

# Hiroshi Kitagawa

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/935663/hiroshi-kitagawa-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

480  
papers

17,947  
citations

68  
h-index

120  
g-index

535  
ext. papers

20,730  
ext. citations

7.3  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
480	Surface nano-architecture of a metal-organic framework. <i>Nature Materials</i> , <b>2010</b> , 9, 565-71	27	667
479	Rational designs for highly proton-conductive metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9906-7	16.4	558
478	Wide control of proton conductivity in porous coordination polymers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2034-6	16.4	461
477	Control of PD-L1 Expression by Oncogenic Activation of the AKT-mTOR Pathway in Non-Small Cell Lung Cancer. <i>Cancer Research</i> , <b>2016</b> , 76, 227-38	10.1	423
476	Designer coordination polymers: dimensional crossover architectures and proton conduction. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 6655-69	58.5	418
475	Graphene oxide nanosheet with high proton conductivity. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8097-100	16.4	391
474	Hydrogen storage in Pd nanocrystals covered with a metal-organic framework. <i>Nature Materials</i> , <b>2014</b> , 13, 802-6	27	337
473	Nanosize Effects on Hydrogen Storage in Palladium. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 3294-3298	9.8	309
472	High proton conductivity of one-dimensional ferrous oxalate dihydrate. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3144-5	16.4	280
471	Electroconductive porous coordination polymer Cu[Cu(pdt) <sub>2</sub> ] composed of donor and acceptor building units. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 9048-50	5.1	266
470	Promotion of low-humidity proton conduction by controlling hydrophilicity in layered metal-organic frameworks. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5472-5	16.4	259
469	Highly crystalline nanofilm by layering of porphyrin metal-organic framework sheets. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 5640-3	16.4	259
468	High proton conductivity by a metal-organic framework incorporating ZnO clusters with aligned imidazolium groups decorating the channels. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19432-7	16.4	246
467	Superprotonic conductivity in a highly oriented crystalline metal-organic framework nanofilm. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 7438-41	16.4	246
466	Facile "modular assembly" for fast construction of a highly oriented crystalline MOF nanofilm. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16524-7	16.4	233
465	Missing-linker metal-organic frameworks for oxygen evolution reaction. <i>Nature Communications</i> , <b>2019</b> , 10, 5048	17.4	220
464	Discovery of face-centered-cubic ruthenium nanoparticles: facile size-controlled synthesis using the chemical reduction method. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 5493-6	16.4	217

463	Oxalate-bridged bimetallic complexes $\{NH(\text{prol})_3\}[M\text{Cr}(\text{ox})_3]$ ( $M = \text{Mn}(\text{II}), \text{Fe}(\text{II}), \text{Co}(\text{II}); NH(\text{prol})_3(+)$ = tri(3-hydroxypropyl)ammonium) exhibiting coexistent ferromagnetism and proton conduction. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 13516-22	16.4	215
462	Control of crystalline proton-conducting pathways by water-induced transformations of hydrogen-bonding networks in a metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7701-7	16.4	186
461	Thermochromism in an organic crystal based on the coexistence of sigma- and pi-dimers. <i>Nature Materials</i> , <b>2008</b> , 7, 48-51	27	186
460	Proton-conductive magnetic metal-organic frameworks, $\{NR_3(\text{CH}_2\text{COOH})\}[M(\text{a})(\text{II})M(\text{b})(\text{III})(\text{ox})_3]$ : effect of carboxyl residue upon proton conduction. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2256-62	16.4	181
459	Solid solution alloy nanoparticles of immiscible Pd and Ru elements neighboring on Rh: changeover of the thermodynamic behavior for hydrogen storage and enhanced CO-oxidizing ability. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1864-71	16.4	176
458	Defect Control To Enhance Proton Conductivity in a Metal-Organic Framework. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 2286-2289	9.6	173
457	Proton Transport in Metal-Organic Frameworks. <i>Chemical Reviews</i> , <b>2020</b> , 120, 8416-8467	68.1	173
456	Crystalline coordination framework endowed with dynamic gate-opening behaviour by being downsized to a thin film. <i>Nature Chemistry</i> , <b>2016</b> , 8, 377-83	17.6	167
455	Proton conductivity control by ion substitution in a highly proton-conductive metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 13166-9	16.4	167
454	Hydrogen storage mediated by Pd and Pt nanoparticles. <i>ChemPhysChem</i> , <b>2009</b> , 10, 2566-76	3.2	165
453	Bottom-up realization of a porous metal-organic nanotubular assembly. <i>Nature Materials</i> , <b>2011</b> , 10, 291-57		162
452	Ionic liquid transported into metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 307, 382-392		155
451	Charge Ordering with Lattice Distortions in a Conductive MMX-Chain Complex, $\text{Pt}_2(\text{dta})_4\text{I}$ (dta = $\text{CH}_3\text{CS}_2^-$ ). <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 10068-10080	16.4	149
450	Proton transfer in hydrogen-bonded degenerate systems of water and ammonia in metal-organic frameworks. <i>Chemical Science</i> , <b>2019</b> , 10, 16-33	9.4	147
449	The Role of a Three Dimensionally Ordered Defect Sublattice on the Acidity of a Sulfonated Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 11498-506	16.4	146
448	On the nature of strong hydrogen atom trapping inside Pd nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1828-9	16.4	146
447	A metal-organic framework as an electrocatalyst for ethanol oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5348-51	16.4	144
446	Atomic-level Pd-Pt alloying and largely enhanced hydrogen-storage capacity in bimetallic nanoparticles reconstructed from core/shell structure by a process of hydrogen absorption/desorption. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 5576-7	16.4	139

- 445 Protection and deprotection approach for the introduction of functional groups into metal-organic frameworks. *Journal of the American Chemical Society*, **2009**, 131, 6312-3 16.4 132
- 444 Size-controlled stabilization of the superionic phase to room temperature in polymer-coated AgI nanoparticles. *Nature Materials*, **2009**, 8, 476-80 27 130
- 443 Low temperature ionic conductor: ionic liquid incorporated within a metal-organic framework. *Chemical Science*, **2015**, 6, 4306-4310 9.4 129
- 442 Step-by-step fabrication of a highly oriented crystalline three-dimensional pillared-layer-type metal-organic framework thin film confirmed by synchrotron X-ray diffraction. *Journal of the American Chemical Society*, **2012**, 134, 9605-8 16.4 127
- 441 Selective separation of water, methanol, and ethanol by a porous coordination polymer built with a flexible tetrahedral ligand. *Journal of the American Chemical Society*, **2012**, 134, 13145-7 16.4 127
- 440 Hydrogen absorption in the core/shell interface of Pd/Pt nanoparticles. *Journal of the American Chemical Society*, **2008**, 130, 1818-9 16.4 127
- 439 Lithium Ion Diffusion in a Metal-Organic Framework Mediated by an Ionic Liquid. *Chemistry of Materials*, **2015**, 27, 7355-7361 9.6 124
- 438 Enhancing proton conduction in 2D Co-La coordination frameworks by solid-state phase transition. *Journal of the American Chemical Society*, **2014**, 136, 9292-5 16.4 124
- 437 Highly proton-conductive copper coordination polymer, H<sub>2</sub>dtoaCu (H<sub>2</sub>dtoa=dithiooxamide anion). *Inorganic Chemistry Communication*, **2003**, 6, 346-348 3.1 120
- 436 Co<sup>II</sup>/La Phosphonate Showing Humidity-Sensitive Single Crystal to Single Crystal Structural Transformation and Tunable Proton Conduction Properties. *Chemistry of Materials*, **2015**, 27, 8116-8125 9.6 117
- 435 Introduction of an ionic liquid into the micropores of a metal-organic framework and its anomalous phase behavior. *Angewandte Chemie - International Edition*, **2014**, 53, 11302-5 16.4 116
- 434 Metallic behavior and periodical valence ordering in a MMX chain compound, Pt(2)(EtCS(2))(4)I. *Journal of the American Chemical Society*, **2001**, 123, 11179-92 16.4 109
- 433 Efficacy of corticosteroids in the treatment of community-acquired pneumonia requiring hospitalization. *Lung*, **2007**, 185, 249-255 2.9 106
- 432 Ultrathin MOF nanosheet assembled highly oriented microporous membrane as an interlayer for lithium-sulfur batteries. *Energy Storage Materials*, **2019**, 21, 14-21 19.4 101
- 431 Involvement of interleukin-1 in the development of ulcerative colitis induced by dextran sulfate sodium in mice. *Cytokine*, **1998**, 10, 890-6 4 98
- 430 Origins of Improved Hole-Injection Efficiency by the Deposition of MoO<sub>3</sub> on the Polymeric Semiconductor Poly(dioctylfluorene-alt-benzothiadiazole). *Advanced Functional Materials*, **2009**, 19, 3746-3752 15.6 95
- 429 Luminescence Properties and Crystal Structures of Dicyano(diimine)platinum(II) Complexes Controlled by Pt<sup>II</sup>-Pt<sup>II</sup> and  $\pi$ - $\pi$  Interactions. *Inorganic Chemistry*, **1999**, 38, 1638-1641 5.1 94
- 428 Hydrogen-storage properties of solid-solution alloys of immiscible neighboring elements with Pd. *Journal of the American Chemical Society*, **2010**, 132, 15896-8 16.4 93

427	Proton-Conductive Metal-Organic Frameworks. <i>Bulletin of the Chemical Society of Japan</i> , <b>2016</b> , 89, 1-10	5.1	90
426	Electronic structure of the quasi-one-dimensional halogen-bridged Ni complexes. <i>Physical Review B</i> , <b>1996</b> , 54, 8438-8445	3.3	90
425	Valence-ordering structures and magnetic behavior of metallic MMX chain compounds. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 2767-71	16.4	89
424	Shape-dependent hydrogen-storage properties in Pd nanocrystals: which does hydrogen prefer, octahedron (111) or cube (100)? <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10222-5	16.4	84
423	Hydrated Proton-Conductive Metal-Organic Frameworks. <i>ChemPlusChem</i> , <b>2016</b> , 81, 691-701	2.8	83
422	Hydroxyl group recognition by hydrogen-bonding donor and acceptor sites embedded in a layered metal-organic framework. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11050-3	16.4	79
421	Construction of highly oriented crystalline surface coordination polymers composed of copper dithiooxamide complexes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15778-9	16.4	77
420	Platinum-Group-Metal High-Entropy-Alloy Nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13833-13838	16.4	75
419	Conductive metal-organic framework nanowire arrays for electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10431-10438	13	72
418	Identification and characterization of leucocyclin Q, a novel cyclic bacteriocin produced by <i>Leuconostoc mesenteroides</i> TK41401. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 8164-70	4.8	72
417	Creation of Novel Solid-Solution Alloy Nanoparticles on the Basis of Density-of-States Engineering by Inter-element Fusion. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 1551-9	24.3	71
416	Solid-Solution Alloying of Immiscible Ru and Cu with Enhanced CO Oxidation Activity. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 4643-4646	16.4	70
415	Structures and phase transition of multi-layered water nanotube confined to nanochannels. <i>Chemical Communications</i> , <b>2006</b> , 1274-6	5.8	70
414	Studies of mixed-valence states in three-dimensional halogen-bridged gold compounds, Cs <sub>2</sub> AuI <sub>2</sub> AuIII <sub>2</sub> X <sub>6</sub> (X = Cl, Br or I). Part 2. X-Ray photoelectron spectroscopic study. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1991</b> , 3121		69
413	Ionic Conduction in Metal-Organic Frameworks with Incorporated Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 70-81	8.3	67
412	Atomic-level Pd-Au alloying and controllable hydrogen-absorption properties in size-controlled nanoparticles synthesized by hydrogen reduction. <i>Chemical Communications</i> , <b>2009</b> , 4806-8	5.8	65
411	Crystal Structure and Proton Conductivity of a One-dimensional Coordination Polymer, {Mn(DHBQ)(H <sub>2</sub> O) <sub>2</sub> }. <i>Chemistry Letters</i> , <b>2009</b> , 38, 654-655	1.7	65
410	Porous Porphyrin Nanoarchitectures on Surfaces. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 3715-3724	2.3	65

409	Selective control of fcc and hcp crystal structures in Au-Ru solid-solution alloy nanoparticles. <i>Nature Communications</i> , <b>2018</b> , 9, 510	17.4	64
408	Most stable metallic phase of the mixed-valence MMX-chain, Pt <sub>2</sub> (dtp) <sub>4</sub> I (dtp = C <sub>2</sub> H <sub>5</sub> CS <sub>2</sub> -), in purely d-electronic conductors based on the transition-metal complex. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8140-1	16.4	63
407	Confined water-mediated high proton conduction in hydrophobic channel of a synthetic nanotube. <i>Nature Communications</i> , <b>2020</b> , 11, 843	17.4	61
406	Electronic and magnetic properties of R <sub>0.5</sub> A <sub>0.5</sub> MnO <sub>3</sub> compounds (R=Gd, Dy, Ho, Er; A=Sr, Ca). <i>Physical Review B</i> , <b>2000</b> , 61, 3488-3493	3.3	61
405	P-T Phase Diagram and Gold Valence State of the Perovskite-Type Mixed-Valence Compounds Cs <sub>2</sub> Au <sub>2</sub> X <sub>6</sub> (X = Cl, Br, and I) under High Pressures. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 11368-11374	16.4	61
404	Nanoscale crystalline architectures of Hofmann-type metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 346, 123-138	23.2	59
403	Charge Fluctuation in MMX Chain Compounds, A <sub>4</sub> [Pt <sub>2</sub> (pop) <sub>4</sub> I]·nH <sub>2</sub> O. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 2321-2322	16.4	58
402	A Route for Phase Control in Metal Nanoparticles: A Potential Strategy to Create Advanced Materials. <i>Advanced Materials</i> , <b>2016</b> , 28, 1129-42	24	57
401	Metal Nanoparticles Covered with a Metal-Organic Framework: From One-Pot Synthetic Methods to Synergistic Energy Storage and Conversion Functions. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 7301-10	5.1	56
400	Ic Compatible Processing of Si:Er for optoelectronics. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 301, 87		55
399	Structures and Proton Conductivity of One-Dimensional M(dhbq) <sub>n</sub> ·nH <sub>2</sub> O (M = Mg, Mn, Co, Ni, and Zn, H <sub>2</sub> (dhbq) = 2,5-Dihydroxy-1,4-benzoquinone) Promoted by Connected Hydrogen-Bond Networks with Absorbed Water. <i>Bulletin of the Chemical Society of Japan</i> , <b>2010</b> , 83, 42-48	5.1	54
398	Polyurethane gas separation membranes with etheral bonds in the hard segments. <i>Journal of Membrane Science</i> , <b>2016</b> , 513, 58-66	9.6	54
397	Hybrid materials of Ni NP@MOF prepared by a simple synthetic method. <i>Chemical Communications</i> , <b>2015</b> , 51, 12463-6	5.8	53
396	Solid-Solution Alloy Nanoparticles of the Immiscible Iridium-Copper System with a Wide Composition Range for Enhanced Electrocatalytic Applications. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4505-4509	16.4	53
395	A systematic study on the stability of porous coordination polymers against ammonia. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 15611-7	4.8	53
394	Preparation and proton transport property of N,N'-diethyldithiooxamidatocopper coordination polymer. <i>Synthetic Metals</i> , <b>2005</b> , 154, 89-92	3.6	53
393	Hydrogen-bonded charge-transfer complexes of TTF containing a uracil moiety: crystal structures and electronic properties of the hydrogen cyananilate and TCNQ complexes. <i>Organic Letters</i> , <b>2002</b> , 4, 2185-8	6.2	53
392	Finding hydrogen-storage capability in iridium induced by the nanosize effect. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6893-5	16.4	52

391	Hydrogen absorption of the polymer-coated Pd nanoparticle. <i>Synthetic Metals</i> , <b>2005</b> , 153, 353-356	3.6	52
390	Sulfonic Group Functionalized Mixed Ligand Coordination Polymers: Synthesis, Characterization, Water Sorption, and Proton Conduction Studies. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 1581-1590	5.1	51
389	The NQR observation of spin-Peierls transition in an antiferromagnetic MX-chain complex [NiBr(chxn) <sub>2</sub> ]Br <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 1614-5	16.4	51
388	Tuning of Charge Density Wave Strengths by Competition between Electron-Phonon Interaction of Pd(II)-Pd(IV) Mixed-Valence States and Electron Correlation of Ni(III) States in Quasi-One-Dimensional Bromo-Bridged Ni-Pd Mixed-Metal MX Chain Compounds Ni <sup>(1-x)(x)Pd<sup>(x)</sup>(chxn)<sub>2</sub>Br<sub>3</sub>. <i>Inorganic Chemistry</i>, <b>1999</b>, 38, 5124-5130</sup>	5.1	51
387	Rational strategies for proton-conductive metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 6349-6368	58.5	50
386	Highly proton-conductive copper coordination polymers. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 431-432	3.6	49
385	Applicability of MIL-101(Fe) as a cathode of lithium ion batteries. <i>Chemical Communications</i> , <b>2017</b> , 53, 8215-8218	5.8	48
384	Nanosize-induced drastic drop in equilibrium hydrogen pressure for hydride formation and structural stabilization in Pd-Rh solid-solution alloys. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12390-3	16.4	47
383	Nanosize-induced hydrogen storage and capacity control in a non-hydride-forming element: rhodium. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 11034-7	16.4	47
382	Guest-Induced Two-Way Structural Transformation in a Layered Metal-Organic Framework Thin Film. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16787-16793	16.4	46
381	Complex-Plane Impedance Study on a Hydrogen-Doped Copper Coordination Polymer: N,N'-bis-(2-hydroxyethyl)dithiooxamidato-copper(II). <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 379, 89-94 <sup>0.5</sup>		45
380	Hydrogen in Palladium and Storage Properties of Related Nanomaterials: Size, Shape, Alloying, and Metal-Organic Framework Coating Effects. <i>ChemPhysChem</i> , <b>2019</b> , 20, 1158-1176	3.2	44
379	Nanometer-Size Effect on Hydrogen Sites in Palladium Lattice. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10238-43	16.4	44
378	Hydrogen-bonded networks in organic conductors: crystal structures and electronic properties of charge-transfer salts of tetracyanoquinodimethane with 4,4'-bimidazolium having multiprotonated States. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 2739-44	4.2	44
377	Charge transfer dependence on CO hydrogenation activity to methanol in Cu nanoparticles covered with metal-organic framework systems. <i>Chemical Science</i> , <b>2019</b> , 10, 3289-3294	9.4	43
376	Encapsulation of Bimetallic Nanoparticles into a Metal-Organic Framework: Preparation and Microstructure Characterization of Pd/Au@ZIF-8. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 5514-5521	2.3	43
375	Significant Enhancement of Hydrogen Evolution Reaction Activity by Negatively Charged Pt through Light Doping of W. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 17250-17254	16.4	42
374	Grain-Boundary-Free Super-Proton Conduction of a Solution-Processed Prussian-Blue Nanoparticle Film. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5531-5535	16.4	41

373	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10909-10913	16.4	41
372	Mixed-valence two-legged MX-ladder complex with a pair of out-of-phase charge-density waves. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 12066-7	16.4	41
371	A significant change in selective adsorption behaviour for ethanol by flexibility control through the type of central metals in a metal-organic framework. <i>Chemical Science</i> , <b>2016</b> , 7, 1349-1356	9.4	40
370	The metallic state in a MMX-chain complex, Pt <sub>2</sub> (dta) <sub>4</sub> I. <i>Synthetic Metals</i> , <b>1997</b> , 86, 1931-1932	3.6	40
369	On the electronic structure and hydrogen evolution reaction activity of platinum group metal-based high-entropy-alloy nanoparticles. <i>Chemical Science</i> , <b>2020</b> , 11, 12731-12736	9.4	40
368	Size dependence of structural parameters in fcc and hcp Ru nanoparticles, revealed by Rietveld refinement analysis of high-energy X-ray diffraction data. <i>Scientific Reports</i> , <b>2016</b> , 6, 31400	4.9	39
367	Mucin-carbohydrate directed monoclonal antibody. <i>FEBS Letters</i> , <b>1987</b> , 215, 137-9	3.8	39
366	A Three-Dimensional Iodo-Bridged Mixed-Valence Gold(I, III) Compound, Cs <sub>2</sub> AuI <sub>4</sub> Au <sub>3</sub> I <sub>6</sub> . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1997</b> , 53, 663-666		38
365	Valence transition with charge ordering in a conductive MMX-chain complex. <i>Coordination Chemistry Reviews</i> , <b>1999</b> , 190-192, 1169-1184	23.2	38
364	3D Coordination Polymer of Cd(II) with an Imidazolium-Based Linker Showing Parallel Polycatenation Forming Channels with Aligned Imidazolium Groups. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 1240-1244	3.5	37
363	Proton Conduction Study on Water Confined in Channel or Layer Networks of La(III)M(III)(ox) <sub>3</sub> ·10H <sub>2</sub> O (M = Cr, Co, Ru, La). <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 8529-35	5.1	36
362	Tuning of electronic structures of quasi one-dimensional iodide-bridged dinuclear platinum mixed-valence complexes. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 2335-2346	23.2	36
361	Complex formation of ethylenedioxyethylenedithiotetrathiafulvalene (EDOEDT-TTF: EOET) and its self-assembling ability. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1640-1649		36
360	Superprotonic Conductivity in Metal-Organic Framework via Solvent-Free Coordinative Urea Insertion. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 6861-6865	16.4	35
359	Porous Interpenetrating Metal-Organic Frameworks with Hierarchical Nodes. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 1798-1806	3.5	35
358	A Metal-Organic Framework as an Electrocatalyst for Ethanol Oxidation. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 5476-5479	3.6	35
357	Recent progress in the structure control of Pd-Ru bimetallic nanomaterials. <i>Science and Technology of Advanced Materials</i> , <b>2016</b> , 17, 583-596	7.1	35
356	Metal-organic framework thin films with well-controlled growth directions confirmed by x-ray study. <i>APL Materials</i> , <b>2014</b> , 2, 124105	5.7	33

355	A Synthetic Pseudo-Rh: NO <sub>x</sub> Reduction Activity and Electronic Structure of Pd-Ru Solid-solution Alloy Nanoparticles. <i>Scientific Reports</i> , <b>2016</b> , 6, 28265	4.9	32
354	Proton dynamics of two-dimensional oxalate-bridged coordination polymers. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 17295-304	3.6	32
353	Structural and electronic properties of Ce@C82. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	31
352	Efficient overall water splitting in acid with anisotropic metal nanosheets. <i>Nature Communications</i> , <b>2021</b> , 12, 1145	17.4	31
351	A new characterization of lanthanum- and scandium-endothedral metallofullerenes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1993</b> , 19, 25-30	3.1	30
350	Emergence of high ORR activity through controlling local density-of-states by alloying immiscible Au and Ir. <i>Chemical Science</i> , <b>2019</b> , 10, 652-656	9.4	29
349	MOP [MOF: Collaborative Combination of Metal-Organic Polyhedra and Metal-Organic Framework for Proton Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12639-12646	9.5	29
348	Origin of the catalytic activity of face-centered-cubic ruthenium nanoparticles determined from an atomic-scale structure. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 30622-30629	3.6	29
347	A study on hydrogen adsorption of polymer protected Pt nanoparticles. <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 757-758	3.6	29
346	A new proton-conductive copper coordination polymer, (HOC <sub>3</sub> H <sub>6</sub> ) <sub>2</sub> dtoaCu (dtoa = dithiooxamide). <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 283-284	3.6	29
345	Ultrafine Metal-Organic Right Square Prism Shaped Nanowires. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 6448-51	16.4	29
344	Encapsulation of Bimetallic Metal Nanoparticles into Robust Zirconium-Based Metal-Organic Frameworks: Evaluation of the Catalytic Potential for Size-Selective Hydrogenation. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3583-3594	4.8	28
343	Hydrogen-Induced Crystal Structural Transformation of FePt Nanoparticles at Low Temperature. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7231-7234	3.8	28
342	Synthesis of a one-dimensional metal-dimer assembled system with interdimer interaction, M <sub>2</sub> (dtp) <sub>4</sub> (M = Ni, Pd; dtp = dithiopropionato). <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 322-7	5.1	28
341	Heat Capacity of the Halogen-Bridged Mixed-Valence Complex Pt <sub>2</sub> (dta) <sub>4</sub> I (dta = CH <sub>3</sub> CS <sub>2</sub> -) <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 197-202	3.4	28
340	Semiconductor-to-metal and metal-to-metal transitions in the three-dimensional mixed-valence compound Cs <sub>2</sub> Au <sub>2</sub> I <sub>6</sub> under high pressures. <i>Solid State Communications</i> , <b>1990</b> , 73, 743-745	1.6	28
339	Salts with titanyl and vanadyl phthalocyanine radical anions. Molecular design and effect of cations on the structure and magnetic and optical properties. <i>CrystEngComm</i> , <b>2018</b> , 20, 385-401	3.3	27
338	One-dimensional Magnus-type platinum double salts. <i>Nature Communications</i> , <b>2016</b> , 7, 11950	17.4	27

- 337 Mixed-Valence States in MMX-Chains Complex, Pt<sub>2</sub>(dta)<sub>4</sub>I. *Molecular Crystals and Liquid Crystals*, **1996**, 285, 311-316 27
- 336 Optical investigation of the intervalence charge-transfer interactions in the three-dimensional gold mixed-valence compounds Cs<sub>2</sub>Au<sub>2</sub>X<sub>6</sub> (X = Cl, Br or I). *Journal of the Chemical Society Dalton Transactions*, **1994**, 327 27
- 335 Remarkable Lattice Shrinkage in Highly Oriented Crystalline Three-Dimensional Metal-Organic Framework Thin Films. *Inorganic Chemistry*, **2015**, 54, 11593-5 5.1 26
- 334 Synthesis, water adsorption, and proton conductivity of solid-solution-type metal-organic frameworks Al(OH)(bdc-OH)<sub>x</sub>(bdc-NH<sub>2</sub>)(1-x). *Chemistry - an Asian Journal*, **2014**, 9, 1316-20 4.5 26
- 333 A Key Mechanism of Ethanol Electrooxidation Reaction in a Noble-Metal-Free Metal-Organic Framework. *Journal of Physical Chemistry C*, **2013**, 117, 10607-10614 3.8 26
- 332 Molecular dynamics study of Ar flow and He flow inside carbon nanotube junction as a molecular nozzle and diffuser. *Science and Technology of Advanced Materials*, **2004**, 5, 107-113 7.1 26
- 331 New superconducting sodium-nitrogen-C<sub>60</sub> ternary compound. *Solid State Communications*, **1993**, 87, 375-378 1.6 26
- 330 The valence band structure of Ag<sub>x</sub>Rh<sub>1-x</sub> alloy nanoparticles. *Applied Physics Letters*, **2014**, 105, 153109 3.4 25
- 329 Hydrogen-induced properties of copper coordination polymer: catena- $\left[ \text{Cu}(\text{N}, \text{N}'\text{-bis}(\text{hydroxyethyl})\text{dithiooxamidato}(\text{II})) \right]_n$ . *Synthetic Metals*, **2001**, 119, 485-486 3.6 25
- 328 Double enhancement of hydrogen storage capacity of Pd nanoparticles by 20 at% replacement with Ir; systematic control of hydrogen storage in Pd-M nanoparticles (M = Ir, Pt, Au). *Chemical Science*, **2018**, 9, 5536-5540 9.4 25
- 327 Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism. *Chemical Science*, **2019**, 10, 4923-4929 9.4 24
- 326 Anomalous enhancement of proton conductivity for water molecular clusters stabilized in interstitial spaces of porous molecular crystals. *Chemistry - A European Journal*, **2014**, 20, 13698-709 4.8 24
- 325 Solid-solution alloy nanoparticles of a combination of immiscible Au and Ru with a large gap of reduction potential and their enhanced oxygen evolution reaction performance. *Chemical Science*, **2019**, 10, 5133-5137 9.4 23
- 324 An ordered bcc CuPd nanoalloy synthesised via the thermal decomposition of Pd nanoparticles covered with a metal-organic framework under hydrogen gas. *Chemical Communications*, **2014**, 50, 13750-3 5.8 23
- 323 Structural design and electronic properties of halogen-bridged mixed-valence ladder systems with even numbers of legs. *CrystEngComm*, **2014**, 16, 6277 3.3 23
- 322 Quasi-elastic neutron scattering studies on dynamics of water confined in nanoporous copper rubenate hydrates. *Journal of Physical Chemistry B*, **2011**, 115, 13563-9 3.4 23
- 321 Direct determination of low-dimensional structures: synchrotron X-ray scattering on one-dimensional charge-ordered MMX-chain complexes. *Journal of the American Chemical Society*, **2006**, 128, 6676-82 16.4 23
- 320 Structural Phase Transition and Valence Fluctuation Observed in a New MMX Chain Compound, Pt<sub>2</sub>(n-PrCS<sub>2</sub>)<sub>4</sub>I. *Chemistry Letters*, **2002**, 31, 258-259 1.7 23

319	Effect of icatibant, a bradykinin B2 receptor antagonist, on the development of experimental ulcerative colitis in mice. <i>Digestive Diseases and Sciences</i> , <b>1999</b> , 44, 845-51	4	23
318	Discovery of Hexagonal Structured Pd-B Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6578-6582	16.4	22
317	Introduction of an Ionic Liquid into the Micropores of a Metal-Organic Framework and Its Anomalous Phase Behavior. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11484-11487	3.6	22
316	Analysis of isotope effect of hydrogen-absorbing Pd ultra-fine particle by X-ray powder diffraction and first principle multi-component MO calculation. <i>Chemical Physics Letters</i> , <b>2003</b> , 372, 503-507	2.5	22
315	Novel Alternating Dimer Chain System (CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> CuCl <sub>3</sub> Studied by X-ray Structural Analyses and Magnetization Process. <i>Journal of the Physical Society of Japan</i> , <b>2005</b> , 74, 2683-2686	1.5	22
314	Homochiral metal phosphonate nanotubes. <i>Chemical Communications</i> , <b>2015</b> , 51, 15141-4	5.8	21
313	Emergence of Surface- and Interface-Induced Structures and Properties in Metal-Organic Framework Thin Films. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 1697-1706	2.3	21
312	Variable-rung design for a mixed-valence two-legged ladder system situated in a dimensional crossover region. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1229-40	5.1	21
311	Hydrogen storage and stability properties of Pd-Pt solid-solution nanoparticles revealed via atomic and electronic structure. <i>Scientific Reports</i> , <b>2017</b> , 7, 14606	4.9	21
310	Fabrication and Structural Characterization of an Ultrathin Film of a Two-Dimensional-Layered Metal-Organic Framework, {Fe(py)[Ni(CN)]} (py = pyridine). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 7606-7609	5.1	21
309	First-Principles Calculation, Synthesis, and Catalytic Properties of Rh-Cu Alloy Nanoparticles. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 57-60	4.8	20
308	Dual Lewis Acidic/Basic Pd <sub>0.5</sub> Ru <sub>0.5</sub> Poly(N-vinyl-2-pyrrolidone) Alloyed Nanoparticle: Outstanding Catalytic Activity and Selectivity in Suzuki-Miyaura Cross-Coupling Reaction. <i>ChemCatChem</i> , <b>2015</b> , 7, 3887-3894	5.2	20
307	Structure and transport properties of isomer-separated C <sub>82</sub> . <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	20
306	Characterization of Proton Dynamics for the Understanding of Conduction Mechanism in Proton Conductive Metal-Organic Frameworks. <i>Chemical Record</i> , <b>2020</b> , 20, 1297-1313	6.6	20
305	The Room-Temperature Superionic Conductivity of Silver Iodide Nanoparticles under Pressure. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1392-1395	16.4	19
304	Crystal Structure and Physical Properties of {Bis(ethylenedithio)tetrathiafulvalene} <sub>2</sub> dicyano-Silver and -Gold. <i>Bulletin of the Chemical Society of Japan</i> , <b>1996</b> , 69, 1233-1240	5.1	19
303	Occurrence of tetra- and pentasaccharides with the sialyl-Le(a) structure in human milk. <i>Journal of Biological Chemistry</i> , <b>1990</b> , 265, 4859-62	5.4	19
302	New Aspects of Platinum Group Metal-Based Solid-Solution Alloy Nanoparticles: Binary to High-Entropy Alloys. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 5105-5130	4.8	19

301	Probing charge transfer characteristics in a donor-acceptor metal-organic framework by Raman spectroelectrochemistry and pressure-dependence studies. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 25772-25779	3.6	19
300	cis-Thioindigo (TI) - a new ligand with accessible radical anion and dianion states. Strong magnetic coupling in the $\{[Ti(EO),(EO)]Cp^*Cr\}$ dimers. <i>Dalton Transactions</i> , <b>2017</b> , 46, 14365-14372	4.3	18
299	On the nature of the multiple ground states of the MMX mixed-valence chain compound, $[Pt(II/III)_2(n-PenCS_2)_4] \cdot nH_2O$ . <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 4368-77	5.1	18
298	Glass transition and positional ordering of hydrogen in bulk and nanocrystalline palladium. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	17
297	Design of a Conducting Metal-Organic Framework: Orbital-Level Matching in MIL-140A Derivatives. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 546-8	5.1	17
296	Design and Characterization of a Polarized Coordination Polymer of a Zinc(II) Biphenyldicarboxylate Bearing a Sulfone Group. <i>Chemistry Letters</i> , <b>2010</b> , 39, 28-29	1.7	17
295	Competition between electron correlation of NiIII states and electron-phonon interaction of PdII-PdIV mixed-valence states in quasi-one-dimensional halogen-bridged mixed-metal complexes, $Ni_{1-x}Pd_x(X = Cl, Br)$ . <i>Inorganic Chemistry</i> , <b>1997</b> ,		17
294	Isotope Effect in Hydrogen/Deuterium-absorbing Pd Nanoparticles Revealed by X-ray Powder Diffraction and by a Multi-component MO Method. <i>Journal of the Physical Society of Japan</i> , <b>2004</b> , 73, 1775-1780	1.5	17
293	Electronic structures of quasi-one-dimensional halogen-bridged NiIII complexes with strong electron-correlations. <i>Coordination Chemistry Reviews</i> , <b>1999</b> , 190-192, 309-330	23.2	17
292	Metallization and phase transitions of the three-dimensional halogen-bridge mixed-valence complex $Cs_2Au_2I_6$ under high pressure. <i>Solid State Communications</i> , <b>1991</b> , 78, 989-995	1.6	17
291	Studies of mixed-valence states in three-dimensional halogen-bridged gold compounds, $Cs_2AuI_4AuX_6$ (X = Cl, Br or I). Part 1. Synthesis, X-ray powder diffraction, and electron spin resonance studies of $CsAu_0.6Br_{2.6}$ . <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1991</b> , 3115		17
290	Production of monoclonal antibodies directed against carbohydrate moieties of cell surface glycoproteins. <i>Japanese Journal of Cancer Research</i> , <b>1988</b> , 79, 1119-29		17
289	Ligand-Functionalization-Controlled Activity of Metal-Organic Framework-Encapsulated Pt Nanocatalyst toward Activation of Water. <i>Nano Letters</i> , <b>2020</b> , 20, 426-432	11.5	17
288	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 2230-2235	16.4	17
287	Biological function of a DUF95 superfamily protein involved in the biosynthesis of a circular bacteriocin, leucocyclin Q. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 117, 158-164	3.3	16
286	Spin-flop switching and memory in a molecular conductor. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 17452-5	16.4	16
285	Syntheses of metal-organic frameworks with protected phosphonate ligands. <i>CrystEngComm</i> , <b>2012</b> , 14, 4148	3.3	16
284	Halide-Bridged Zigzag Chain of Tetrakis(acetamidato)dirhodium Cationic Radical Assisted by Hydrogen Bond. <i>Chemistry Letters</i> , <b>2000</b> , 29, 1006-1007	1.7	16

283	Counter-ion radius dependence of the mixed-valence state in MX chain platinum complexes. <i>Synthetic Metals</i> , <b>1995</b> , 71, 1933-1934	3.6	16
282	A Phosphate-Based Silver-Bipyridine 1D Coordination Polymer with Crystallized Phosphoric Acid as Superprotonic Conductor. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 4607-4612	4.8	16
281	A three-dimensional accordion-like metal-organic framework: synthesis and unconventional oriented growth on a surface. <i>Chemical Communications</i> , <b>2016</b> , 52, 6017-20	5.8	16
280	Nonpolar-to-Polar Phase Transition of a Chiral Ionic Plastic Crystal and Switch of the Rotation Symmetry. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 291-297	16.4	16
279	Electronic origin of hydrogen storage in MOF-covered palladium nanocubes investigated by synchrotron X-rays. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	16
278	Grain-Boundary-Free Super-Proton Conduction of a Solution-Processed Prussian-Blue Nanoparticle Film. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5623-5627	3.6	15
277	Proton Conductivity and Sorption Study in Three Sulfonic Group Functionalized Mixed Ligand Coordination Polymers and the Impact of Structural Dynamicity on Their Property. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 12943-12953	5.1	15
276	Role of $\pi$ -Elements in a Proton-Electron Coupling of $\pi$ -Hybridized Electron Systems. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11686-11693	16.4	15
275	Optical Reflectivity Spectra of Incommensurate Layer Compounds, $(\text{CeS})_{1.2}\text{NbS}_2$ and $(\text{CeS})_{0.6}\text{NbS}_2$ . <i>Journal of the Physical Society of Japan</i> , <b>1993</b> , 62, 2166-2173	1.5	15
274	Hydrogen diffusion in bulk and nanocrystalline palladium: A quasielastic neutron scattering study. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
273	Dianionic Titanyl and Vanadyl (Cation) $[\text{M}(\text{O}(\text{Pc}))]$ Phthalocyanine Salts Containing Pc Macrocycles. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1552-1560	4.5	15
272	Effect of One- and Two-Electron Reduction of Terbium(III) Double-Decker Phthalocyanine on Single-Ion Magnet Behavior and NIR Absorption. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5058-5068	5.1	14
271	Solid State Structure, and Optical and Magnetic Properties, of Free Base Tetra(4-pyridyl)porphyrin $\{\text{HT}(4\text{-Py})\text{P}\}$ Radical Anions. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 1861-1866	4.2	14
270	The Electronic State of Hydrogen in the $\beta$ Phase of the Hydrogen-Storage Material $\text{PdH}(\text{D})$ : Does a Chemical Bond Between Palladium and Hydrogen Exist?. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9823-9827	16.4	14
269	The First Study on the Reactivity of Water Vapor in Metal-Organic Frameworks with Platinum Nanocrystals. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11731-11736	16.4	14
268	Electrical conducting bis(oxalato)platinate complex with direct connection of $\text{Cu}(\text{I})$ ions. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 10270-6	5.1	14
267	Raman and optical investigations on charge localization in the one-dimensional organic conductors $(\text{TMM}(\text{TP}))(\text{I}_3)_5/3$ and $(\text{TSM}(\text{TP}))(\text{I}_3)_5/3$ . <i>Physical Review B</i> , <b>1999</b> , 60, 4635-4645	3.3	14
266	Tuning of Spin Density Wave Strengths in Quasi-One-Dimensional Halogen-Bridged $\text{Ni}(\text{III})$ Complexes with Strong Electron Correlations, $[\text{Ni}(\text{III})(\text{chxn})(2)\text{X}]\text{Y}(2)$ . <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 1894-1899	5.1	14

- 265 Hydrogen-bonded Charge-Transfer Complex of Ethylenediaminoglyoxime Transition Metal Complex with Tetracyanoquinodimethane. *Chemistry Letters*, **1995**, 24, 41-42 1.7 14
- 264 Preparation of sub-10 nm AgI nanoparticles and a study on their phase transition temperature. *Chemistry - an Asian Journal*, **2013**, 8, 73-5 4.5 13
- 263 Competition between electron-correlation in Ni(III) and electron-lattice interaction in Pd(II)-Pd(IV) in mixed-metal MX-chain, Ni<sub>1-x</sub>Pd<sub>x</sub>(chxn)<sub>2</sub>Br<sub>3</sub>. *Synthetic Metals*, **1997**, 86, 2233-2234 3.6 13
- 262 Interligand Charge Transfer in a Complex of Deprotonated cis-Indigo Dianions and Tin(II) Phthalocyanine Radical Anions with Cp\*Ir. *Inorganic Chemistry*, **2018**, 57, 583-589 5.1 12
- 261 Local Geometry and Electronic Properties of Nickel Nanoparticles Prepared via Thermal Decomposition of Ni-MOF-74. *Inorganic Chemistry*, **2018**, 57, 10072-10080 5.1 12
- 260 Morphology-Controlled Synthesis of Cubic Cesium Hydrogen Silicododecatungstate Crystals. *Crystal Growth and Design*, **2014**, 14, 6620-6626 3.5 12
- 259 Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. *Electrochemistry*, **2014**, 82, 865-869 1.2 12
- 258 Magnetic properties of segregated layers containing M(II)<sub>3</sub>(B-OH)<sub>2</sub> (M = Co or Ni) diamond chains bridged by cis,cis,cis-1,2,4,5-cyclohexanetetracarboxylate. *Inorganic Chemistry*, **2010**, 49, 9700-8 5.1 12
- 257 Syntheses and unusual segregated-alternated hybrid stacking structure of hydrogen-bonded charge-transfer complexes composed of bis[2,3-pyridinedithiolate]metal complexes. *Inorganic Chemistry*, **2007**, 46, 1162-70 5.1 12
- 256 Electron holography study of the temperature variation of the magnetic order parameter within circularly chained nickel nanoparticle rings. *Applied Physics Letters*, **2007**, 91, 262513 3.4 12
- 255 Electronic properties for the C<sub>2v</sub> and C<sub>s</sub> isomers of Pr@C<sub>82</sub> studied by Raman, resistivity and scanning tunneling microscopy/spectroscopy. *Chemical Physics Letters*, **2004**, 395, 78-81 2.5 12
- 254 Valence-Ordering Structures and Magnetic Behavior of Metallic MMX Chain Compounds. *Angewandte Chemie*, **2002**, 114, 2891-2895 3.6 12
- 253 A study on proton conduction in a layered metal-organic framework, Rb<sub>2</sub>(adp)[Zn<sub>2</sub>(ox)<sub>3</sub>](BHO) (adp = adipic acid, ox = oxalate). *Inorganic Chemistry Communication*, **2016**, 72, 138-140 3.1 12
- 252 Noble-Metal High-Entropy-Alloy Nanoparticles: Atomic-Level Insight into the Electronic Structure.. *Journal of the American Chemical Society*, **2022**, 16.4 12
- 251 Solid state structures and properties of free-base 5,10,15-triphenylcorrole (TPCor) anions obtained by deprotonation and reduction. Effective magnetic coupling of spins in (Cp\*Cr)(H)(HTPCor)<sub>2</sub>CHCl. *Dalton Transactions*, **2017**, 46, 13994-14001 4.3 11
- 250 Vibrational states of atomic hydrogen in bulk and nanocrystalline palladium studied by neutron spectroscopy. *Physical Review B*, **2017**, 96, 3.3 11
- 249 Synthesis, Structure, and Physical Properties of the Organic-Inorganic Hybrid Salt (BEDT-TTF)<sub>6</sub>[PMo<sub>12</sub>O<sub>40</sub>]<sub>4</sub>[4CH<sub>3</sub>CN<sub>6</sub>H<sub>2</sub>O]. *Advanced Materials*, **1998**, 10, 545-550 24 11
- 248 Defect-induced anisotropy in mechanical properties of nanocrystalline metals by molecular dynamics simulations. *Modelling and Simulation in Materials Science and Engineering*, **2005**, 13, 1217-1231 11

247	Low-temperature X-ray single-crystal analysis of a conductive mixed-valence MMX-chain system, Pt <sub>2</sub> (dta) <sub>4</sub> I (dta = CH <sub>3</sub> CS <sub>2</sub> ) <i>Synthetic Metals</i> , <b>2001</b> , 116, 401-404	3.6	11
246	Electrical conductivity of the perovskite-type mixed-valence compound Cs <sub>2</sub> Au <sub>2</sub> I <sub>6</sub> under high pressures and low temperature. <i>Synthetic Metals</i> , <b>1993</b> , 56, 1726-1729	3.6	11
245	Discovery of face-centred cubic Os nanoparticles. <i>Chemical Communications</i> , <b>2020</b> , 56, 372-374	5.8	11
244	A 2D Mg(II)-MOF with High Density of Coordinated Waters as Sole Intrinsic Proton Sources for Ultrahigh Superprotonic Conduction <b>2020</b> , 2, 1343-1350		11
243	Size effects on rhodium nanoparticles related to hydrogen-storage capability. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 15183-15191	3.6	11
242	Neutral-Type One-Dimensional Mixed-Valence Halogen-Bridged Platinum Chain Complexes with Large Charge-Transfer Band Gaps. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 2620-6	5.1	10
241	Changeover of the Thermodynamic Behavior for Hydrogen Storage in Rh with Increasing Nanoparticle Size. <i>Chemistry Letters</i> , <b>2013</b> , 42, 55-56	1.7	10
240	Raman study of Cs <sub>3</sub> C <sub>60</sub> under ambient pressure. <i>Chemical Physics Letters</i> , <b>1998</b> , 298, 335-340	2.5	10
239	Proton conductivity of biopolymer-platinum nanoparticle composite under high humidity. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 3130-3134	4.3	10
238	Syntheses and physical properties of quasi-one-dimensional chloro-bridged NiPd mixed-metal MX-chain compounds, Ni <sub>1-x</sub> Pd <sub>x</sub> (chxn) <sub>2</sub> Cl <sub>3</sub> . <i>Synthetic Metals</i> , <b>2001</b> , 116, 415-418	3.6	10
237	Behaviour of the electrical conductivity of the three-dimensional mixed-valence compounds Cs <sub>2</sub> Au <sub>2</sub> X <sub>6</sub> (X=C1, Br, I) under high pressures. <i>Synthetic Metals</i> , <b>1991</b> , 42, 2347-2350	3.6	10
236	Facile Synthesis of Size-controlled Rh Nanoparticles via Microwave-assisted Alcohol Reduction and Their Catalysis of CO Oxidation. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1254-1257	1.7	10
235	Network-Selectivity, Magnetism, and Proton Conduction of 2-D and 3-D Metal-Organic Frameworks of the Constituents {P(CHOH)} <sub>n</sub> /M (Mn, Fe, or Co)/[Cr(ox)]. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 623-628	5.1	10
234	Electronic Structure Evolution with Composition Alteration of RhCu Alloy Nanoparticles. <i>Scientific Reports</i> , <b>2017</b> , 7, 41264	4.9	9
233	The effect of amorphization on the molecular motion of the 2-methylimidazolate linkers in ZIF-8. <i>Chemical Communications</i> , <b>2019</b> , 55, 5906-5909	5.8	9
232	Rational Design of Proton-Electron-Transfer System Based on Nickel Dithiolene Complexes with Pyrazine Skeletons. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3875-3880	5.1	9
231	A compact planar low-energy-gap molecule with a donor-acceptor-donor nature based on a bimetal dithiolene complex. <i>Chemical Communications</i> , <b>2015</b> , 51, 15796-9	5.8	9
230	A highly crystalline oriented metal-organic framework thin film with an inorganic pillar. <i>Chemical Communications</i> , <b>2017</b> , 53, 10112-10115	5.8	9

- 229 Charge transfer degree and superconductivity of the incommensurate organic superconductor (MDTMSF)(I3)0.422. *Physical Review B*, **2006**, 73, 33 9
- 228 New TTF having adenine moiety as a nucleic acid base. *Synthetic Metals*, **2003**, 135-136, 541-542 3.6 9
- 227 Dinuclear Mn(II), Ni(II), and Zn(II) Complexes Bridged by Bis(p-nitrophenyl) Phosphate Ion: Relevance to Bimetallic Phosphodiesterase. *Bulletin of the Chemical Society of Japan*, **2005**, 78, 1072-1076<sup>5.1</sup> 9
- 226 Studies of mixed-valence states in three-dimensional halogen-bridged gold compounds, Cs<sub>2</sub>AuI<sub>3</sub>AuIII<sub>6</sub>(X = Cl, Br or I). Part 3. Gold-197 Mössbauer spectroscopic study. *Journal of the Chemical Society Dalton Transactions*, **1991**, 3211-3215 9
- 225 Anhydrous Superprotonic Conductivity of a Uranyl-Based MOF from Ambient Temperature to 110 °C **2021**, 3, 744-751 9
- 224 Lattice constant, bond-orientational order, and solid solubility of PdPt bimetallic nanoparticles. *Applied Physics Letters*, **2018**, 113, 071907 3.4 9
- 223 Observation of the Formation Processes of Hexagonal Close-packed and Face-centered Cubic Ru Nanoparticles. *Chemistry Letters*, **2019**, 48, 1062-1064 1.7 8
- 222 Optical and magnetic properties of trans-indigo radical anions. Magnetic coupling between trans-indigo[S = 1/2] mediated by intermolecular hydrogen N-H...OC bonds. *New Journal of Chemistry*, **2019**, 43, 7350-7354 3.6 8
- 221 Effects of interfacial structure of PdPt nanoparticles on hydrogen solubility. *Journal of Alloys and Compounds*, **2019**, 791, 1263-1269 5.7 8
- 220 Synthesis of Mo and Ru solid-solution alloy NPs and their hydrogen evolution reaction activity. *Chemical Communications*, **2020**, 56, 14475-14478 5.8 8
- 219 Solid-Solution Alloy Nanoparticles of the Immiscible Iridium-Copper System with a Wide Composition Range for Enhanced Electrocatalytic Applications. *Angewandte Chemie*, **2018**, 130, 4595-4599<sup>3.6</sup> 8
- 218 Holding Open Micropores with Water: Hydrogen-Bonded Networks Supported by Hexaaquachromium(III) Cations. *Chem*, **2018**, 4, 868-878 16.2 8
- 217 Calorimetric and neutron diffraction studies on transitions of water confined in nanoporous copper rubeanate. *Journal of Physical Chemistry B*, **2010**, 114, 8405-9 3.4 8
- 216 The Structural Change Caused by Temperature-Induced Metal-to-Ligand Charge Transfer in [Pd(HBQD)<sub>2</sub>]TCNQ (HBQD = 1,2-Benzoquinonedioxime). *Chemistry Letters*, **1997**, 26, 1237-1238 1.7 8
- 215 Structural and transport properties of the incommensurate organic superconductor (MDTBT)(I3)0.417. *Physical Review B*, **2005**, 71, 33 8
- 214 129I Mössbauer Spectroscopic Study in a MMX-Chain System, M<sub>2</sub>(dta)<sub>4</sub>I (M = Ni, Pt, dta = CH<sub>3</sub>CS<sub>2</sub>) *Synthetic Metals*, **1999**, 103, 2159-2160 3.6 8
- 213 H-bonded system of 1-D d and f states; [Pd(H<sub>2</sub>EDAG)(HEDAG)]TCNQ. *Synthetic Metals*, **1995**, 71, 1919-1920<sup>3.6</sup> 8
- 212 Novel gangliosides containing the sialyl-Le(a) structure from a human rectal adenocarcinoma. *Journal of Biological Chemistry*, **1993**, 268, 26541-5 5.4 8

211	Thermodynamic Metal-Insulator Transition in a Hydrogen-Bonded Organic-Inorganic Hybrid Conductor, [Pd(H <sub>2</sub> -xedag)(Hedag)] <sub>2</sub> TCNQ (x=1/3)20). <i>Journal of the Physical Society of Japan</i> , <b>1999</b> , 68, 3592-3599	1.5	8
210	Molecular structures, and optical and magnetic properties of free-base tetrapyrazinoporphyrazine in various reduction states. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 19214-19222	3.6	8
209	{CpFe(CO)Sn(Macrocycle)} Radicals with Intrinsic Charge Transfer from CpFe(CO) to Macrocycles (Cp: Cp or Cp*); Effective Magnetic Coupling between Radical Trianionic Macrocycles. <i>ACS Omega</i> , <b>2018</b> , 3, 14875-14888	3.9	8
208	Drastic rearrangement of self-assembled hydrogen-bonded tapes in a molecular crystal. <i>Chemical Communications</i> , <b>2018</b> , 54, 8571-8574	5.8	8
207	Correlation between the electronic/local structure and CO-oxidation activity of Pd <sub>x</sub> Ru <sub>1-x</sub> alloy nanoparticles. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 546-553	5.1	7
206	Salt of Ring-Reduced Iron(II) Octaethyltetrapyrazinoporphyrazine Containing Trimetallic Dianions with Peripherally Coordinated ZnCl <sub>2</sub> Units: {Fe <sup>II</sup> (TPyzPzEt <sub>8</sub> ) <sub>4</sub> [ZnCl <sub>2</sub> ] <sub>2</sub> } <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2019, 2918-2923	2.3	7
205	Molecular Structure, Optical, and Magnetic Properties of Free-Base Naphthalocyanine Dianions. <i>European Journal of Organic Chemistry</i> , <b>2018</b> , 2018, 3410-3415	3.2	7
204	<sup>61</sup> Ni synchrotron radiation-based Mössbauer spectroscopy of nickel-based nanoparticles with hexagonal structure. <i>Scientific Reports</i> , <b>2016</b> , 6, 20861	4.9	7
203	The relationship between crystalline disorder and electronic structure of Pd nanoparticles and their hydrogen storage properties.. <i>RSC Advances</i> , <b>2019</b> , 9, 21311-21317	3.7	7
202	Synthesis of a novel isorecticular metal-organic framework by protection and complexation of 2,5-dihydroxyterephthalic acid. <i>Supramolecular Chemistry</i> , <b>2011</b> , 23, 315-318	1.8	7
201	( <sup>129</sup> I) Mössbauer spectroscopic study of a metallic MMX chain system. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8044-9	5.1	7
200	Structure manufacturing of proton-conducting organic-inorganic hybrid silicophosphate membranes by solventless synthesis. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 796-803	2.5	7
199	Metallic bipolaron phase and its re-entrant phenomenon in the Au mixed-valence compounds Cs <sub>2</sub> Au <sub>2</sub> X <sub>6</sub> (X=Cl, I) under high pressure. <i>Synthetic Metals</i> , <b>1997</b> , 86, 2175-2176	3.6	7
198	A new hydrogen-bonded charge-transfer complex [Ni(Hpydt) <sub>2</sub> ]TNAP: Synthesis, structure and electrical conductivity. <i>Inorganic Chemistry Communication</i> , <b>2007</b> , 10, 860-862	3.1	7
197	Pressure-Induced Metal-Semiconductor-Metal Transitions in an MMX-Chain Complex, Pt <sub>2</sub> (C <sub>2</sub> H <sub>5</sub> CS <sub>2</sub> ) <sub>4</sub> I. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 3567-3570	2.3	7
196	Structure analysis of high-pressure metallic state of the three-dimensional mixed-valence compound Cs <sub>2</sub> AuI <sub>3</sub> Au <sub>11</sub> I <sub>6</sub> by X-ray diffraction using SR. <i>Synthetic Metals</i> , <b>1991</b> , 42, 1953-1956	3.6	7
195	Rational Synthesis for a Noble Metal Carbide. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1247-1253	10.5	7
194	Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20173-20177	16.4	7

193	Ultrafine Metal-Organic Right Square Prism Shaped Nanowires. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 6558-6561	16	7
192	Discovery of Zr-based metal-organic polygon: Unveiling new design opportunities in reticular chemistry. <i>Nano Research</i> , <b>2021</b> , 14, 392-397	10	7
191	Heavy interstitial hydrogen doping into SrTiO. <i>Chemical Communications</i> , <b>2018</b> , 54, 12439-12442	5.8	7
190	Fabrication of Integrated Copper-Based Nanoparticles/Amorphous Metal-Organic Framework by a Facile Spray-Drying Method: Highly Enhanced CO Hydrogenation Activity for Methanol Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22283-22288	16.4	7
189	Mixed-Valence Nickel Bis(azamacrocyclic) Compounds with Ghost-Leg-type Sheets. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3838-3841	16.4	6
188	Salts of Anionic Metal Carbonyl Clusters with Cryptand[2.2.2](Na <sup>+</sup> ), DB-18-crown-6(Na <sup>+</sup> ), and Paramagnetic Cp*2Cr <sup>+</sup> Cations Obtained by Reduction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 472-483	1.3	6
187	Partial Substitution of Ag(I) for Cu(I) in Quantum Spin Liquid [ET]Cu(CN), Where ET Is Bis(ethylenedithio)tetrathiafulvalene. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4820-4827	5.1	6
186	Crystal Size Effect on the Spin-Crossover Behavior of {Fe(py)[Pt(CN)]} (py = Pyridine) Monitored by Raman Spectroscopy. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 16819-16823	5.1	6
185	Synthesis and properties of N-methylimidazole solvates of vanadium(ii), chromium(ii) and iron(ii) phthalocyanines. Strong NIR absorption in V(MeIm)(Pc). <i>Dalton Transactions</i> , <b>2018</b> , 47, 4661-4671	4.3	6
184	Crystal Structure-dependent Thermal Stability and Catalytic Performance of AuRu <sub>3</sub> Solid-solution Alloy Nanoparticles. <i>Chemistry Letters</i> , <b>2018</b> , 47, 559-561	1.7	6
183	Stacking fault density and bond orientational order of fcc ruthenium nanoparticles. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 253101	3.4	6
182	Spin-Charge Coupling in the Molecular Conductor (DIETSe) <sub>2</sub> FeBr <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 043704	1.5	6
181	Pressure-induced consecutive phase transitions of a metallic MMX-chain complex, Pt <sub>2</sub> (dtp) <sub>4</sub> I (dtp: C <sub>2</sub> H <sub>5</sub> CS <sub>2</sub> ). <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 1673-6	4.5	6
180	Galvanostatic Transient Studies on Copper Coordination Polymer under Hydrogen Absorption. <i>Chemistry Letters</i> , <b>2006</b> , 35, 546-547	1.7	6
179	Substituent effect on the magnetic properties of copper coordination polymers with dithiooxamide and N,N'-bis-(hydroxyethyl)dithiooxamide. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 433-435	3.6	6
178	Relaxation Process of CT Exciton State in a One-Dimensional MX-Chain Compound NiBr( chxn ) <sub>2</sub> ]Br <sub>2</sub> . <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 379, 279-284	0.5	6
177	Electronic State of A Hydrogen-Doped Copper Coordination Polymer: N , N'-bis-(hydroxyethyl)dithiooxamidatocopper(II), (HOC <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> dtoa Cu. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 379, 223-228	0.5	6
176	A novel charge-transfer complex of TTF having uracil moiety with TCNQ. <i>Synthetic Metals</i> , <b>2001</b> , 120, 741-742	3.6	6

175	Syntheses and physical properties of quasi-one-dimensional halogen-bridged Cu(II)(-)/Pt(IV) mixed-metal complexes [Cu(chxn)(2)][PtX(2)(chxn)(2)]X(4). <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 6651-5	5.1	6
174	The Valence Transition in a Conductive MMX-Chain System, Pt <sub>2</sub> (dta) <sub>4</sub> I (dta = CH <sub>3</sub> CS <sub>2</sub> )]. <i>Synthetic Metals</i> , <b>1999</b> , 103, 2151-2152	3.6	6
173	Control of Charge Instabilities in Quasi-One-Dimensional Halogen-Bridged Nickel Compounds. <i>Molecular Crystals and Liquid Crystals</i> , <b>1994</b> , 256, 179-186		6
172	Nonequilibrium Flow-Synthesis of Solid-Solution Alloy Nanoparticles: From Immiscible Binary to High-Entropy Alloys. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 458-463	3.8	6
171	Chemoselective hydrogenation of heteroarenes and arenes by Pd-Ru-PVP under mild conditions.. <i>RSC Advances</i> , <b>2020</b> , 10, 44191-44195	3.7	6
170	Freezing the Motion in Hydroxy-Functionalized Ionic Liquids-Temperature Dependent NMR Deuteron Quadrupole Coupling Constants for Two Types of Hydrogen Bonds Far below the Glass Transition. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 6000-6006	6.4	6
169	Effect of reduction on the molecular structure and optical and magnetic properties of fluorinated copper(II) phthalocyanines. <i>Dalton Transactions</i> , <b>2020</b> , 49, 16821-16829	4.3	6
168	Chromic Ionic Liquids. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 2468-2482	4	6
167	Metal-Organic Frameworks [Heading towards Application. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 4273-4274	2.3	6
166	Distortion and electronic structure of ordered C <sub>60</sub> radical anions in the salt with {Co(dppe) <sub>2</sub> CO}+ cations (dppe: 1,2-bis(diphenylphosphino)ethane). <i>Inorganica Chimica Acta</i> , <b>2018</b> , 483, 504-509	2.7	6
165	Ion-conductive metal-organic frameworks. <i>Dalton Transactions</i> , <b>2021</b> , 50, 5385-5397	4.3	6
164	Remarkably enhanced proton conduction of {NBu(CHCOOH)}[MnCr(ox)] by multiplication of carboxyl carrier in the cation. <i>Chemical Communications</i> , <b>2020</b> , 56, 6138-6140	5.8	5
163	Enhancement of Ionic Conductivity in Organic Ionic Plastic Crystals by Introducing Racemic Ammonium Ions. <i>Chemistry Letters</i> , <b>2018</b> , 47, 497-499	1.7	5
162	Toward step-by-step nuclear growth of surface two-dimensional porphyrin nanonetworks. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 413, 71-7	9.3	5
161	Disappearance of the Superionic Phase Transition in Sub-5 nm Silver Iodide Nanoparticles. <i>Nano Letters</i> , <b>2017</b> , 17, 5273-5276	11.5	5
160	Unconventional Magnetic and Resistive Hysteresis in an Iodine-Bonded Molecular Conductor. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10169-72	16.4	5
159	A new type of iodosulfite ion formulated as I <sub>2</sub> SO <sub>2</sub> (2-). <i>Chemical Communications</i> , <b>2009</b> , 204-5	5.8	5
158	Molecular structure and properties of bis(O-diiminobenzosemiquinonato) metal(II) complexes monocation in salts and charge transfer complexes. <i>Synthetic Metals</i> , <b>2005</b> , 153, 465-468	3.6	5

157	Ab initio calculations of copper coordination polymers: H <sub>2</sub> dtoaCu and (HOC <sub>2</sub> H <sub>4</sub> ) <sub>2</sub> dtoaCu (dtoa = dithiooxamide). <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 411-412	3.6	5
156	Electronic State of a Halogen-Bridged Mixed-Valence Binuclear Complex, Ni <sub>2</sub> (dta) <sub>4</sub> I. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 379, 309-314	0.5	5
155	Charge Fluctuation in MMX Chain Compounds, R <sub>4</sub> [Pt <sub>2</sub> (pop) <sub>4</sub> I]. <i>Synthetic Metals</i> , <b>1999</b> , 103, 2164-2165	3.6	5
154	Crystalline to amorphous transformation in solid-solution alloy nanoparticles induced by boron doping. <i>Chemical Communications</i> , <b>2020</b> , 56, 12941-12944	5.8	5
153	Use of Halogen Bonding in a Molecular Solid Solution to Simultaneously Control Spin and Charge. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7276-7286	9.6	5
152	Development of adiabatic calorimetry system for enthalpy of gas absorption/adsorption and its application to H <sub>2</sub> /D <sub>2</sub> absorption into palladium nanoparticles. <i>Thermochimica Acta</i> , <b>2018</b> , 670, 87-91	2.9	5
151	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11025-11029	3.6	4
150	Electronic Communication between S=1/2 Spins in Negatively-charged Double-caged Fullerene C Derivative Bonded by Two Single Bonds and Pyrrolizidine Bridge. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1958-1964	4.5	4
149	Significantly enhanced CO oxidation activity induced by a change in the CO adsorption site on Pd nanoparticles covered with metal-organic frameworks. <i>Chemical Communications</i> , <b>2020</b> , 56, 3839-3842	5.8	4
148	NMR-based gap behavior related to the quantum size effect. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
147	Radical Anions of Free-Base Tetraphenyl- and Tetrakis(pentafluorophenyl)porphyrins: Effect of Substituents on the Properties and Charge Disproportionation in {Cryptand[2.2.2](Cs <sup>+</sup> )}(H <sub>2</sub> TPP) <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 2615-2623	2.3	4
146	Probing dynamics of carbon dioxide in a metal-organic framework under high pressure by high-resolution solid-state NMR. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 14465-14470	3.6	4
145	Conducting Behavior and Valence Ordering of a One-Dimensional MMX-Type Coordination Polymer under High Pressure. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 4402-4407	2.3	4
144	Structural studies of metal nanoparticles using high-energy x-ray diffraction <b>2016</b> ,		4
143	Investigation of selective chemisorption of fcc and hcp Ru nanoparticles using X-ray photoelectron spectroscopy analysis. <i>Journal of Catalysis</i> , <b>2019</b> , 380, 247-253	7.3	4
142	Facile Synthesis of Small MgO Nanoparticle/Metal-Organic Framework Hybrid Material. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1459-1460	1.7	4
141	A Novel Triangular Macrocyclic Compound, [(tmeda)Pt(azpy)] <sub>3</sub> (PF <sub>6</sub> ) <sub>6</sub> ·3H <sub>2</sub> O (tmeda: Tetramethylethylenediamine, azpy: 4,4'-Azopyridine). <i>Chemistry Letters</i> , <b>2013</b> , 42, 374-376	1.7	4
140	Physical properties of quasi-one-dimensional charge-transfer metal complexes;[M(HBQD) <sub>2</sub> ]TCNQ (M=Ni, Pd; H <sub>2</sub> BQD=1,2-benzoquinonedioxime). <i>Synthetic Metals</i> , <b>1997</b> , 86, 1803-1804	3.6	4

139	129I Mössbauer spectroscopic study of a one-dimensional halogen-bridged binuclear complex, Pt <sub>2</sub> (dtp) <sub>4</sub> I (dtp=C <sub>2</sub> H <sub>5</sub> CS <sub>2</sub> -). <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 405-406	3.6	4
138	Spin Structure and Dynamics in a Spin 1/2 One Dimensional Antiferromagnet, [NiBr(chxn) <sub>2</sub> ]Br <sub>2</sub> (chxn: 1R,2R-cyclohexanediamine). <i>Chemistry Letters</i> , <b>2002</b> , 31, 856-857	1.7	4
137	Competition between electron-phonon interaction and electron-correlation in Ni-Pd mixed-metal MX chain compounds. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1779-1780	3.6	4
136	A new two-band system of d and $\pi$ with interband H bridges. <i>Synthetic Metals</i> , <b>1993</b> , 56, 1783-1786	3.6	4
135	New Type of H-Bonded CT Complexes; [M(H <sub>2</sub> DAG)(HDAG)]TCNQ (M = Ni,Pd,Pt). <i>Molecular Crystals and Liquid Crystals</i> , <b>1993</b> , 228, 155-160		4
134	Structural Evaluation of an Iron Oxalate Complex Layer Grown on an Ultra-smooth Sapphire (0001) Surface by a Wet Method. <i>Transactions of the Materials Research Society of Japan</i> , <b>2008</b> , 33, 629-631	0.2	4
133	Double-Decker Paramagnetic {(K)(H Hhp) } Radical Dianions Comprising Two [30]Trithia-2,3,5,10,12,13,15,20,22,23,25,30-Dodecaazahexaphyrins and a Potassium Ion. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 61-65	4.5	4
132	Ultrafast fabrication of thermally stable protein-coated silver iodide nanoparticles for solid-state superionic conductors. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 176, 47-54	6	4
131	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 2252-2257	3.6	4
130	Various Stacking Patterns of Two-Dimensional Molecular Assemblies in Hydrogen-Bonded Cocrystals: Insight into Competitive Intermolecular Interactions and Control of Stacking Patterns. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22839-22848	16.4	4
129	Coordination Complexes of Fullerene C <sub>60</sub> with Rhodium {Cp*RhII(ECl)} <sub>2</sub> ( $\Phi$ , $\Phi$ -C <sub>60</sub> ) and (Bu <sub>4</sub> N+){Cp*RhI(Cl)( $\Phi$ -C <sub>60</sub> )} Temperature-Induced Charge Transfer from RhI to $\Phi$ -C <sub>60</sub> . <i>Organometallics</i> , <b>2017</b> , 36, 4032-4037	3.8	3
128	Strong magnetic coupling of spins in Fe(ii) dimers with differently charged thioindigo ligands. <i>Dalton Transactions</i> , <b>2020</b> , 49, 7692-7696	4.3	3
127	Triangular-Lattice Organic Mott Insulator with a Disorder-Free Polyanion. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8647-8651	5.1	3
126	Flavanthrone $\pi$ a new ligand with accessible radical anion and dianion states: preparation of zwitterionic {(Cp <sub>2</sub> V) <sub>2</sub> (flavanthrone)} and {(Cp <sub>2</sub> V) <sub>2</sub> (chloranil)} complexes. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10849-10858	3.6	3
125	Reaction of tin(iv) phthalocyanine dichloride with decamethylmetallocenes (M = Cr and Co). Strong magnetic coupling of spins in (Cp*Co){SnCl(Pc)} <sub>2</sub> CHCl. <i>Dalton Transactions</i> , <b>2018</b> , 47, 1243-1250	4.3	3
124	A Seed-mediated Spray-drying Method for Facile Syntheses of Zr-MOF and a Pillared-layer-type MOF. <i>Chemistry Letters</i> , <b>2016</b> , 45, 1313-1315	1.7	3
123	Interplay between spin-density wave and 3d local moments with random exchange in a molecular conductor. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	3
122	The Electronic State of Hydrogen in the $\beta$ Phase of the Hydrogen-Storage Material PdH(D) <sub>x</sub> : Does a Chemical Bond Between Palladium and Hydrogen Exist?. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9971-9975	3.6	3

121	The First Study on the Reactivity of Water Vapor in Metal-Organic Frameworks with Platinum Nanocrystals. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11857-11862	3.6	3
120	Conducting Coronene Cation Radical Salt Containing Magnetic Metal Ions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 14068-14074	5.1	3
119	A Novel Platinum(III) Platinum(III) Neutral Dimer Complex, Pt <sub>2</sub> (cdtb) <sub>4</sub> I <sub>2</sub> (cdtb: 4-Cyanodithiobenzoate). <i>Chemistry Letters</i> , <b>2019</b> , 48, 1035-1037	1.7	3
118	Magnetic anisotropy in a spin 1/2 quasi-one-dimensional antiferromagnetic copper(II) complex CuCl <sub>2</sub> (pdz) with a staggered g-tensor. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11529-32	4.3	3
117	Facile Liquid-phase Synthesis and Optical Properties of Small Silver Iodide Quantum Dots. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1355-1356	1.7	3
116	A compact low-temperature hydrogen ion beam apparatus for in situ physical property measurements. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 123904	1.7	3
115	Time-resolved luminescence spectroscopy of self-trapped excitons in ladder type Br-bridged Pt complexes. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 224503	3.9	3
114	Propagation of a ballistic nuclear wavepacket on an adiabatic potential surface of a one-dimensional Br-bridged Pd complex without a self-trapped exciton state. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	3
113	Powder XRD and Solid-State 2H-NMR Studies on RAP-Protected Palladium Nanoparticle (RAP = Rubenic-Acid Polymer). <i>Solid State Phenomena</i> , <b>2006</b> , 111, 107-110	0.4	3
112	Novel CT complexes of 4-hydroxyphenylthio-substituted TTFs with TCNQ or DDQ. <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 537-538	3.6	3
111	Electron-Proton Co-operation in I-D d-Electronic State-Basic Study of Protono-Electronics-. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 285, 249-256		3
110	IC Compatible Processing of Si:Er for Optoelectronics. <i>Materials Research Society Symposia Proceedings</i> , <b>1993</b> , 298, 415		3
109	<sup>197</sup> Au Mössbauer spectroscopy of the cubic phase in the halogen bridged mixed valence complex Cs <sub>2</sub> Au <sub>2</sub> I <sub>6</sub> . <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>1993</b> , 76, 321-322	1.2	3
108	Synthesis and Magnetic Properties of a Dimerized Trinuclear Ni String Complex, [NiCl(dpa)] <sub>2</sub> (I) <sub>2</sub> ·2.5I (dpa = 2,2'-Dipyridylamide Anion). <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16029-16034	5.1	3
107	Cleavage of the C-H Bond in BuMeP by Zinc Porphyrin Dianions: Formation of {Zn(CHPBu)(TPyPH)} Containing Zn-C(ylide) Bond and the (TPyPH) Macrocycle Showing Strong NIR Absorption. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 1169-1175	5.1	3
106	Highly Stable and Active Solid-Solution-Alloy Three-Way Catalyst by Utilizing Configurational-Entropy Effect. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005206	24	3
105	Ferroelectric and Spin Crossover Behavior in a Cobalt(II) Compound Induced by Polar-Ligand-Substituent Motion. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12717-12722	16.4	3
104	Mechanism of Hydrogen Storage and Structural Transformation in Bimetallic Pd-Pt Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23502-23512	9.5	3

103	An Electrically Conductive Single-Component Donor-Acceptor-Donor Aggregate with Hydrogen-Bonding Lattice. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 13027-13034	5.1	3
102	Coating of 2D Flexible Metal-Organic Frameworks on Metal Nanocrystals. <i>Chemistry Letters</i> , <b>2019</b> , 48, 173-176	1.7	3
101	Discovery of Hexagonal Structured Pd-B Nanocrystals. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6678-6682	3.6	2
100	Structural and Thermodynamic Studies of Hydrogen Absorption/Desorption Processes on PdPt Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 9471-9478	3.8	2
99	Decacyclene Radical Anions Showing Strong Low-energy Intramolecular Absorption and Magnetic Coupling of Spins in a Hexagonal Network. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 2689-2695	4.5	2
98	New Insights on the Formation Process and Thermodynamics of the $\beta$ -Phase PdH(D) <sub>x</sub> through Direct Enthalpy Measurement of H(D) Dissolution. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8663-8668	3.8	2
97	High-pressure Effect on a Proton-conducting Metal-Organic Framework, LaCr(C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> ·10H <sub>2</sub> O. <i>Chemistry Letters</i> , <b>2019</b> , 48, 746-748	1.7	2
96	Phase Transition and Dynamics of Water Confined in Hydroxyethyl Copper Rubinate Hydrate. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, SA010	1.5	2
95	Electronic Properties of Fullerenes. <i>Molecular Crystals and Liquid Crystals</i> , <b>1997</b> , 296, 357-364	0.5	2
94	Determination of the electronic structure in the strongly correlated 1-D electron systems: X-ray photoelectron and Auger spectroscopy of halogen-bridged nickel complexes. <i>Synthetic Metals</i> , <b>1997</b> , 86, 2139-2140	3.6	2
93	Ultrafast dynamical study of self-trapped excitons in ladder type of halogen-bridged Pt complexes. <i>Journal of Luminescence</i> , <b>2008</b> , 128, 1081-1083	3.8	2
92	Incommensurate structure and the superconducting properties of the organic superconductor (MDT-ST)(I <sub>3</sub> ) <sub>0.417</sub> . <i>European Physical Journal Special Topics</i> , <b>2004</b> , 114, 517-519		2
91	Complementary double hydrogen-bonded CT complexes of TTF having uracil moiety. <i>Synthetic Metals</i> , <b>2003</b> , 133-134, 337-339	3.6	2
90	Spin dynamics in a halogen-bridged 1-D complex, [PdBr(chxn) <sub>2</sub> ]Br <sub>2</sub> ; (chxn = (1R,2R)-1,2-diaminocyclohexane). <i>Synthetic Metals</i> , <b>2003</b> , 135-136, 419-420	3.6	2
89	Magnetic interaction in 2D sheet structure of bis(1H, 4H-5,6-diethylpyrazinedithiolato) copper(II) trifluoroacetate. <i>Polyhedron</i> , <b>2005</b> , 24, 2528-2532	2.7	2
88	Valence Localization and its Ordering in a Mixed-Valence MMX-Chain Complex, Pt <sub>2</sub> (dta) <sub>4</sub> I (dta = CH <sub>3</sub> CS <sub>2</sub> )]. <i>Molecular Crystals and Liquid Crystals</i> , <b>2000</b> , 342, 111-120		2
87	An unusual six-coordinate platinum(II) complex containing a neutral I <sub>2</sub> ligand. <i>Chemical Communications</i> , <b>2001</b> , 1642-3	5.8	2
86	Synthesis, Crystal Structure and Physical Properties of Charge Transfer Coordination Complex, [Pt(H <sub>2</sub> DAG)(HDAG)][Ni(dmit) <sub>2</sub> ].1/2H <sub>2</sub> O.CH <sub>3</sub> CN.CH <sub>3</sub> OH. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 284, 391-398		2

85	A Molecular Charge Transfer Salt of BEDT-TTF with $[\text{Cr}(\text{C}_2\text{O}_4)_3]^{3-}$ : Synthesis and Physical Properties. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 284, 49-59		2
84	A Preinstalled Protic Cation as a Switch for Superprotonic Conduction in a Metal-Organic Framework.. <i>Jacs Au</i> , <b>2022</b> , 2, 109-115		2
83	Carbon-supported $\text{WO}_x/\text{Ru}$ -based catalysts for the selective hydrogenolysis of glycerol to 1,2-propanediol. <i>Catalysis Science and Technology</i> , <b>2022</b> , 12, 259-272	5.5	2
82	Raman Investigation of the One-Dimensional Organic Conductor with a Half-Filled Band, (TTM-TTP) $\text{I}_3$ . <i>Journal of the Physical Society of Japan</i> , <b>1999</b> , 68, 3748-3749	1.5	2
81	Uniaxial Strain Induced Superconductivity in Quantum Spin Liquid $\text{[(ET)}_2\text{Ag}_2(\text{CN})_3$ . <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 054709	1.5	2
80	Catalytic Activity of Rh Nanoparticles with High-index Faces for Hydrogen Evolution Reaction in Alkaline Solution. <i>Chemistry Letters</i> , <b>2020</b> , 49, 207-209	1.7	2
79	Coreduction methodology for immiscible alloys of CuRu solid-solution nanoparticles with high thermal stability and versatile exhaust purification ability. <i>Chemical Science</i> , <b>2020</b> , 11, 11413-11418	9.4	2
78	One-dimensional electronic systems: metal-chain complexes and organic conductors. <i>Chemical Communications</i> , <b>2020</b> , 56, 10100-10112	5.8	2
77	Molecule-based Mixed Conductor of Proton and Electron Composed of Neutral $\pi$ -Planar Metal Complexes. <i>Chemistry Letters</i> , <b>2021</b> , 50, 439-441	1.7	2
76	Control of Proton-Conductive Behavior with Nanoenvironment within Metal-Organic Materials. <i>Small</i> , <b>2021</b> , 17, e2006189	11	2
75	Phase Control of Noble Monometallic and Alloy Nanomaterials by Chemical Reduction Methods. <i>ChemPlusChem</i> , <b>2021</b> , 86, 504-519	2.8	2
74	Dianionic States of Trithiadodecaazahexaphyrin Complexes with Homotrinnuclear MO Clusters (M = Ni and Cu): Crystal Structures, Metal- Or Macrocycle-Centered Reduction, and Doublet-Quartet Transitions in the Dianions. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 9857-9868	5.1	2
73	Investigation of microstructure and hydrogen absorption properties of bulk immiscible AgRh alloy nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 869, 159268	5.7	2
72	Bis(ethylenedithio)tetrathiafulvalene Cation Radical Salts Composed of Nonuniform Silver(I) Complex Polyanions. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16703-16711	5.1	2
71	Synchrotron-radiation-based Mössbauer absorption spectroscopy with high resonant energy nuclides. <i>Hyperfine Interactions</i> , <b>2019</b> , 240, 1	0.8	2
70	Magnetic Exchange through the Dianionic Hexaazatrinaphthylene (HATNA) Ligand in $\{\text{HATNA}(\text{Fe}(\text{II})\text{Cl}_2)_3\}_2$ Containing Fe(II) ( $S=2$ ) Triangles. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 86-92	2.3	2
69	Boosting reverse water-gas shift reaction activity of Pt nanoparticles through light doping of W. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 15613-15617	13	2
68	Strain-Controlled Spin Transition in Heterostructured Metal-Organic Framework Thin Film. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 16128-16135	16.4	2

67	Recording the Pt-beyond hydrogen production electrocatalysis by dirhodium phosphide with an overpotential of only 4.3 mV in alkaline electrolyte. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 297, 120457	21.8	2
66	Hydrogen absorption and diffusion behaviors in cube-shaped palladium nanoparticles revealed by ambient-pressure X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , <b>2022</b> , 587, 152797	6.7	2
65	Mixed-Valence Nickel Bis(azamacrocyclic) Compounds with Ghost-Leg-type Sheets. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3896-3899	3.6	1
64	Synthesis of Pt Nanoparticles Enveloped with Flexible Zeolitic Imidazolate Framework. <i>Chemistry Letters</i> , <b>2020</b> , 49, 1047-1049	1.7	1
63	Metal phthalocyanine (CV+){MCl <sub>2</sub> Pc} salts with two chromophores (CV+: Crystal violet, Pc: Phthalocyanine) based on SnIIPc and FeIIIClPc phthalocyanines. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 510, 119732	2.7	1
62	<sup>61</sup> Ni synchrotron-radiation-based Mössbauer absorption spectroscopy of Ni nanoparticle composites. <i>Hyperfine Interactions</i> , <b>2018</b> , 239, 1	0.8	1
61	Unusual Magnetic Ordering Observed in Nanosized S = 1/2 Quantum Spin System (CH <sub>3</sub> ) <sub>2</sub> NH <sub>2</sub> CuCl <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 054716	1.5	1
60	First In Situ NMR Observation of Hydrogen Adsorbed inside [Cu <sub>3</sub> (btc) <sub>2</sub> ] at Ambient Temperature and Pressure. <i>Chemistry Letters</i> , <b>2014</b> , 43, 1363-1364	1.7	1
59	The Concentration Control of Magnetic Fullerene C <sub>60</sub> Radical Anions in a Crystal Lattice of the (Bu <sub>4</sub> N <sup>+</sup> ) <sub>2</sub> {(C <sub>60</sub> ) <sup>-</sup> C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> } <sub>x</sub> {[CpMo(CO) <sub>2</sub> C <sub>60</sub> ]} <sub>2-x</sub> (x=1, 0.74) Complexes. <i>ChemistrySelect</i> , <b>2017</b> , 2, 6640-6644	1.8	1
58	High Removal Efficiency and Regeneration Property of Formaldehyde Capture by Ti <sup>4+</sup> -based Porous Coordination Polymer. <i>Chemistry Letters</i> , <b>2015</b> , 44, 1694-1696	1.7	1
57	Disordered polyhalide anion effect on the Fermi surface of the incommensurate organic superconductor (MDT-TSF) <sub>10.77</sub> Br <sub>0.52</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	1
56	Filling control of the 1-D band of TCNQ in H-bonded organic-inorganic hybrid system. <i>Synthetic Metals</i> , <b>1997</b> , 86, 2105-2106	3.6	1
55	A novel electron conductive nanocomposite, BEDO-TTF/betasilicicfluormica. <i>Solid State Communications</i> , <b>2003</b> , 127, 407-410	1.6	1
54	Structural and Optical Properties of Pt <sub>2</sub> (dtp) <sub>4</sub> Br <sub>2</sub> (dtp = dithiopropionato) and its Halogen-Replacement Effect. <i>Molecular Crystals and Liquid Crystals</i> , <b>2002</b> , 379, 315-320	0.5	1
53	Temperature dependence of Raman scattering in K <sub>3</sub> Ba <sub>3</sub> C <sub>60</sub> . <i>Journal of Physics Condensed Matter</i> , <b>1999</b> , 11, 8329-8340	1.8	1
52	Structural control of quasi-one-dimensional halogen-bridged nickel complexes. <i>Synthetic Metals</i> , <b>1995</b> , 71, 1913-1914	3.6	1
51	Band-Filling Control in Organic-Inorganic Hybrid Molecular System. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 285, 257-261		1
50	Structural Study on Novel Molecular System with Hydrogen-Bondings. <i>Molecular Crystals and Liquid Crystals</i> , <b>1996</b> , 285, 263-267		1

49	Poly[butane-1,4-diammonium [tri- $\beta$ -xalato-dimanganese(II)] hexahydrate]. <i>IUCrData</i> , <b>2016</b> , 1,	0.7	1
48	Magnetic-Field Dependence of Novel Gap Behavior Related to the Quantum-Size Effect. <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 095002	1.5	1
47	Weak antiferromagnetic exchange and ferromagnetic alignment of FeII (S = 2) spins in differently charged {HAT[FeII(Cl <sub>2</sub> ) <sub>3</sub> ] <sub>n</sub> (n = 2- and 3-) assemblies of hexaazatriphenylenes (HAT)}. <i>Chemistry - A European Journal</i> , <b>2022</b> ,	4.8	1
46	Study on Chemical Reactivity Control of Sodium by Suspended Nanoparticles I		1
45	Reversible resistance switching by excess hydrogen doping in rutile TiO <sub>2</sub> . <i>Applied Physics Express</i> , <b>2020</b> , 13, 105502	2.4	1
44	Quasielastic neutron scattering study on proton dynamics assisted by water and ammonia molecules confined in MIL-53. <i>Structural Dynamics</i> , <b>2021</b> , 8, 054501	3.2	1
43			
42	A Mixed-Valent Metal-Organic Ladder Linked by Pyrazine. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> ,	1.8	1
41	Electron-Proton Co-Operation in 1-D Metallic States <b>1997</b> , 403-413		1
40	New Series of Pentanary Oxides, AM <sub>2</sub> C <sub>6</sub> Te <sub>3</sub> O <sub>18</sub> (A = Pb, Sr; M = Mn, Cd; C = Ni, Co): Synthesis, Structure, and Magnetic and Optical Properties. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 25071-25077	3.8	1
39	Solid-State Properties of Hexaazatriphenylenehexacarbonitrile HAT(CN) Radical Anions in Crystalline Salts Containing Cryptand(M) and Crystal Violet Cations. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 17470-17480	4.8	1
38	Statistical Evaluation of the Solid-Solution State in Ternary Nanoalloys. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 21843-21852	3.8	1
37	Heavy Hydrogen Doping into ZnO and the H/D Isotope Effect. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6616-6621	16.4	1
36	Frontispiece: A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58,	16.4	1
35	Surface morphology-induced spin-crossover-inactive high-spin state in a coordination framework. <i>Chemical Communications</i> , <b>2021</b> , 57, 1462-1465	5.8	1
34	Modular Cavities: Induced Fit of Polar and Apolar Guests into Halogen-Based Receptors. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6222-6225	5.1	1
33	Various Stacking Patterns of Two-Dimensional Molecular Assemblies in Hydrogen-Bonded Cocrystals: Insight into Competitive Intermolecular Interactions and Control of Stacking Patterns. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23021	3.6	1
32	Ni@onion-like carbon and Co@amorphous carbon: control of carbon structures by metal ion species in MOFs. <i>Chemical Communications</i> , <b>2021</b> , 57, 5897-5900	5.8	1

31	Macrocyclic- and metal-centered reduction of metal tetraphenylporphyrins where the metal is copper(II), nickel(II) and iron(II). <i>Dalton Transactions</i> , <b>2021</b> , 50, 15620-15632	4.3	1
30	Highly-ordered Porous Coordination Polymer Nanofilms Grown by Layer-by-Layer Deposition Technique. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1312, 1		0
29	Synthesis of Hexaazatriphenylene Charge-Transfer Complexes and Their Application in Cathode Active Materials for Lithium-Ion Batteries. <i>Crystal Growth and Design</i> ,	3.5	0
28	Enhanced Hydrogenation Catalytic Activity of Ruthenium Nanoparticles by Solid-Solution Alloying with Molybdenum. <i>European Journal of Inorganic Chemistry</i> , <b>2021</b> , 2021, 1186-1189	2.3	0
27	Cu <sub>2</sub> B Alloy Nanoparticles Synthesized by External Boron Doping Method. <i>Chemistry Letters</i> , <b>2021</b> , 50, 611-614	1.7	0
26	Reversible dissociation of singly-bonded (C <sub>60</sub> ) <sub>2</sub> dimers in (MV <sup>•+</sup> ) <sub>2</sub> (C <sub>60</sub> ) <sub>2</sub> solvent salt containing paramagnetic methyl viologen MV <sup>•+</sup> radical cations. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 1163-1167	3.6	0
25	Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20335-20339	3.6	0
24	Fabrication of Integrated Copper-Based Nanoparticles/Amorphous Metal-Organic Framework by a Facile Spray-Drying Method: Highly Enhanced CO <sub>2</sub> Hydrogenation Activity for Methanol Synthesis. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 22457-22462	3.6	0
23	Investigation of Local Structure and Enhanced Thermal Stability of Ir-Doped PdRu Nanoparticles for Three-Way Catalytic Applications. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 20583-20591	3.8	0
22	Self-Assembly Ultrathin Fe-Terephthalic Acid as Synergistic Catalytic Platforms for Selective Hydrogenation. <i>CCS Chemistry</i> , 1-10	7.2	0
21	Hydrogen absorption and desorption on Rh nanoparticles revealed by dispersive X-ray absorption fine structure spectroscopy.. <i>RSC Advances</i> , <b>2020</b> , 10, 19751-19758	3.7	
20	Unconventional Magnetic and Resistive Hysteresis in an Iodine-Bonded Molecular Conductor. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10307-10310	3.6	
19	B21-P-01STEM study of bimetallic Pd-Ru nanoparticles. <i>Microscopy (Oxford, England)</i> , <b>2015</b> , 64, i97.2-i97	1.3	
18	Severity of community-acquired pneumonia treated with low-dose adjunctive corticosteroid. <i>Critical Care</i> , <b>2011</b> , 15, 451; author reply 451	10.8	
17	Assembly of a Highly-Ordered Nanofilm Comprised of Molecular Frameworks and Surface/Interface Structural Study. <i>Nihon Kessho Gakkaishi</i> , <b>2010</b> , 52, 295-300		0
16	Hydrogen-Induced New Functions in Sub-Nano Lattice Matter. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2009</b> , 73, 141-150		0.4
15	Study of terahertz pump-probe spectroscopy in pseudo-one-dimensional halogen-bridged Ni complex. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 3527-3530		
14	Ultrafast time-resolved infrared luminescence spectroscopy in halogen-bridged Pd complexes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2006</b> , 3, 3531-3534		

- 13 Syntheses and physical properties of quasi-one-dimensional halogen-bridged Cu<sup>II</sup>-Pt<sup>IV</sup> mixed-metal MX-chain compounds. *Synthetic Metals*, **1999**, 103, 2648-2649 3.6
- 12 TOF Mass Spectroscopy of Fullerenes-Identification of C<sub>58</sub>-C<sub>60</sub> Pair Fullerenes-. *Molecular Crystals and Liquid Crystals*, **1994**, 256, 813-818
- 11 A New Molecular System: Cooperation of Transition Metal Chain and Ct Stack via Inter-Molecular H-Bonds. *Molecular Crystals and Liquid Crystals*, **1992**, 216, 73-77
- 10 Total x-ray scattering setup for crystalline particles at SPring-8 BL15XU NIMS beamline. *Review of Scientific Instruments*, **2021**, 92, 113905 1.7
- 9 Quantum Size Effect Probed by NMR Measurements. *Creative Economy*, **2021**, 215-230 0.6
- 8 Combined Use of Kremezin and Daio-Kanzo-To in Patients with Chronic Renal Failure.. *Kampo Medicine*, **1994**, 44, 397-401 0.1
- 7 First Observation of Superconductivity in MolybdenumRutheniumCarbon Alloy Nanoparticles. *Chemistry Letters*, **2021**, 50, 596-598 1.7
- 6 Synthesis and characterization of platinum 1,4-bis(ethynyl)benzene complexes. *Journal of Chemical Sciences*, **2021**, 133, 1 1.8
- 5 Bis(diphenylphosphino)ethane nickel polychloridophenylthiolate complexes: synthesis and characterization. *Transition Metal Chemistry*, **2021**, 46, 465-470 2.1
- 4 Innentitelbild: Void Space versus Surface Functionalization for Proton Conduction in MetalOrganic Frameworks (Angew. Chem. 37/2021). *Angewandte Chemie*, **2021**, 133, 20226-20226 3.6
- 3 Spectroscopic analysis and molecular structures of mononuclear bis(t-butyltrithiocarbonato)-nickel, -palladium and (t-butyltrithiocarbonato)(t-butylthiolato)platinum dimer. *Inorganica Chimica Acta*, **2021**, 522, 120382 2.7
- 2 Metal Nanoparticles: A Route for Phase Control in Metal Nanoparticles: A Potential Strategy to Create Advanced Materials (Adv. Mater. 6/2016). *Advanced Materials*, **2016**, 28, 978-978 2.4
- 1 First synthesis of air-stable NiZn homogeneous alloy nanoparticles through chemical reduction. *Materials Advances*, **2021**, 2, 684-687 3.3