster Anions. X-ray Structural Determination of [NMe ₃ CH ₂ Ph] ₄ [Ag ₄ Fe ₄ (CO) ₁₆] and [NEt ₄] ₃ [Ag ₅ Fe ₄ (CO) ₁₆]. <i>Inorganic Chemistry</i> , 1994, 33, 5320-5328.	4.0	55
103	Novel hetero-bimetallic metalla-macrocycles based on the bis-1-pyridyl ferrocene [Fe(1-5-C ₅ H ₄ -1-C ₅ H ₄ N) ₂] ligand. Design, synthesis and structural characterization of the complexes [Fe(1-5-C ₅ H ₄ -1-C ₅ H ₄ N) ₂](Ag ^I) ₂₂₊ /(Cu ^{II}) ₂₄₊ /(Zn ^{II}) ₂₄₊ . <i>Chemical Communications</i> , 2002, , 1080-1081.	4.1	54
104	Dendrimeric Tectons in Halogen Bonding-Based Crystal Engineering. <i>Crystal Growth and Design</i> , 2008, 8, 654-659.	3.0	54
105	New Type of Polymeric Indium Tellurides: Low-Temperature Synthesis and Structure Characterization of [M(en) ₃]In ₂ Te ₆ (M = Fe, Zn) and 1±- and 1 ² -[Mo ₃ (en) ₃ (1/4 ² -Te) ₃ (1/4 ³ -Te)(1/4 ³ -O)]In ₂ Te ₆ . <i>Inorganic Chemistry</i> , 1997, 36, 1437-1442.		53
106	Generation of a 4-crossing [2]-catenane motif by the 2D→2D parallel interpenetration of pairs of (4,4) sheets. <i>CrystEngComm</i> , 2008, 10, 1123.	2.6	52
107	How 2-periodic coordination networks are interweaved: entanglement isomerism and polymorphism. <i>CrystEngComm</i> , 2017, 19, 1993-2006.	2.6	51
108	Four new 2D porous polymeric frames from the self-assembly of silver triflate and silver tosylate with free-base and Zn-metallated 5,10,15,20-tetra(4-pyridyl)porphyrin. <i>CrystEngComm</i> , 2005, 7, 78.	2.6	49

#	ARTICLE	IF	CITATIONS
109	Structural Properties and Topological Diversity of Polymeric Ag(I)-hexamethylenetetramine Complexes: Self-Assembly of Three Novel Two-Dimensional Coordination Networks and Their Supramolecular Interactions. <i>Journal of Solid State Chemistry</i> , 2000, 152, 211-220.	2.9	48
110	Size-Selective Urea-Containing Metal-Organic Frameworks as Receptors for Anions. <i>Inorganic Chemistry</i> , 2020, 59, 16421-16429.	4.0	48
111	New metal-organic frameworks and supramolecular arrays assembled with the bent ditopic ligand 4,4-diaminodiphenylmethane. <i>CrystEngComm</i> , 2006, 8, 696-706.	2.6	47
112	Design, Synthesis, and Structural Characterization of Molecular and Supramolecular Heterobimetallic Metallamacrocycles Based on the 1,1'-Bis(4-pyridyl)ferrocene (Fe(η -5-C ₅ H ₄ -1-C ₅ H ₄ N) ₂) Ligand. <i>Organometallics</i> , 2003, 22, 4532-4538.	2.3	45
113	An Unusual Three-Dimensional Coordination Network Formed by Parallel Polycatenation of Two-Fold Interpenetrated (6,3) Layers Based on a Novel Three-Connecting Ligand. <i>Crystal Growth and Design</i> , 2004, 4, 29-32.	3.0	45
114	The novel metalloligand [Fe(bppd) ₃] (bppd = 1,3-bis(4-pyridyl)-1,3-propanedionate) for the crystal engineering of heterometallic coordination networks with different silver salts. Anionic control of the structures. <i>CrystEngComm</i> , 2011, 13, 5891.	2.6	45
115	From zeolite nets to sp ³ carbon allotropes: a topology-based multiscale theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1332-1338.	2.8	45
116	Rb ₂ Hg ₃ Te ₄ : A New Layered Compound Synthesized from Solvothermal Reactions. <i>Inorganic Chemistry</i> , 1997, 36, 684-687.	4.0	44
117	Nanoporous three-dimensional networks topologically related to Cooperite from the self-assembly of copper(I) centres and the "square-planar" building block 1,2,4,5-tetracyanobenzene. <i>New Journal of Chemistry</i> , 1999, 23, 397-402.	2.8	44
118	Crystal engineering of coordination polymers and architectures using the [Cu(2,2'-bipy)] ²⁺ molecular corner as building block (bipy = 2,2'-bipyridyl). <i>CrystEngComm</i> , 2000, 2, 154-163.	2.6	44
119	Li-Filled, B-Substituted Carbon Clathrates. <i>Journal of the American Chemical Society</i> , 2015, 137, 12639-12652.	13.7	42
120	Neue Netzwerke von Silberkationen in ungewöhnlicher Koordination: die waffelartige Struktur von [Ag(py ₂) ₂][Ag ₂ (py ₂) ₅](PF ₆) ₂ · 2G und das einfache kubische Gerüst von [Ag(py ₂) ₃](SbF ₆) ₂ . <i>Angewandte Chemie</i> , 1995, 107, 2037-2040.	2.0	41
121	A new insight from qualitative MO theory into the problem of the Fe-Fe bond in Fe ₂ (CO) ₉ . <i>Journal of Organometallic Chemistry</i> , 1990, 386, 203-208.	1.8	40
122	Intermetal bonding network in two-dimensional tetranuclear clusters. <i>Journal of the American Chemical Society</i> , 1990, 112, 5484-5496.	13.7	40
123	New Types of Multishell Nanoclusters with a Frank-Kasper Polyhedral Core in Intermetallics. <i>Inorganic Chemistry</i> , 2011, 50, 5714-5724.	4.0	39
124	Textural properties of a large collection of computationally constructed MOFs and zeolites. <i>Microporous and Mesoporous Materials</i> , 2014, 186, 207-213.	4.4	38
125	Interlinked molecular squares with [Cu(2,2'-bipy)] ²⁺ corners generating a three-dimensional network of unprecedented topological type. <i>Chemical Communications</i> , 2001, , 1198-1199.	4.1	35
126	Metal-organic coordination frameworks assembled with the long flexible ligand 4,4'-bis(imidazol-1-ylmethyl)biphenyl. <i>CrystEngComm</i> , 2008, 10, 1191.	2.6	35

#	ARTICLE	IF	CITATIONS
127	A Collection of Topological Types of Nanoclusters and Its Application to Icosahedron-Based Intermetallics. <i>Inorganic Chemistry</i> , 2015, 54, 6616-6630.	4.0	35
128	Molecular orbital analysis of the orientation-dependent barrier to direct exchange reactions. <i>Journal of the American Chemical Society</i> , 1991, 113, 3217-3225.	13.7	33
129	Ligand dependent topology changes in six zinc coordination polymers. <i>CrystEngComm</i> , 2010, 12, 711-719.	2.6	33
130	Solvothermal synthesis and crystal structure of [La(ethylenediamine) ₄ Cl]In ₂ Te ₄ : A 1-D indium telluride. <i>Inorganica Chimica Acta</i> , 1998, 273, 255-258.	2.4	32
131	The Cation as a Tool to Get Spin-Canted Three-Dimensional Iron(III) Networks. <i>Inorganic Chemistry</i> , 2004, 43, 5177-5179.	4.0	32
132	1,2-eq,eq-[Re ₂ (CO) ₈ (THF) ₂]: A Reactive Re ₂ (CO) ₈ Fragment That Easily Activates H-H and C-H Bonds. <i>Organometallics</i> , 1999, 18, 2091-2098.	2.3	31
133	Packing topology in crystals of proteins and small molecules: a comparison. <i>Scientific Reports</i> , 2017, 7, 13209.	3.3	31
134	Breathing Metal-Organic Framework Based on Flexible Inorganic Building Units. <i>Crystal Growth and Design</i> , 2020, 20, 320-329.	3.0	31
135	[Fe(en) ₃] ₂ (Hg ₂ Te ₉): A Novel Tellurometalate Containing One-Dimensional Chains of Weakly Bound Zintl Anions (Hg ₂ Te ₉) ⁴⁻ . <i>Inorganic Chemistry</i> , 1995, 34, 6417-6418.	4.0	30
136	Topology of Intermetallic Structures: From Statistics to Rational Design. <i>Accounts of Chemical Research</i> , 2018, 51, 21-30.	15.6	30
137	Halogen-bonded and interpenetrated networks through the self-assembly of diiodoperfluoroarene and tetrapryridyl tectons. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1218-1224.	1.7	29
138	Metal-organic frameworks assembled from flexible alicyclic carboxylate and bipyridyl ligands for sensing of nitroaromatic explosives. <i>CrystEngComm</i> , 2016, 18, 4530-4537.	2.6	29
139	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11391-11397.	13.8	29
140	Site Preference of Ligand and Metal Substitution in Trigonal-Bipyramidal Metal Carbonyl Clusters. <i>Organometallics</i> , 1997, 16, 2101-2109.	2.3	27
141	[Rh ₂₈ N ₄ (CO) ₄₁ H _x] ₄ , a Massive Carbonyl Cluster with Four Interstitial Nitrogen Atoms. <i>Journal of the American Chemical Society</i> , 1997, 119, 1450-1451.	13.7	27
142	Coordination Symmetry-Dependent Structure Restoration Function of One-Dimensional MOFs by Molecular Respiration. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25565-25567.	2.6	27
143	Influence of the counter ion on the structure of two new copper(I) coordination polymers: Synthesis, structural characterization and thermal analysis. <i>Journal of Molecular Structure</i> , 2013, 1037, 236-241.	3.6	26
144	Capture of volatile iodine by newly prepared and characterized non-porous [Cu] _n -based coordination polymers. <i>CrystEngComm</i> , 2017, 19, 6116-6126.	2.6	26

#	ARTICLE	IF	CITATIONS
145	Ultrasound and solvothermal synthesis of a new urea-based metal-organic framework as a precursor for fabrication of cadmium(II) oxide nanostructures. <i>Inorganica Chimica Acta</i> , 2019, 484, 386-393.	2.4	26
146	Hierarchically Structured Allotropes of Phosphorus from Data-Driven Exploration. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15880-15885.	13.8	26
147	Homo- and heterobimetallic trihydride complexes stabilized by the tripodal phosphine ligand MeC(CH ₂ PPh ₂) ₃ : experimental and theoretical studies. <i>Inorganic Chemistry</i> , 1989, 28, 2552-2560.	4.0	25
148	Coadsorption of carbon monoxide and hydrogen on the nickel(100) surface: a theoretical investigation of site preferences and surface bonding. <i>The Journal of Physical Chemistry</i> , 1990, 94, 1554-1564.	2.9	25
149	Structural directing roles of isomeric phenylenediacetate ligands in the formation of coordination networks based on flexible N,N'-di(3-pyridyl)suberoamide. <i>CrystEngComm</i> , 2015, 17, 90-97.	2.6	25
150	Synthesis and Characterization of Ba ₂ SnTe ₅ : A New Zintl Phase Containing Unique One-Dimensional Chains of (SnTe ₃) ₂ - and Dimeric Units of (Te ₂) ₂ -. <i>Chemistry of Materials</i> , 1996, 8, 598-600.	6.7	24
151	Insight into the SBU Condensation in Mg Coordination and Supramolecular Frameworks: A Combined Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2012, 134, 4762-4771.	13.7	24
152	New Ternary Germanides La ₄ Mg ₅ Ge ₆ and La ₄ Mg ₇ Ge ₆ : Crystal Structure and Chemical Bonding. <i>Inorganic Chemistry</i> , 2012, 51, 207-214.	4.0	24
153	Crystallization Behavior of Coordination Polymers. 1. Kinetic and Thermodynamic Features of 1,3-Bis(4-pyridyl)propane/MCl ₂ Systems. <i>Crystal Growth and Design</i> , 2009, 9, 5024-5034.	3.0	23
154	Three Cationic, Nonporous Cu ^I -Coordination Polymers: Structural Investigation and Vapor Iodine Capture. <i>Crystal Growth and Design</i> , 2018, 18, 7207-7218.	3.0	22
155	Influence of the counter anion and steric hindrance of pyrazolyl and imidazolyl flexible ligands on the structure of zinc-based coordination polymers. <i>Inorganica Chimica Acta</i> , 2014, 414, 217-225.	2.4	21
156	A Database of Topological Representations of Polynuclear Nickel Compounds. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 520-526.	2.0	20
157	Diorganotin(IV) complexes with 2-furancarboxylic acid hydrazone derivative of benzoylacetone: Synthesis, X-ray structure, antibacterial activity, DNA cleavage and molecular docking. <i>Journal of Organometallic Chemistry</i> , 2015, 794, 223-230.	1.8	20
158	Migration of hydrogen from metal to alkene promoted by dioxygen addition. Oxygen atom transfer from a cis-(alkyl)(1,2-dioxygen) complex of rhodium to organic and inorganic substrates. <i>Journal of Organometallic Chemistry</i> , 1989, 369, C6-C10.	1.8	19
159	H/D exchange via reversible pyridine ortho-metallation, and competition between C-H oxidative addition and CO coordination in hydrido-carboxyl triangular rhenium clusters: a 1H-NMR investigation. X-ray crystal structure of the anion [Re ₃ (1/4-H) ₂ (CO) ₁₁ (Py)] ⁻ . <i>Journal of Organometallic Chemistry</i> , 1995, 504, 15-26.	1.8	19
160	Searching New Crystalline Substrates for OMBE: Topological and Energetic Aspects of Cleavable Organic Crystals. <i>Crystal Growth and Design</i> , 2016, 16, 1572-1582.	3.0	19
161	Bonding analyses of unconventional carbon allotropes. <i>Carbon</i> , 2017, 121, 154-162.	10.3	19
162	Designing All Graphdiyne Materials as Graphene Derivatives: Topologically Driven Modulation of Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18456-18466.	3.1	19

#	ARTICLE	IF	CITATIONS
163	Hydrothermal Synthesis and Structural Characterization of a Novel Hydroxo Stannate: Sr ₂ Sn(OH) ₈ . Journal of Solid State Chemistry, 2000, 151, 56-60.	2.9	18
164	Preparation and electrochemical behaviour of {[Ru(bipy) ₄ Cl ₂ Ag]NO ₃ (CHCl ₃)·6H ₂ O} _n obtained from the self-assembly of trans-Ru(bipy) ₄ Cl ₂ and AgNO ₃ . Electrochimica Acta, 2007, 52, 2603-2611.	5.2	18
165	Nets with collisions (unstable nets) and crystal chemistry. Acta Crystallographica Section A: Foundations and Advances, 2013, 69, 535-542.	0.3	18
166	<i>CrystalGrower</i>: a generic computer program for Monte Carlo modelling of crystal growth. Chemical Science, 2021, 12, 1126-1146.	7.4	18
167	Construction of N,N'-di(3-pyridyl)adipoamide-based Zn(II) and Cd(II) coordination networks by tuning the isomeric effect of polycarboxylate ligands. CrystEngComm, 2013, 15, 10346.	2.6	17
168	The R ₂ Pd ₃ Ge ₅ (R = La, Nd, Sm) germanides: synthesis, crystal structure and symmetry reduction. Structural Chemistry, 2016, 27, 1693-1701.	2.0	17
169	<i>Homo Citans</i> und Kohlenstoffallotrope: Für eine Ethik des Zitierens. Angewandte Chemie, 2016, 128, 11122-11139.	2.0	17
170	Combined DFT and geometrical/topological analysis of Li-ion conductivity in complex hydrides. Inorganic Chemistry Frontiers, 2020, 7, 3115-3125.	6.0	17
171	The electron-deficient planar tetrairon cluster octacarbonyltetrakis(pyridine)tetrairon. Inorganic Chemistry, 1989, 28, 1122-1127.	4.0	16
172	The xenon-chlorine conundrum: van der Waals complex or linear molecule?. Journal of the American Chemical Society, 1991, 113, 7184-7189.	13.7	16
173	Theoretical modeling of the mechanism of dioxygen activation and evolution by tetranuclear manganese complexes. Inorganica Chimica Acta, 1993, 213, 319-324.	2.4	16
174	Self-Catenated Coordination Polymers Involving Bis-pyridyl-bis-amide. Crystal Growth and Design, 2017, 17, 1991-1998.	3.0	16
175	Electrochemistry of the two-dimensional heteronuclear [Fe ₃ Pt ₃ (CO) ₁₅] _n clusters (n=2-, 1-, 0): MO treatment of the skeletal adjustments in 86-84e ⁻ congeners. Journal of Cluster Science, 1990, 1, 93-106.	3.3	15
176	Ortho-metalated pyridine derivatives of the unsaturated rhenium cluster anion [Re ₃ (μ-H) ₄ (CO) ₁₀] ⁻ . Syntheses and x-ray crystal structures of the tetraethylammonium salts of the anions [Re ₃ (μ-H) ₃ (μ ₂ -NC ₅ H ₄)(CO) ₁₀] ⁻ and [Re ₃ (μ-H) ₃ (μ ₂ -NC ₅ H ₄)(CO) ₉ (NC ₅ H ₅)] ⁻ . Organometallics, 1993, 12, 4863-4870.	2.3	15
177	X-ray powder diffraction as a tool for facing twins: the case of the monoclinic niobium cobalt ditelluride and tantalum cobalt ditelluride phases. Inorganic Chemistry, 1993, 32, 4829-4833.	4.0	15
178	A Test of the Suitability of CCD Area Detectors for Accurate Electron-Density Studies. Journal of Applied Crystallography, 1998, 31, 583-588.	4.5	15
179	Metallization-Prompted Robust Porphyrin-Based Hydrogen-Bonded Organic Frameworks for Photocatalytic CO ₂ Reduction. Angewandte Chemie, 2022, 134, .	2.0	15
180	Synthesis and crystal structure of a new alkaline-earth metal chalcogenide: Barium ditelluride. Materials Research Bulletin, 1994, 29, 1041-1048.	5.2	14

#	ARTICLE	IF	CITATIONS
181	Main Group Element Nets to a T. <i>Inorganic Chemistry</i> , 2004, 43, 2526-2540.	4.0	14
182	Synthesis and characterization of new oligomeric and polymeric complexes based on the [CuII(bpca)] ⁺ unit [Hbpca=bis(2-pyridylcarbonyl)amine]. <i>Inorganica Chimica Acta</i> , 2011, 376, 538-548.	2.4	14
183	Stabilisation of trivalent nickel through 1 : 2 co-ordination by cyclic terdentate ligands CH ₂ CH ₂ NH(CH ₂) ₂ NH(CH ₂) ₂ X (X = NH, O, or S). <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 229.	1.1	13
184	Phase equilibria in the La-Mg-Ge system at 500°C and crystal structure of the new ternary compounds La ₁₁ Mg ₂ Ge ₇ and LaMg ₃ xGe ₂ . <i>Journal of Solid State Chemistry</i> , 2014, 218, 184-195.	2.9	13
185	Vacancy Ordering as a Driving Factor for Structural Changes in Ternary Germanides: The New R ₂ Zn _{1-x} Ge ₆ Series of Polar Intermetallics (R = Rare-Earth Metal). <i>Inorganic Chemistry</i> , 2015, 54, 2411-2424.	4.0	13
186	Toward Engineering Chiral Rodlike Metal-Organic Frameworks with Rare Topologies. <i>Inorganic Chemistry</i> , 2018, 57, 12869-12875.	4.0	13
187	Lu ₅ Pd ₄ Ge ₈ and Lu ₃ Pd ₄ Ge ₄ : Two More Germanides among Polar Intermetallics. <i>Crystals</i> , 2018, 8, 205.	2.2	13
188	Customized Synthesis: Solvent- and Acid-Assisted Topology Evolution in Zirconium-Tetracarboxylate Frameworks. <i>Inorganic Chemistry</i> , 2022, 61, 7980-7988.	4.0	13
189	Aromaticity and Agostic Interactions as Stabilizing Factors in Trinuclear Rhenium Clusters with Low Electron Count. <i>Comments on Inorganic Chemistry</i> , 1989, 9, 37-59.	5.2	12
190	Site selectivity in carbon monoxide insertion into a Pt-C≡C bond of the binuclear complex [(CH ₃)ClPt(1/4-Cl)(1/4-Ph ₂ PPy) Pt(CH ₃)(DMSO)]DMSO. Structural characterization of the derivatives [(CH ₃ CO)ClPt(1/4-Cl)(1/4-Ph ₂) Pt(CH ₃)(DMSO)]DMSO. <i>Journal of Organometallic Chemistry</i> , 1988, 337, 484, 71-80.	1.8	12
191	Donor Layer-Acceptor Chain Formation in the LaNiGe ₂ Structure: A Crystallographic and Computational Study. <i>Chemistry of Materials</i> , 1998, 10, 1286-1290.	6.7	12
192	Stepwise formation of heteronuclear coordination networks based on quadruple-bonded dimolybdenum units containing formamidinate ligands. <i>CrystEngComm</i> , 2014, 16, 7385-7388.	2.6	12
193	Self-assembly of three cationic silver(I) coordination networks with flexible bis(pyrazolyl)-based linkers. <i>Polyhedron</i> , 2017, 130, 58-66.	2.2	11
194	A new glance on R ₂ MGe ₆ (R = rare earth metal, M = another metal) compounds. An experimental and theoretical study of R ₂ PdGe ₆ germanides. <i>Dalton Transactions</i> , 2017, 46, 14021-14033.	3.3	11
195	Visualization and Quantification of Geometric Diversity in Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 0, , .	6.7	11
196	Stepwise electron-induced demolition of the Ni-H bond in complexes with tetradentate tripodal ligands: A theoretical rationalization of structural and electrochemical results. <i>Structural Chemistry</i> , 1990, 1, 441-454.	2.0	10
197	Anion-directed assembly of three cationic silver(I) coordination polymers with bis(imidazolyl)-based linker: Structural characterization and anion exchange study. <i>Polyhedron</i> , 2020, 175, 114236.	2.2	10
198	New Quasicrystal Approximant in the Sc-Pd System: From Topological Data Mining to the Bench. <i>Chemistry of Materials</i> , 2020, 32, 1064-1079.	6.7	10

#	ARTICLE	IF	CITATIONS
199	Site Differentiation by Synchrotron Radiation Resonant Scattering: A Case Study of BaZn ₂ Ge ₂ . <i>Chemistry of Materials</i> , 1997, 9, 1463-1466.	6.7	9
200	Interpenetration of three-periodic networks in crystal structures: Description and classification methods, geometrical-topological conditions of implementation. <i>Journal of Structural Chemistry</i> , 2014, 55, 1308-1325.	1.0	9
201	Addition reactions of the unsaturated rhenium cluster anion [Re ₄ (μ-H) ₃ (μ ₃ -H) ₂ (CO) ₁₂] ⁻ with carbon monoxide, triphenylphosphine and acetonitrile and characterization of an unstable adduct with water. X-ray crystal structure of the tetraethylammonium salt of the derivative [Re ₄ (μ-H) ₄ (μ ₃ -H)(CO) ₁₂ (PPh ₃) ₂] ⁻ . <i>Inorganic Chemistry</i> , 1993, 32, 803-810.	4.0	8
202	Ab initio study of new sp ³ silicon and germanium allotropes predicted from the zeolite topologies. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	8
203	A New Group of Edge-transitive 3-Periodic Nets and Their Derived Nets for Reticular Chemistry. <i>Crystal Growth and Design</i> , 2020, 20, 4062-4068.	3.0	8
204	Diversifying molecular and topological space via a supramolecular solid-state synthesis: a purely organic mok net sustained by hydrogen bonds. <i>IUCr</i> , 2019, 6, 1032-1039.	2.2	8
205	Reactions of the nitridocarbonyl cluster anion [Rh ₆ N(CO) ₁₅] ⁻ with strong bases: synthesis and crystal structure of the hydridic dianion [Rh ₆ (μ-H)N(CO) ₁₄] ²⁻ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 471-475.	1.1	7
206	Crystal Engineering of Mixed-Metal Ru-Ag Coordination Networks by Using the trans-[RuCl ₂ (pyz) ₄] (pyz=pyrazine) Building Block This work was supported by MURST within the project "Solid Supermolecules" 2000-2001 and by CSMTBO-CNR Center.. <i>Angewandte Chemie</i> , 2002, 114, 1987.	2.0	7
207	Two Exceptional Patterns of Helical Secondary Building Units Found in Metal-Organic Framework Structures. <i>Crystal Growth and Design</i> , 2017, 17, 2941-2944.	3.0	7
208	Synthesis and characterization of new tetra-substituted porphyrins with exo-donor carboxylic groups as building blocks for supramolecular architectures: Catalytic and structural studies of their metalated derivatives. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 804-814.	0.8	6
209	High-Throughput Electron Diffraction Reveals a Hidden Novel Metal-Organic Framework for Electrocatalysis. <i>Angewandte Chemie</i> , 2021, 133, 11492-11498.	2.0	6
210	Networks, Topologies, and Entanglements. , 0, , 58-85.		6
211	Vibrational properties of graphdiynes as 2D carbon materials beyond graphene. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10524-10536.	2.8	6
212	Synthesis, Structural Analysis, and Superconductivity of Ba _x V ₆ S ₈ . <i>Chemistry of Materials</i> , 2001, 13, 3051-3056.	6.7	5
213	Design of MOFs with Absolute Structures: A Case Study. <i>Israel Journal of Chemistry</i> , 0, , .	2.3	5
214	The Microscopic Diamond Anvil Cell: Stabilization of Superhard, Superconducting Carbon Allotropes at Ambient Pressure. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	5
215	Crystal structures of the new ternary stannides La ₃ Mg ₄ Sn ₂ ⁺ and LaMg ₃ Sn ₂ . <i>Journal of Solid State Chemistry</i> , 2016, 233, 407-414.	2.9	4
216	Isotopy classes for 3-periodic net embeddings. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 275-301.	0.1	4

#	ARTICLE	IF	CITATIONS
217	Totally unimodular nets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2012, 68, 286-294.	0.3	3
218	The Microscopic Diamond Anvil Cell: Stabilization of Superhard, Superconducting Carbon Allotropes at Ambient Pressure. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
219	Topological study of diverse hydrogen-bonded patterns found in a system of a nickel(II) complex and the sulfate anion. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 351-359.	0.5	2
220	The Different Story of π Bonds. <i>Molecules</i> , 2021, 26, 3805.	3.8	2
221	Ab Initio Calculations on Possible Hard Materials Based on Interpenetrating Networks: $\text{SiO}_2 \cdot n \text{BeF}_2$. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16261-16263.	2.9	1
222	Spinel type twins of the new cubic $\text{Er}_6\text{Zn}_{23}\text{Ge}$ compound. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2016, 231, 71-77.	0.8	1
223	Hierarchically Structured Allotropes of Phosphorus from Data-Driven Exploration. <i>Angewandte Chemie</i> , 2020, 132, 16014-16019.	2.0	1
224	The taxonomy of rod-packing coordination networks (CNS). <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s435-s435.	0.1	1