

Hiroshi Kitagawa

List of Publications by Year in Descending Order

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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	A Preinstalled Protic Cation as a Switch for Superprotonic Conduction in a Metal-Organic Framework.. <i>Jacs Au</i> , 2022 , 2, 109-115		2
479	Carbon-supported WOXRu-based catalysts for the selective hydrogenolysis of glycerol to 1,2-propanediol. <i>Catalysis Science and Technology</i> , 2022 , 12, 259-272	5.5	2
478	Weak antiferromagnetic exchange and ferromagnetic alignment of FeII (S = 2) spins in differently charged {HAT[FeII(Cl2)3]n} (n = 2- and 3-) assemblies of hexaazatriphenylenes (HAT).. <i>Chemistry - A European Journal</i> , 2022 ,	4.8	1
477	Noble-Metal High-Entropy-Alloy Nanoparticles: Atomic-Level Insight into the Electronic Structure.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	12
476	Hydrogen absorption and diffusion behaviors in cube-shaped palladium nanoparticles revealed by ambient-pressure X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2022 , 587, 152797	6.7	2
475	Total x-ray scattering setup for crystalline particles at SPring-8 BL15XU NIMS beamline. <i>Review of Scientific Instruments</i> , 2021 , 92, 113905	1.7	
474	Quantum Size Effect Probed by NMR Measurements. <i>Creative Economy</i> , 2021 , 215-230	0.6	
473	Quasielastic neutron scattering study on proton dynamics assisted by water and ammonia molecules confined in MIL-53. <i>Structural Dynamics</i> , 2021 , 8, 054501	3.2	1
472	Synthesis and Magnetic Properties of a Dimerized Trinuclear Ni String Complex, [NiCl(dpa)](l)0.25l (dpa = 2,2MDipyridylamide Anion). <i>Inorganic Chemistry</i> , 2021 , 60, 16029-16034	5.1	3
471	Nonequilibrium Flow-Synthesis of Solid-Solution Alloy Nanoparticles: From Immiscible Binary to High-Entropy Alloys. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 458-463	3.8	6
470	Molecule-based Mixed Conductor of Proton and Electron Composed of Neutral Planar Metal Complexes. <i>Chemistry Letters</i> , 2021 , 50, 439-441	1.7	2
469	Enhanced Hydrogenation Catalytic Activity of Ruthenium Nanoparticles by Solid-Solution Alloying with Molybdenum. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1186-1189	2.3	0
468	Control of Proton-Conductive Behavior with Nanoenvironment within Metal-Organic Materials. <i>Small</i> , 2021 , 17, e2006189	11	2
467	Highly Stable and Active Solid-Solution-Alloy Three-Way Catalyst by Utilizing Configurational-Entropy Effect. <i>Advanced Materials</i> , 2021 , 33, e2005206	24	3
466	Phase Control of Noble Monometallic and Alloy Nanomaterials by Chemical Reduction Methods. <i>ChemPlusChem</i> , 2021 , 86, 504-519	2.8	2
465	Heavy Hydrogen Doping into ZnO and the H/D Isotope Effect. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6616-6621	16.4	1
464	CuPd Alloy Nanoparticles Synthesized by External Boron Doping Method. <i>Chemistry Letters</i> , 2021 , 50, 611-614	1.7	0

463	First Observation of Superconductivity in MolybdenumRutheniumCarbon Alloy Nanoparticles. <i>Chemistry Letters</i> , 2021 , 50, 596-598	1.7	
462	Ferroelectric and Spin Crossover Behavior in a Cobalt(II) Compound Induced by Polar-Ligand-Substituent Motion. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12717-12722	16.4	3
461	Synthesis and characterization of platinum 1,4-bis(ethynyl)benzene complexes. <i>Journal of Chemical Sciences</i> , 2021 , 133, 1	1.8	
460	Mechanism of Hydrogen Storage and Structural Transformation in Bimetallic Pd-Pt Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23502-23512	9.5	3
459	Anhydrous Superprotonic Conductivity of a Uranyl-Based MOF from Ambient Temperature to 110 °C 2021 , 3, 744-751		9
458	Bis(diphenylphosphino)ethane nickel polychloridophenylthiolate complexes: synthesis and characterization. <i>Transition Metal Chemistry</i> , 2021 , 46, 465-470	2.1	
457	Chromic Ionic Liquids. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2468-2482	4	6
456	Innentitelbild: Void Space versus Surface Functionalization for Proton Conduction in MetalOrganic Frameworks (Angew. Chem. 37/2021). <i>Angewandte Chemie</i> , 2021 , 133, 20226-20226	3.6	
455	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> , 2021 , 60, 9857-9868	5.1	2
454	Spectroscopic analysis and molecular structures of mononuclear bis(t-butyltrithiocarbonato)-nickel, -palladium and (t-butyltrithiocarbonato)(t-butylthiolato)platinum dimer. <i>Inorganica Chimica Acta</i> , 2021 , 522, 120382	2.7	
453	Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20173-20177	16.4	7
452	Investigation of microstructure and hydrogen absorption properties of bulk immiscible AgRh alloy nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159268	5.7	2
451	Discovery of Zr-based metal-organic polygon: Unveiling new design opportunities in reticular chemistry. <i>Nano Research</i> , 2021 , 14, 392-397	10	7
450	Magnetic Exchange through the Dianionic Hexaazatrinaphthylene (HATNA) Ligand in {HATNA(Fe II Cl 2) 3 } 2[Containing Fe II (S =2) Triangles. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 86-92	2.3	2
449	Reversible dissociation of singly-bonded (C60)2 dimers in (MV ^{•+}) ₂ (C60) ₂ solvent salt containing paramagnetic methyl viologen MV ^{•+} radical cations. <i>New Journal of Chemistry</i> , 2021 , 45, 1163-1167	3.6	0
448	Boosting reverse water-gas shift reaction activity of Pt nanoparticles through light doping of W. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 15613-15617	13	2
447	Surface morphology-induced spin-crossover-inactive high-spin state in a coordination framework. <i>Chemical Communications</i> , 2021 , 57, 1462-1465	5.8	1
446	Rational strategies for proton-conductive metal-organic frameworks. <i>Chemical Society Reviews</i> , 2021 , 50, 6349-6368	58.5	50

445	Efficient overall water splitting in acid with anisotropic metal nanosheets. <i>Nature Communications</i> , 2021 , 12, 1145	17.4	31
444	Void Space versus Surface Functionalization for Proton Conduction in Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2021 , 133, 20335-20339	3.6	0
443	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> , 2021 , 60, 22839-22848	16.4	4
442	Fabrication of Integrated Copper-Based Nanoparticles/Amorphous Metal-Organic Framework by a Facile Spray-Drying Method: Highly Enhanced CO ₂ Hydrogenation Activity for Methanol Synthesis. <i>Angewandte Chemie</i> , 2021 , 133, 22457-22462	3.6	0
441	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> , 2021 , 60, 22283-22288	16.4	7
440	Strain-Controlled Spin Transition in Heterostructured Metal-Organic Framework Thin Film. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16128-16135	16.4	2
439	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> , 2021 , 125, 20583-20591	3.8	0
438	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> , 2021 , 133, 23021	3.6	1
437	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> , 2021 , 297, 120457	21.8	2
436	First synthesis of air-stable NiZn homogeneous alloy nanoparticles through chemical reduction. <i>Materials Advances</i> , 2021 , 2, 684-687	3.3	
435	Ion-conductive metal-organic frameworks. <i>Dalton Transactions</i> , 2021 , 50, 5385-5397	4.3	6
434	Ni@onion-like carbon and Co@amorphous carbon: control of carbon structures by metal ion species in MOFs. <i>Chemical Communications</i> , 2021 , 57, 5897-5900	5.8	1
433	Macrocyclic- and metal-centered reduction of metal tetraphenylporphyrins where the metal is copper(II), nickel(II) and iron(II). <i>Dalton Transactions</i> , 2021 , 50, 15620-15632	4.3	1
432	Crystal Size Effect on the Spin-Crossover Behavior of {Fe(py)[Pt(CN)]} (py = Pyridine) Monitored by Raman Spectroscopy. <i>Inorganic Chemistry</i> , 2020 , 59, 16819-16823	5.1	6
431	Synthesis of Mo and Ru solid-solution alloy NPs and their hydrogen evolution reaction activity. <i>Chemical Communications</i> , 2020 , 56, 14475-14478	5.8	8
430	Strong magnetic coupling of spins in Fe(II) dimers with differently charged thioindigo ligands. <i>Dalton Transactions</i> , 2020 , 49, 7692-7696	4.3	3
429	Proton Transport in Metal-Organic Frameworks. <i>Chemical Reviews</i> , 2020 , 120, 8416-8467	68.1	173
428	Triangular-Lattice Organic Mott Insulator with a Disorder-Free Polyanion. <i>Inorganic Chemistry</i> , 2020 , 59, 8647-8651	5.1	3

427	Synthesis of Pt Nanoparticles Enveloped with Flexible Zeolitic Imidazolate Framework. <i>Chemistry Letters</i> , 2020 , 49, 1047-1049	1.7	1
426	Metal phthalocyanine (CV+){MCl ₂ Pc} salts with two chromophores (CV+: Crystal violet, Pc: Phthalocyanine) based on SnIIPc and FeIIIClPc phthalocyanines. <i>Inorganica Chimica Acta</i> , 2020 , 510, 119732	2.7	1
425	Superprotonic Conductivity in Metal-Organic Framework via Solvent-Free Coordinative Urea Insertion. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6861-6865	16.4	35
424	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> , 2020 , 56, 3839-3842	5.8	4
423	NMR-based gap behavior related to the quantum size effect. <i>Physical Review B</i> , 2020 , 101,	3.3	4
422	Decacyclene Radical Anions Showing Strong Low-energy Intramolecular Absorption and Magnetic Coupling of Spins in a Hexagonal Network. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2689-2695	4.5	2
421	Hydrogen absorption and desorption on Rh nanoparticles revealed by dispersive X-ray absorption fine structure spectroscopy.. <i>RSC Advances</i> , 2020 , 10, 19751-19758	3.7	
420	Flavanthronone a new ligand with accessible radical anion and dianion states: preparation of zwitterionic {(Cp ₂ V) ₂ (flavanthronone)} and {(Cp ₂ V) ₂ (chloranil)} complexes. <i>New Journal of Chemistry</i> , 2020 , 44, 10849-10858	3.6	3
419	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+)}(H ₂ TPP) European Journal of Inorganic Chemistry, 2020 , 2020, 2615-2623	2.3	4
418	Confined water-mediated high proton conduction in hydrophobic channel of a synthetic nanotube. <i>Nature Communications</i> , 2020 , 11, 843	17.4	61
417	New Insights on the Formation Process and Thermodynamics of the β -Phase PdH(D) _x through Direct Enthalpy Measurement of H(D) Dissolution. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 8663-8668	3.8	2
416	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> , 2020 , 22, 14465-14470	3.6	4
415	Remarkably enhanced proton conduction of {NBu(CHCOOH)}[MnCr(ox)] by multiplication of carboxyl carrier in the cation. <i>Chemical Communications</i> , 2020 , 56, 6138-6140	5.8	5
414	Magnetic-Field Dependence of Novel Gap Behavior Related to the Quantum-Size Effect. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 095002	1.5	1
413	Reversible resistance switching by excess hydrogen doping in rutile TiO ₂ . <i>Applied Physics Express</i> , 2020 , 13, 105502	2.4	1
412	Uniaxial Strain Induced Superconductivity in Quantum Spin Liquid β -(ET) ₂ Ag ₂ (CN) ₃ . <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 054709	1.5	2
411	Chemoselective hydrogenation of heteroarenes and arenes by Pd-Ru-PVP under mild conditions.. <i>RSC Advances</i> , 2020 , 10, 44191-44195	3.7	6
410	A Mixed-Valent Metal-Organic Ladder Linked by Pyrazine. <i>Journal of Physics Condensed Matter</i> , 2020 ,	1.8	1

409	A Phosphate-Based Silver-Bipyridine 1D Coordination Polymer with Crystallized Phosphoric Acid as Superprotonic Conductor. <i>Chemistry - A European Journal</i> , 2020 , 26, 4607-4612	4.8	16
408	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> , 2020 , 59, 1169-1175	5.1	3
407	Catalytic Activity of Rh Nanoparticles with High-index Faces for Hydrogen Evolution Reaction in Alkaline Solution. <i>Chemistry Letters</i> , 2020 , 49, 207-209	1.7	2
406	Discovery of face-centred cubic Os nanoparticles. <i>Chemical Communications</i> , 2020 , 56, 372-374	5.8	11
405	Ligand-Functionalization-Controlled Activity of Metal-Organic Framework-Encapsulated Pt Nanocatalyst toward Activation of Water. <i>Nano Letters</i> , 2020 , 20, 426-432	11.5	17
404	Network-Selectivity, Magnetism, and Proton Conduction of 2-D and 3-D Metal-Organic Frameworks of the Constituents {P(CHOH)} _n /M (Mn, Fe, or Co)/[Cr(ox)]. <i>Inorganic Chemistry</i> , 2020 , 59, 623-628	5.1	10
403	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> , 2020 , 15, 61-65	4.5	4
402	Rational Synthesis for a Noble Metal Carbide. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1247-1253	18.5	7
401	New Aspects of Platinum Group Metal-Based Solid-Solution Alloy Nanoparticles: Binary to High-Entropy Alloys. <i>Chemistry - A European Journal</i> , 2020 , 26, 5105-5130	4.8	19
400	Coreduction methodology for immiscible alloys of CuRu solid-solution nanoparticles with high thermal stability and versatile exhaust purification ability. <i>Chemical Science</i> , 2020 , 11, 11413-11418	9.4	2
399	Significant Enhancement of Hydrogen Evolution Reaction Activity by Negatively Charged Pt through Light Doping of W. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17250-17254	16.4	42
398	Characterization of Proton Dynamics for the Understanding of Conduction Mechanism in Proton Conductive Metal-Organic Frameworks. <i>Chemical Record</i> , 2020 , 20, 1297-1313	6.6	20
397	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> , 2020 , 11, 6000-6006	6.4	6
396	Effect of reduction on the molecular structure and optical and magnetic properties of fluorinated copper(II) phthalocyanines. <i>Dalton Transactions</i> , 2020 , 49, 16821-16829	4.3	6
395	On the electronic structure and hydrogen evolution reaction activity of platinum group metal-based high-entropy-alloy nanoparticles. <i>Chemical Science</i> , 2020 , 11, 12731-12736	9.4	40
394	One-dimensional electronic systems: metal-chain complexes and organic conductors. <i>Chemical Communications</i> , 2020 , 56, 10100-10112	5.8	2
393	Platinum-Group-Metal High-Entropy-Alloy Nanoparticles. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13833-13838	16.4	75
392	New Series of Pentanary Oxides, AM ₂ C ₆ Te ₃ O ₁₈ (A = Pb, Sr; M = Mn, Cd; C = Ni, Co): Synthesis, Structure, and Magnetic and Optical Properties. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25071-25077	3.8	1

391	Crystalline to amorphous transformation in solid-solution alloy nanoparticles induced by boron doping. <i>Chemical Communications</i> , 2020 , 56, 12941-12944	5.8	5
390	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> , 2020 , 26, 17470-17480	4.8	1
389	Statistical Evaluation of the Solid-Solution State in Ternary Nanoalloys. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21843-21852	3.8	1
388	A 2D Mg(II)-MOF with High Density of Coordinated Waters as Sole Intrinsic Proton Sources for Ultrahigh Superprotonic Conduction 2020 , 2, 1343-1350		11
387	Observation of the Formation Processes of Hexagonal Close-packed and Face-centered Cubic Ru Nanoparticles. <i>Chemistry Letters</i> , 2019 , 48, 1062-1064	1.7	8
386	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> , 2019 , 58, 12943-12953	5.1	15
385	Correlation between the electronic/local structure and CO-oxidation activity of Pd _x Ru _{1-x} alloy nanoparticles. <i>Nanoscale Advances</i> , 2019 , 1, 546-553	5.1	7
384	Emergence of high ORR activity through controlling local density-of-states by alloying immiscible Au and Ir. <i>Chemical Science</i> , 2019 , 10, 652-656	9.4	29
383	Salts of Anionic Metal Carbonyl Clusters with Cryptand[2.2.2](Na ⁺), DB-18-crown-6(Na ⁺), and Paramagnetic Cp* ₂ Cr ⁺ Cations Obtained by Reduction. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 472-483	1.3	6
382	Proton transfer in hydrogen-bonded degenerate systems of water and ammonia in metal-organic frameworks. <i>Chemical Science</i> , 2019 , 10, 16-33	9.4	147
381	Salt of Ring-Reduced Iron(II) Octaethyltetrapyrzazinoporphyrazine Containing Trimetallic Dianions with Peripherally Coordinated ZnCl ₂ Units: {Fe ^{II} (TPyzPzEt ₈) ₄ [ZnCl ₂] ₂ } ²⁻ <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2918-2923	2.3	7
380	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10909-10913	16.4	41
379	Superionic Conduction over a Wide Temperature Range in a Metal-Organic Framework Impregnated with Ionic Liquids. <i>Angewandte Chemie</i> , 2019 , 131, 11025-11029	3.6	4
378	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. <i>Chemical Science</i> , 2019 , 10, 5133-5137	9.4	23
377	The effect of amorphization on the molecular motion of the 2-methylimidazolate linkers in ZIF-8. <i>Chemical Communications</i> , 2019 , 55, 5906-5909	5.8	9
376	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> , 2019 , 58, 5058-5068	5.1	14
375	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> , 2019 , 14, 1958-1964	4.5	4
374	Hydrogen in Palladium and Storage Properties of Related Nanomaterials: Size, Shape, Alloying, and Metal-Organic Framework Coating Effects. <i>ChemPhysChem</i> , 2019 , 20, 1158-1176	3.2	44

373	Structural and Thermodynamic Studies of Hydrogen Absorption/Desorption Processes on PdPt Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 9471-9478	3.8	2
372	MOP MOF: Collaborative Combination of Metal-Organic Polyhedra and Metal-Organic Framework for Proton Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12639-12646	9.5	29
371	Conductive metal-organic framework nanowire arrays for electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10431-10438	13	72
370	Optical and magnetic properties of trans-indigo radical anions. Magnetic coupling between trans-indigo ($S = 1/2$) mediated by intermolecular hydrogen N-H \cdots O bonds. <i>New Journal of Chemistry</i> , 2019 , 43, 7350-7354	3.6	8
369	Partial Substitution of Ag(I) for Cu(I) in Quantum Spin Liquid $[ET]Cu(CN)_2$, Where ET Is Bis(ethylenedithio)tetrathiafulvalene. <i>Inorganic Chemistry</i> , 2019 , 58, 4820-4827	5.1	6
368	Functionality in metal-organic framework minerals: proton conductivity, stability and potential for polymorphism. <i>Chemical Science</i> , 2019 , 10, 4923-4929	9.4	24
367	Effects of interfacial structure of PdPt nanoparticles on hydrogen solubility. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 1263-1269	5.7	8
366	Rational Design of Proton-Electron-Transfer System Based on Nickel Dithiolene Complexes with Pyrazine Skeletons. <i>Inorganic Chemistry</i> , 2019 , 58, 3875-3880	5.1	9
365	Charge transfer dependence on CO hydrogenation activity to methanol in Cu nanoparticles covered with metal-organic framework systems. <i>Chemical Science</i> , 2019 , 10, 3289-3294	9.4	43
364	High-pressure Effect on a Proton-conducting Metal-Organic Framework, $LaCr(C_2O_4)_3 \cdot 10H_2O$. <i>Chemistry Letters</i> , 2019 , 48, 746-748	1.7	2
363	The relationship between crystalline disorder and electronic structure of Pd nanoparticles and their hydrogen storage properties.. <i>RSC Advances</i> , 2019 , 9, 21311-21317	3.7	7
362	Role of d -Elements in a Proton-Electron Coupling of d -Hybridized Electron Systems. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11686-11693	16.4	15
361	The First Study on the Reactivity of Water Vapor in Metal-Organic Frameworks with Platinum Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11731-11736	16.4	14
360	The First Study on the Reactivity of Water Vapor in Metal-Organic Frameworks with Platinum Nanocrystals. <i>Angewandte Chemie</i> , 2019 , 131, 11857-11862	3.6	3
359	Conducting Coronene Cation Radical Salt Containing Magnetic Metal Ions. <i>Inorganic Chemistry</i> , 2019 , 58, 14068-14074	5.1	3
358	Missing-linker metal-organic frameworks for oxygen evolution reaction. <i>Nature Communications</i> , 2019 , 10, 5048	17.4	220
357	A Novel Platinum(III)-Platinum(III) Neutral Dimer Complex, $Pt_2(cdtb)_4I_2$ ($cdtb$: 4-Cyanodithiobenzoate). <i>Chemistry Letters</i> , 2019 , 48, 1035-1037	1.7	3
356	Investigation of selective chemisorption of fcc and hcp Ru nanoparticles using X-ray photoelectron spectroscopy analysis. <i>Journal of Catalysis</i> , 2019 , 380, 247-253	7.3	4

355	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> , 2019 , 58,	16.4	1
354	Molecular structures, and optical and magnetic properties of free-base tetrapyrazinoporphyrazine in various reduction states. <i>New Journal of Chemistry</i> , 2019 , 43, 19214-19222	3.6	8
353	Bis(ethylenedithio)tetrathiafulvalene Cation Radical Salts Composed of Nonuniform Silver(I) Complex Polyanions. <i>Inorganic Chemistry</i> , 2019 , 58, 16703-16711	5.1	2
352	Synchrotron-radiation-based Mössbauer absorption spectroscopy with high resonant energy nuclides. <i>Hyperfine Interactions</i> , 2019 , 240, 1	0.8	2
351	Ultrafast fabrication of thermally stable protein-coated silver iodide nanoparticles for solid-state superionic conductors. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 176, 47-54	6	4
350	Ultrathin MOF nanosheet assembled highly oriented microporous membrane as an interlayer for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2019 , 21, 14-21	19.4	101
349	Coating of 2D Flexible Metal-Organic Frameworks on Metal Nanocrystals. <i>Chemistry Letters</i> , 2019 , 48, 173-176	1.7	3
348	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. <i>Angewandte Chemie</i> , 2019 , 131, 2252-2257	3.6	4
347	A CO Adsorption Site Change Induced by Copper Substitution in a Ruthenium Catalyst for Enhanced CO Oxidation Activity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2230-2235	16.4	17
346	Ionic Conduction in Metal-Organic Frameworks with Incorporated Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 70-81	8.3	67
345	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> , 2018 , 47, 4661-4671	4.3	6
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