

Antonia Neels

List of Publications by Year in descending order

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265
papers

7,424
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53794

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docs citations

277
times ranked

7980
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose Nanocrystal Inks for 3D Printing of Textured Cellular Architectures. <i>Advanced Functional Materials</i> , 2017, 27, 1604619.	14.9	447
2	1,2,3-Triazolylidenes as Versatile Abnormal Carbene Ligands for Late Transition Metals. <i>Journal of the American Chemical Society</i> , 2008, 130, 13534-13535.	13.7	373
3	Piano-Stool Iron(II) Complexes as Probes for the Bonding of N-Heterocyclic Carbenes: Indications for σ -Acceptor Ability. <i>Organometallics</i> , 2006, 25, 5648-5656.	2.3	185
4	Diastereoselective Formation of Chiral Tris-Cyclometalated Iridium (III) Complexes: Characterization and Photophysical Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 9339-9348.	13.7	174
5	An Experimental and Computational Study on Intramolecular Charge Transfer: A Tetrathiafulvalene-Fused Dipyridophenazine Molecule. <i>Chemistry - A European Journal</i> , 2007, 13, 3804-3812.	3.3	172
6	Mono-, di- and tetra-nuclear p-cymeneruthenium complexes containing oxalato ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 4345-4350.	1.1	160
7	Neutral Ligands with Exceptional Donor Ability for Palladium-Catalyzed Alkene Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6293-6296.	13.8	142
8	Synthesis and Tunability of Abnormal 1,2,3-Triazolylidene Palladium and Rhodium Complexes. <i>Organometallics</i> , 2011, 30, 1021-1029.	2.3	127
9	Chelating NHC Ruthenium(II) Complexes as Robust Homogeneous Hydrogenation Catalysts. <i>Organometallics</i> , 2009, 28, 5112-5121.	2.3	123
10	Ferromagnetic and Antiferromagnetic Intermolecular Interactions in a New Family of Mn ⁴⁺ Complexes with an Energy Barrier to Magnetization Reversal. <i>Journal of the American Chemical Society</i> , 2003, 125, 14046-14058.	13.7	118
11	Rhodium(III) Complexes Containing C ₄ -Bound N-Heterocyclic Carbenes: Synthesis, Coordination Chemistry, and Catalytic Activity in Transfer Hydrogenation. <i>Organometallics</i> , 2008, 27, 3161-3171.	2.3	110
12	Probing the potential of N-heterocyclic carbenes in molecular electronics: redox-active metal centers interlinked by a rigid ditopic carbene ligand. <i>Dalton Transactions</i> , 2008, , 5570.	3.3	110
13	Synthesis and Electrochemical and Photophysical Studies of Tetrathiafulvalene-Annulated Phthalocyanines. <i>Journal of Organic Chemistry</i> , 2005, 70, 4988-4992.	3.2	108
14	Molecular Networks Based on Dative Boron-Nitrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3034-3037.	13.8	107
15	Structural Studies of Transition Metal Complexes with 4,5-Bis(2-pyridylmethylsulfanyl)-4,5-ethylenedithiotetrathiafulvalene: Probing Their Potential for the Construction of Multifunctional Molecular Assemblies. <i>Inorganic Chemistry</i> , 2003, 42, 4801-4803.	4.0	101
16	On the Electronic Impact of Abnormal C ₄ -Bonding in N-Heterocyclic Carbene Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 9375-9386.	3.3	101
17	Synthesis and Spectroscopic Characterization of a New Family of Ni ⁴⁺ Spin Clusters. <i>Inorganic Chemistry</i> , 2005, 44, 4315-4325.	4.0	92
18	One-Dimensional $\frac{1}{4}$ -Chloromanganese(II)-Tetrathiafulvalene (TTF) Coordination Compound. <i>Inorganic Chemistry</i> , 2006, 45, 3152-3154.	4.0	86

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19	Main-chain organometallic polymers comprising redox-active iron(ii) centers connected by ditopic N-heterocyclic carbenes. Dalton Transactions, 2009, , 7168.	3.3	83
20	Trinuclear Zinc(II) Complexes and Polymeric Cadmium(II) Complexes with the Ligand 2,5-Bis(2-pyridyl)pyrazine: Synthesis, Spectral Analysis, and Single-Crystal and Powder X-ray Analyses. Inorganic Chemistry, 1999, 38, 6164-6170.	4.0	82
21	Synthesis, Structural Diversity, and Ligand-Transfer Potential of (Carbene)copper(I) Complexes. Helvetica Chimica Acta, 2009, 92, 1034-1045.	1.6	79
22	One-Dimensional Manganese Coordination Polymers Composed of Polynuclear Cluster Blocks and Polypyridyl Linkers: Structures and Properties. Inorganic Chemistry, 2008, 47, 11108-11119.	4.0	75
23	Coordination Chemistry of a π -Extended, Rigid and Redox-Active Tetrathiafulvalene-Fused Schiff-Base Ligand. Inorganic Chemistry, 2008, 47, 3452-3459.	4.0	74
24	Laminate fibre structure characterisation of carbon fibre-reinforced polymers by X-ray scatter dark field imaging with a grating interferometer. NDT and E International, 2013, 58, 64-71.	3.7	74
25	Optical transitions in Ge/SiGe multiple quantum wells with Ge-rich barriers. Physical Review B, 2008, 78, .	3.2	73
26	Oxidative functionalisation of alkanes: synthesis, molecular structure and catalytic implications of anionic vanadium(V) oxo and peroxy complexes containing bidentate N,O ligands. Journal of the Chemical Society Dalton Transactions, 1999, , 3169-3175.	1.1	71
27	Crystal Structures and Magnetic Properties of Metal Complexes Bearing Four Nitronyl Nitroxide Moieties in the Same Coordination Sphere. Inorganic Chemistry, 2000, 39, 2087-2095.	4.0	71
28	Cyano-Bridged Structures Based on $[MnII(N3O2-Macrocycle)]2+$: A Synthetic, Structural, and Magnetic Study. Inorganic Chemistry, 2005, 44, 969-978.	4.0	64
29	Three-dimensional bimetallic octacyanidometalates $[MIV\{\frac{1}{4}-CN\}_4MnII(H_2O)_2\cdot 2\cdot 4H_2O]_n$ (M = Nb, Mo, W): Synthesis, single-crystal X-ray diffraction and magnetism. Comptes Rendus Chimie, 2008, 11, 1192-1199.	0.3	64
30	A Dinuclear Ni(II) Complex with Two Types of Intramolecular Magnetic Couplings: $Ni(II)\cdots Ni(II)$ and $Ni(II)\cdots TTF$. Inorganic Chemistry, 2006, 45, 9622-9624.	4.0	61
31	Process influences on the structure, piezoelectric, and gas-barrier properties of PVDF-rFE copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 496-506.	2.1	61
32	Mild and rational synthesis of palladium complexes comprising C(4)-bound N-heterocyclic carbenes. Chemical Communications, 2006, , 4495.	4.1	60
33	3D printing of shape-morphing and antibacterial anisotropic nanocellulose hydrogels. Carbohydrate Polymers, 2021, 259, 117716.	10.2	59
34	Predetermined Chirality at Metal Centers of Various Coordination Geometries: A Chiral Cleft Ligand for Tetrahedral (T-4), Square-Planar (SP-4), Trigonal-Bipyramidal (TB-5), Square-Pyramidal (SPY-5), and Octahedral (OC-6) Complexes. Chemistry - A European Journal, 2000, 6, 3575-3585.	3.3	59
35	Pronounced Electrochemical Amphotericity of a Fused Donor-Acceptor Compound: A Planar Merge of TTF with a TCNQ-type Bithienoquinoxaline. Chemistry - A European Journal, 2009, 15, 63-66.	3.3	58
36	Synthesis and structural analysis of palladium biscarbene complexes derived from bisimidazolium ligand precursors. Inorganica Chimica Acta, 2006, 359, 1929-1938.	2.4	56

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37	Thermal Stability of Thin Film Corundum-Type Solid Solutions of $(Al_{1-x}Cr_x)O_3$ Synthesized Under Low-Temperature Non-Equilibrium Conditions. <i>Advanced Engineering Materials</i> , 2007, 9, 604-608.	3.5	54
38	Complex Shaped Cellulose Composites Made by Wet Densification of 3D Printed Scaffolds. <i>Advanced Functional Materials</i> , 2020, 30, 1904127.	14.9	54
39	Imidazole Annulated Tetrathiafulvalenes Exhibiting pH Tuneable Intramolecular Charge Transfer and Redox Properties. <i>Chemistry - an Asian Journal</i> , 2009, 4, 392-399.	3.3	53
40	Heterocyclic amine directed synthesis of metal(ii)-oxalates: investigating the magnetic properties of two complete series of chains with $S = 5/2$ to $S = 1/2$. <i>Dalton Transactions</i> , 2010, 39, 4937.	3.3	52
41	Near infrared image sensor with integrated germanium photodiodes.. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	52
42	Amphiphilic organorutheniumoxomolybdenumoxovanadium clusters. <i>Polyhedron</i> , 1998, 17, 2817-2827.	2.2	51
43	Versatile Strategy To Access Fully Functionalized Benzodifurans: Redox-Active Chromophores for the Construction of Extended π -Conjugated Materials. <i>Journal of Organic Chemistry</i> , 2010, 75, 3350-3357.	3.2	51
44	Palladation of diimidazolium salts at the C4 position: access to remarkably electron-rich palladium(ii) centers. <i>Dalton Transactions</i> , 2008, , 6242.	3.3	49
45	Probing Intermetallic Coupling in Dinuclear N-Heterocyclic Carbene Ruthenium(II) Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 8188-8196.	4.0	47
46	Orientation-selective X-ray dark field imaging of ordered systems. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	46
47	Cluster build-up in aqueous solution: synthesis, structure, protonation and catalytic properties of the trinuclear cation $[(1-6-C_6H_6)(1-6-C_6Me_6)2Ru3(1/4-H)3(1/4-3-O)]^+$. <i>Polyhedron</i> , 1999, 18, 2679-2685.	2.2	45
48	Ten-Membered Rings of Coppers Interconnected by 2,5-Bis(2-pyridyl)pyrazine and Acetate Groups: Synthesis, Crystal Structure, and Magnetic Properties of the Two-Dimensional Polymer catena-(Octakis(μ -2-acetato)[2,5-bis(2-pyridyl)pyrazine]tetracopper(II)). <i>Inorganic Chemistry</i> , 1995, 34, 1946-1949.	4.0	44
49	Synthesis and self-assembly of spin-labile and redox-active manganese(iii) complexes. <i>Dalton Transactions</i> , 2011, 40, 1855.	3.3	44
50	Synthesis and Characterization of a New Family of Bi-, Tri-, Tetra-, and Pentanuclear Ferric Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 5053-5068.	4.0	43
51	Synthesis and X-ray Powder Structures of Nickel(II) and Copper(II) Coordination Polymers with 2,5-Bis(2-pyridyl)pyrazine. <i>Inorganic Chemistry</i> , 1997, 36, 3402-3409.	4.0	42
52	Correlation between target surface and layer nucleation in the synthesis of $Al-Cr-O$ coatings deposited by reactive cathodic arc evaporation. <i>Surface and Coatings Technology</i> , 2010, 205, 1356-1361.	4.8	42
53	Synthesis of tetrathiafulvalene-annulated phthalocyanines. <i>Tetrahedron</i> , 2006, 62, 3543-3549.	1.9	41
54	Inter- and Intramolecular Interactions in Some Supramolecular Photochemical Systems. <i>Advanced Functional Materials</i> , 2006, 16, 286-295.	14.9	40

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55	Ruthenium(II) Coordination Chemistry of a Fused Donor-Acceptor Ligand: Synthesis, Characterization, and Photoinduced Electron-Transfer Reactions of $[\text{Ru}(\text{bpy})_2]^{2+}$ (TTF-ppb)](PF ₆) ₂ ($\text{bpy} = 1,10\text{-phenanthroline}$). <i>Tetrahedron Letters</i> , 2012, 53, 1078-1081.	4.0	40
56	Chelating C ₄ -Bound Imidazolylidene Complexes through Oxidative Addition of Imidazolium Salts to Palladium(0). <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1394-1402.	2.0	40
57	Polarization-dependent absorption in Ge/SiGe multiple quantum wells: Theory and experiment. <i>Physical Review B</i> , 2009, 79, .	3.2	39
58	Lattice Strain and Defects Analysis in Nanostructured Semiconductor Materials and Devices by High-Resolution X-Ray Diffraction: Theoretical and Practical Aspects. <i>Small Methods</i> , 2022, 6, e2100932.	8.6	39
59	Characterization, mechanical properties and dimensional accuracy of a Zr-based bulk metallic glass manufactured via laser powder-bed fusion. <i>Materials and Design</i> , 2021, 199, 109400.	7.0	38
60	Spectroscopic and Structural Characterization of the $[\text{Fe}(\text{imidazole})_6]^{2+}$ Cation. <i>Inorganic Chemistry</i> , 2003, 42, 5771-5777.	4.0	37
61	Novel 3D, 2D, and 0D First-Row Coordination Compounds with 4,4'-Bipyridine-N,N'-dioxide Incorporating Sulfur-Containing Anions. <i>Inorganic Chemistry</i> , 2006, 45, 3287-3294.	4.0	36
62	Excimer formation in crystalline and nanostructured coordination polymers. <i>Chemical Communications</i> , 2010, 46, 8282.	4.1	36
63	Electronic and Molecular Structure of High-Spin d ⁴ Complexes: Experimental and Theoretical Study of the $[\text{Cr}(\text{D}_2\text{O})_6]^{2+}$ Cation in Tutton's Salts. <i>Journal of the American Chemical Society</i> , 2004, 126, 16639-16652.	13.7	35
64	An Original Redox-Responsive Ligand Based on a π -Extended TTF Framework. <i>Organic Letters</i> , 2007, 9, 3753-3756.	4.6	35
65	Smooth C(alkyl)-H bond activation in rhodium complexes comprising abnormal carbene ligands. <i>Dalton Transactions</i> , 2011, 40, 9911.	3.3	35
66	Au-Sn SLID Bonding: A Reliable HT Interconnect and Die Attach Technology. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2013, 44, 406-413.	2.1	35
67	Mercury(II) complexes of stabilized phosphine-phosphonium ylide derived from bis(diphenylphosphino)methane: Synthesis, spectra and crystal structures. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 643-648.	1.8	34
68	Diastereoselective synthesis of coordination compounds: a chiral tripodal ligand based on bipyridine units and its ruthenium(ii) and iron(ii) complexes. <i>Dalton Transactions</i> , 2004, , 402.	3.3	33
69	Approaches to influence the microstructure and the properties of Al-Cr-O layers synthesized by cathodic arc evaporation. <i>Surface and Coatings Technology</i> , 2010, 204, 1722-1728.	4.8	33
70	Rhodium-mediated activation of an alkane-type C-H bond. <i>Chemical Communications</i> , 2010, 46, 315-317.	4.1	33
71	Influence of mosaicity on the fracture behavior of sapphire. <i>Acta Materialia</i> , 2014, 67, 67-80.	7.9	33
72	New Ru ₃ (CO) ₁₂ derivatives with bulky diphosphine ligands: synthesis, structure and catalytic potential for olefin hydroformylation. <i>Polyhedron</i> , 2001, 20, 2771-2780.	2.2	32

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73	Synthesis and Characterization of Tetrahedral Ru ₃ O Clusters with Intrinsic Framework Chirality: A Chiral Probe of the Intact Cluster Catalysis Concept. <i>Organometallics</i> , 2005, 24, 6104-6119.	2.3	32
74	A Synthetic Approach to Asymmetric Phthalocyanines with Peripheral Metal-Binding Sites. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5467-5478.	2.4	32
75	A tetrathiafulvalene-tetracyanoanthraquinodimethane (TTF-TCNAQ) diad with a chemically tunable HOMO-LUMO gap. <i>Tetrahedron</i> , 2007, 63, 11282-11286.	1.9	32
76	Structure-property relationships: Polymorphism, solvates, and clay behavior in the one-dimensional coordination polymer chains [Ag(L)(NO ₃)](H ₂ O) _n , L=ethanediyl bis(isonicotinate), n=0, and 2. <i>Inorganica Chimica Acta</i> , 2007, 360, 212-220.	2.4	32
77	Factors controlling the incubation in the application of ps laser pulses on copper and iron surfaces. <i>Proceedings of SPIE</i> , 2013, .	0.8	32
78	An Efficient and Facile Synthesis of Highly Substituted 2,6-Dicyanoanilines. <i>Journal of Organic Chemistry</i> , 2008, 73, 3596-3599.	3.2	31
79	Open-Pore Organic Material for Retaining Radioactive I ₂ and CH ₃ I. <i>Advanced Functional Materials</i> , 2006, 16, 268-272.	14.9	30
80	Palladium Complexes Containing Potentially Chelating Pyridylidene-Type Carbene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1871-1881.	2.0	30
81	Solid on liquid deposition. <i>Thin Solid Films</i> , 2010, 518, 5061-5065.	1.8	29
82	Reactions of the cationic complex [(1-6-C ₆ Me ₆) ₂ Ru ₂ (1/4 ⁻ H) ₃] ⁺ with nitrogen-containing heterocycles in aqueous solution. <i>Journal of Organometallic Chemistry</i> , 1998, 561, 227-235.	1.8	28
83	High-Nuclearity Mixed-Chelate Ferric Complexes from a New Family of Polynuclear Precursors. <i>Inorganic Chemistry</i> , 2005, 44, 3181-3189.	4.0	28
84	The Exploitation of Versatile Building Blocks for the Self-Assembly of Novel Molecular Magnets. <i>Journal of Solid State Chemistry</i> , 2001, 159, 262-267.	2.9	27
85	Synthesis, structures, redox and photophysical properties of benzodifuran-functionalised pyrene and anthracene fluorophores. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6410.	2.8	26
86	Combining polarized Raman spectroscopy and micropillar compression to study microscale structure-property relationships in mineralized tissues. <i>Acta Biomaterialia</i> , 2021, 119, 390-404.	8.3	26
87	Synthesis and structure of [(C ₅ H ₅)Fe(C ₅ H ₄ PS ₂ OCH ₂ C ₆ H ₄ N ₃)] ⁺ , a new phosphonodithioate derivative, and its coordination chemistry with rhodium(I) and nickel(II). <i>Journal of Organometallic Chemistry</i> , 2001, 633, 85-90.	1.8	25
88	Photochemistry of Allenyl Salicylaldehydes. <i>Organic Letters</i> , 2008, 10, 3175-3178.	4.6	25
89	Parallel coordination of hydrazine to diruthenium units: synthesis and molecular structure of the cationic complexes [(1-6-C ₆ Me ₆) ₂ Ru ₂ (1/4 ⁻ H) ₂ (1/4 ⁻ -1,1-H ₂ NNH ₂)] ₂ ⁺ and [(1-6-C ₆ Me ₆) ₂ Ru ₂ (1/4 ⁻ H)(1/4 ⁻ -1,1-H ₂ NNH ₂)(1/4 ⁻ -NH ₂)] ₂ ⁺ . <i>Journal of Organometallic Chemistry</i> , 1998, 565, 97-103.	1.8	24
90	Synthetic routes for a new family of chiral tetradentate ligands containing pyridine rings. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1894-1899.	2.8	23

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91	Triruthenium-iridium clusters containing alkyne ligands: synthesis, structure, and catalytic implications of $[(\eta^4\text{-H})\text{IrRu}_3(\text{CO})_{11}(\eta^3\text{-1-2-PhC}\equiv\text{CPh})]$ and $[\text{IrRu}_3(\text{CO})_{10}(\eta^4\text{-1-2-PhC}\equiv\text{CPh})(\eta^3\text{-1-2-PhC}\equiv\text{CPh})]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3825-3832.		
92	New iso and heteropolyoxomolybdates: synthesis and molecular structure of the anions $[\text{MoVI}_8\text{O}_{26}(\text{OH})_5]^{5-}$, $[\text{HAsIIIAsVMoVMoVI}_8\text{O}_{34}]^{6-}$ and $[\text{HAsIIIAsVMoVMoVI}_8\text{O}_{34}\{\text{Co}(\text{C}_5\text{H}_5\text{N})_2(\text{H}_2\text{O})_3\}]_4^{4-}$. <i>Polyhedron</i> , 2002, 21, 1921-1928.	2.2	22
93	Investigation of the Axial Gap Clearance in a Hydrodynamic Passive Magnetically Levitated Rotary Blood Pump Using X-Ray Radiography. <i>Artificial Organs</i> , 2018, 42, 510-515.	1.9	22
94	New Fluorinated Channel-type Host Compounds. <i>Crystal Growth and Design</i> , 2007, 7, 1399-1405.	3.0	21
95	Si/SiGe quantum cascade superlattice designs for terahertz emission. <i>Journal of Applied Physics</i> , 2010, 107, 053109.	2.5	21
96	Catalytic Hydrogenation Using Abnormal N-Heterocyclic Carbene Palladium Complexes: Catalytic Scope and Mechanistic Insights. <i>ChemCatChem</i> , 2011, 3, 167-173.	3.7	21
97	Strain relaxation of GaAs/Ge crystals on patterned Si substrates. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	21
98	Structural insights into semicrystalline states of electrospun nanofibers: a multiscale analytical approach. <i>Nanoscale</i> , 2019, 11, 7176-7187.	5.6	21
99	Surface tension and viscosity of liquid Pd ₄₃ Cu ₂₇ Ni ₁₀ P ₂₀ measured in a levitation device under microgravity. <i>Npj Microgravity</i> , 2019, 5, 4.	3.7	21
100	Synthesis and electronic properties of A ₃ B-thienyl porphyrins: experimental and computational investigations. <i>New Journal of Chemistry</i> , 2019, 43, 1569-1580.	2.8	20
101	New approach for time-resolved and dynamic investigations on nanoparticles agglomeration. <i>Nano Research</i> , 2020, 13, 2847-2856.	10.4	20
102	Encrustations on ureteral stents from patients without urinary tract infection reveal distinct urotypes and a low bacterial load. <i>Microbiome</i> , 2019, 7, 60.	11.1	19
103	Lanthanide-Doped Hafnia Nanoparticles for Multimodal Theranostics: Tailoring the Physicochemical Properties and Interactions with Biological Entities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 437-448.	8.0	19
104	Predetermined Chirality at Metal Centers of Various Coordination Geometries: A Chiral Cleft Ligand for Tetrahedral (T _d), Square Planar (SP ₄), Trigonal Bipyramidal (TB ₅), Square Pyramidal (SPY ₅), and Octahedral (OC ₆) Complexes. <i>Chemistry - A European Journal</i> , 2000, 6, 3575-3585.	3.3	19
105	Emulsion electrospinning of sodium alginate/poly(ϵ -caprolactone) core/shell nanofibers for biomedical applications. <i>Nanoscale Advances</i> , 2022, 4, 2929-2941.	4.6	19
106	3D heteroepitaxy of mismatched semiconductors on silicon. <i>Thin Solid Films</i> , 2014, 557, 42-49.	1.8	18
107	Additive manufacturing of a precious bulk metallic glass. <i>Applied Materials Today</i> , 2021, 24, 101080.	4.3	18
108	A New Copper(II) Coordination Polymer from the Methyl Ester of 2,3-Pyrazinedicarboxylic Acid: A Crystal Structure Determination from Laboratory X-ray Powder Diffraction Data. <i>Inorganic Chemistry</i> , 1997, 36, 5406-5408.	4.0	17

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109	Synthesis, crystal structure and magnetic properties of the triply bridged one-dimensional polymers [Cu ₂ (ClO ₄)(OAc) ₂ (bppz)(H ₂ O) ₂](ClO ₄)(H ₂ O) _n and [Cu ₂ (OBz) ₃ (bppz)](ClO ₄)(H ₂ O) _{2n} ; bppz=2,5-bis(2-pyridyl)pyrazine. <i>Inorganica Chimica Acta</i> , 1997, 260, 189-198.	2.4	17
110	The structure of mesoporous silica obtained by pseudomorphic transformation of SBA-15 and SBA-16. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 232-240.	4.4	17
111	Epitaxial Thin Films as a Model System for Li-Ion Conductivity in Li ₄ Ti ₅ O ₁₂ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44494-44500.	8.0	17
112	Organosulfur donor with hydroxy groups and its conducting salt: crystal structures and physical properties. <i>Polyhedron</i> , 2004, 23, 1185-1189.	2.2	16
113	Stereoselectivity in the formation of tris-diimine complexes of Fe(ii), Ru(ii), and Os(ii) with a C ₂ -symmetric chiral derivative of 2,2'-bipyridine. <i>Dalton Transactions</i> , 2006, , 1444-1454.	3.3	15
114	Synthesis, crystal structures and properties of substituted-pyridyl functionalized bis(ethylenedithio)tetrathiafulvalene derivatives and their corresponding Ni(II) and Co(II) complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 3848-3854.	2.4	15
115	Chiral Bimetallic Assemblies and Coordination Polymers Based on Tetracyanonickelate: A Striking Reversible Structural Transformation. <i>Crystal Growth and Design</i> , 2008, 8, 3380-3384.	3.0	15
116	Diastereoselective preparation of Cu(i) and Ag(i) double helices by the use of chiral bis-bipyridine ligands. <i>New Journal of Chemistry</i> , 2009, 33, 462.	2.8	15
117	Carbon-carbon coupling reactions of but-2-yne on a triruthenium framework: synthesis and molecular structure of Ru ₃ (CO) ₇ [NS(O)MePh](HCMeCMeCMeCO) and Ru ₃ (CO) ₈ (CMeCMeCMeCMe). <i>Inorganic Chemistry Communication</i> , 1999, 2, 561-564.	3.9	14
118	(Invited) Three-Dimensional Epitaxial Si _{1-x} Ge _x , Ge and SiC Crystals on Deeply Patterned Si Substrates. <i>ECS Transactions</i> , 2014, 64, 631-648.	0.5	14
119	Low Temperature Epitaxial Barium Titanate Thin Film Growth in High Vacuum CVD. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700116.	3.7	14
120	Metal-Modified Montmorillonite as Plasmonic Microstructure for Direct Protein Detection. <i>Sensors</i> , 2021, 21, 2655.	3.8	14
121	Saturated and unsaturated triruthenium clusters containing three sterically demanding phosphine ligands: synthesis and structure of [Ru ₃ (CO) ₉ (PCy ₃) ₃] and [Ru ₃ H ₂ (CO) ₆ (PCy ₃) ₃]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 515-516.	1.1	13
122	Sponge-like Reversible Transformation of a Bimetallic Cyanometallate Polymer. <i>Crystal Growth and Design</i> , 2008, 8, 2307-2311.	3.0	13
123	Preparation of donor-acceptor substituted fluorostilbenes and crystal chemistry of fluorinated (E)-4-(4-halogeno-styryl)-benzonitriles. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 175-196.	1.7	13
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