

Christoph Janiak

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.

617
papers

33,089
citations

82
h-index

159
g-index

661
ext. papers

36,224
ext. citations

4.8
avg. IF

7.98
L-index

#	Paper	IF	Citations
617	MOF@chitosan Composites with Potential Antifouling Properties for Open-Environment Applications of Metal-Organic Frameworks. <i>Solids</i> , 2022 , 3, 35-54	0	1
616	Metal-Organic Framework MIL-68(In)-NH ₂ on the Membrane Test Bench for Dye Removal and Carbon Capture. <i>Chemie-Ingenieur-Technik</i> , 2022 , 94, 135-144	0.8	0
615	Synthesis of tin nanoparticles on Ketjen Black in ionic liquid and water for the hydrogen evolution reaction. <i>Electrochemistry Communications</i> , 2022 , 136, 107243	5.1	1
614	Structural and Energetic Aspects of Entacapone-Theophylline-Water Cocrystal. <i>Solids</i> , 2022 , 3, 66-92	0	0
613	Confined Pd clusters with dynamic structure for highly efficient Cascade-type catalysis. <i>Chemical Engineering Journal</i> , 2022 , 429, 132128	14.7	1
612	Synthesis and Characterization of a Crystalline Imine-Based Covalent Organic Framework with Triazine Node and Biphenyl Linker and Its Fluorinated Derivate for CO/CH ₄ Separation.. <i>Materials</i> , 2022 , 15,	3.5	2
611	CD133-Functionalized Gold Nanoparticles as a Carrier Platform for Telaglenastat (CB-839) against Tumor Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5479	6.3	4
610	Revisiting salicylidene-based anion receptors.. <i>RSC Advances</i> , 2021 , 11, 36850-36858	3.7	
609	Biphenyl-Based Covalent Triazine Framework/Matrimid Mixed-Matrix Membranes for CO/CH ₄ Separation. <i>Membranes</i> , 2021 , 11,	3.8	3
608	Tetrahydrothiophene-Based Ionic Liquids: Synthesis and Thermodynamic Characterizations. <i>ChemistryOpen</i> , 2021 , 10, 153-163	2.3	3
607	A mixed-valence copper(I/II) coordination polymer directed with a bifunctional soft-hard pyrazolate-carboxylate ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 803-808	1.3	2
606	Covalent triazine framework CTF-fluorene as porous filler material in mixed matrix membranes for CO ₂ /CH ₄ separation. <i>Microporous and Mesoporous Materials</i> , 2021 , 316, 110941	5.3	8
605	Fusaristatins D _B and (7S,8R)-[7]-chlamydospordiol from <i>Fusarium</i> sp. BZCB-CA, an endophyte of <i>Bothriospermum chinense</i> . <i>Tetrahedron</i> , 2021 , 85, 132065	2.4	2
604	Nickel nanoparticle-decorated reduced graphene oxide/WO ₃ nanocomposite - a promising candidate for gas sensing. <i>Beilstein Journal of Nanotechnology</i> , 2021 , 12, 343-353	3	7
603	A Series of new Urea-MOFs Obtained via Post-synthetic Modification of NH ₂ -MIL-101(Cr): SO ₂ , CO ₂ and H ₂ O Sorption. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1124-1130	1.3	5
602	eLabFTW as an Open Science tool to improve the quality and translation of preclinical research. <i>F1000Research</i> , 2021 , 10, 292	3.6	1
601	Pseudotetrahedral high-spin manganese(II)-complexes with (S or R)-N-1-(Ar)ethyl-salicylaldimine: Chiroptical property, Chirality induction at-metal, Paramagnetism, Redox-potential, PXRD structures and DFT/TDDFT. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130455	3.4	1

600	Fluorescent Indolo[3,2-a]phenazines against <i>Toxoplasma gondii</i> : Concise Synthesis by Gold-Catalyzed Cycloisomerization with 1,2-Silyl Migration and ipso-Iodination Suzuki Sequence. <i>Chemistry - A European Journal</i> , 2021 , 27, 9774-9781	4.8	2
599	Selected gas response measurements using reduced graphene oxide decorated with nickel nanoparticles. <i>Nano Materials Science</i> , 2021 , 3, 412-412	10.2	1
598	Ultimate Corrosion to Pt-Cu Electrocatalysts for Enhancing Methanol Oxidation Activity and Stability in Acidic Media. <i>Chemistry - A European Journal</i> , 2021 , 27, 9124-9128	4.8	3
597	Near-Linear Controllable Synthesis of Mesoporosity in Hierarchical UiO-66 by Template-Free Nucleation-Competition. <i>Advanced Functional Materials</i> , 2021 , 31, 2102868	15.6	5
596	Covalent Triazine Frameworks Based on the First -Octahedral Hexanitrile Monomer via Nitrile Trimerization: Synthesis, Porosity, and CO Gas Sorption Properties. <i>Materials</i> , 2021 , 14,	3.5	3
595	Cucurbituril-verkapselnde metallorganische Gerüstverbindung für Mechanochemie: Adsorbentien mit verbesserter Leistung. <i>Angewandte Chemie</i> , 2021 , 133, 15493-15498	3.6	0
594	Cucurbituril-Encapsulating Metal-Organic Framework via Mechanochemistry: Adsorbents with Enhanced Performance. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15365-15370	16.4	4
593	Zirconium and Aluminum MOFs for Low-Pressure SO Adsorption and Potential Separation: Elucidating the Effect of Small Pores and NH Groups. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 29137-29149	9.5	16
592	Conjugated Pt(II) Complexes as Luminescence-Switch-On Reporters Addressing the Microenvironment of Bacterial Biofilms. <i>Inorganic Chemistry</i> , 2021 , 60, 11058-11069	5.1	1
591	Einlagerung und Abtrennung von SO ₂ -Spuren in Metall-organischen Gerüstverbindungen durch präsynthetische Anpassung der Porenumgebung mit Methylgruppen. <i>Angewandte Chemie</i> , 2021 , 133, 18145-18153	3.6	4
590	Template-free synthesis to micro-meso-macroporous hierarchy in nanostructured MIL-101(Cr) with enhanced catalytic activity. <i>Science China Materials</i> , 2021 , 64, 252-258	7.1	6
589	sp ³ -like defect structure of hetero graphene-carbon nanotubes for promoting carrier transfer and stability. <i>Journal of Energy Chemistry</i> , 2021 , 57, 189-197	12	7
588	Synthesis of Substituted Phthalimides Ultrasound-Promoted One-Pot Multicomponent Reaction. <i>Journal of Organic Chemistry</i> , 2021 , 86, 574-580	4.2	5
587	Isocyanide-based consecutive Bargellini/Ugi reactions: an efficient method for the synthesis of pseudo-peptides containing three amide bonds. <i>Amino Acids</i> , 2021 , 53, 1-10	3.5	7
586	Mixed-Matrix Membranes 2021 , 87-113		0
585	Cucurbit[6]uril@MIL-101-Cl: loading polar porous cages in mesoporous stable host for enhanced SO adsorption at low pressures. <i>Nanoscale</i> , 2021 , 13, 15952-15962	7.7	3
584	Modulated synthesis of thiol-functionalized fcu and hcp UiO-66(Zr) for the removal of silver(I) ions from water. <i>Materials Advances</i> , 2021 , 2, 804-812	3.3	7
583	Organoplatinum(II) Complexes Self-Assemble and Recognize AT-Rich Duplex DNA Sequences. <i>Inorganic Chemistry</i> , 2021 , 60, 2178-2187	5.1	6

582	Dual ionic liquid-based crosslinked chitosan for fine-tuning of antifouling, water throughput, and denitrification performance of polysulfone membrane. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 572-582	7.9	2
581	Augmented Therapeutic Potential of Glutaminase Inhibitor CB839 in Glioblastoma Stem Cells Using Gold Nanoparticle Delivery. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
580	Comparative Evaluation of Different MOF and Non-MOF Porous Materials for SO ₂ Adsorption and Separation Showing the Importance of Small Pore Diameters for Low-Pressure Uptake. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2000285	5.9	12
579	A Highly-Efficient Oxygen Evolution Electrocatalyst Derived from a Metal-Organic Framework and Ketjenblack Carbon Material. <i>ChemPlusChem</i> , 2021 , 86, 1106-1115	2.8	1
578	Capture and Separation of SO Traces in Metal-Organic Frameworks via Pre-Synthetic Pore Environment Tailoring by Methyl Groups. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17998-18005	16.4	25
577	eLabFTW as an Open Science tool to improve the quality and translation of preclinical research. <i>F1000Research</i> , 2021 , 10, 292	3.6	1
576	Titanium Vacancies in TiO Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021 , 27, 14202-14208	4.8	3
575	Synthesis and Characterization of Bis[(or)-1-(X-CH)ethyl-2-oxo-1-naphthaldiminato- λ^5 -N]cobalt(II) (X = H, -CHO, -Br) with Symmetry- and Distance-Dependent Vibrational Circular Dichroism Enhancement and Sign Inversion. <i>Inorganic Chemistry</i> , 2021 , 60, 14116-14131	5.1	2
574	A metal-organic framework-based amperometric sensor for the sensitive determination of sulfite ions in the presence of ascorbic acid. <i>Microchemical Journal</i> , 2021 , 169, 106569	4.8	1
573	A 2-(benzothiazol-2-yl)-phenolato platinum(II) complex as potential photosensitizer for combating bacterial infections in lung cancer chemotherapy <i>European Journal of Medicinal Chemistry</i> , 2021 , 222, 113600	6.8	5
572	Improving porosity and water uptake of aluminum metal-organic frameworks (Al-MOFs) as graphite oxide (GO) composites. <i>Microporous and Mesoporous Materials</i> , 2021 , 326, 111352	5.3	0
571	Ligand-controlled and nanoconfinement-boosted luminescence employing Pt(II) and Pd(II) complexes: from color-tunable aggregation-enhanced dual emitters towards self-referenced oxygen reporters. <i>Chemical Science</i> , 2021 , 12, 3270-3281	9.4	7
570	Schiff base ligands derived from 1,2-bis(2?-nitro-/amino-phenoxy)-3-R-benzene and 2-hydroxy-1-naphthaldehyde and their Cu/Zn(II) complexes: synthesis, characterization, X-ray structures and computational studies. <i>CrystEngComm</i> , 2021 , 23, 6322-6339	3.3	0
569	Pseudotetrahedral copper(II)-complexes with enantiopure (or)-2-(((aryl)ethylimino)ethyl)phenolate Schiff base ligands. <i>Dalton Transactions</i> , 2021 , 50, 9236-9249	4.3	1
568	PtPd hollow nanocubes with enhanced alloy effect and active facets for efficient methanol oxidation reaction. <i>Chemical Communications</i> , 2021 , 57, 986-989	5.8	14
567	SURMOF Devices Based on Heteroepitaxial Architectures with White-Light Emission and Luminescent Thermal-Dependent Performance. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000929	4.6	9
566	The curious case of salicylidene-based fluoride sensors: chemosensors or chemodosimeters or none of them.. <i>RSC Advances</i> , 2020 , 10, 14689-14693	3.7	3
565	Probing the limits of linker substitution in aluminum MOFs through water vapor sorption studies: mixed-MOFs instead of mixed-linker CAU-23 and MIL-160 materials. <i>Dalton Transactions</i> , 2020 , 49, 7373-7383	4.3	4

564	Encapsulation of Phosphorescent Pt(II) Complexes in Zn-Based Metal-Organic Frameworks toward Oxygen-Sensing Porous Materials. <i>Inorganic Chemistry</i> , 2020 , 59, 7252-7264	5.1	12
563	Robot technology identifies a Parkinsonian therapeutics repurpose to target stem cells of glioblastoma. <i>CNS Oncology</i> , 2020 , 9, CNS58	4	9
562	Solid-state to solution helicity inversion of pseudotetrahedral chiral copper(ii) complexes with 2,4-dihalo-salicylaldehyde ligands. <i>Dalton Transactions</i> , 2020 , 49, 8247-8264	4.3	6
561	Nickel nanoparticles supported on a covalent triazine framework as electrocatalyst for oxygen evolution reaction and oxygen reduction reactions. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 770-781	5	5
560	2D -> 3D corrugated structure self-assembled from 4,4'-methylenebis(N-(pyridin-2-ylmethylene)aniline and terephthalic acid: Crystal structure and selective anion separations via anion exchange. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5768	3.1	5
559	Tunable LiCl@UiO-66 composites for water sorption-based heat transformation applications. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13364-13375	13	15
558	Solid-State Landscape of 4,4'-Azobis(3,5-dimethyl-1H-pyrazole) with the Isolation of Conformer-Dependent Polymorphs. <i>Crystal Growth and Design</i> , 2020 , 20, 2721-2733	3.5	1
557	Flexible bifunctional monoethylphosphonate/carboxylates of Zn(II) and Co(II) reinforced with DABCO co-ligand: paradigmatic structural organization with pcu topology. <i>CrystEngComm</i> , 2020 , 22, 2933-2944	3.3	0
556	Coordinatively unsaturated metal sites (open metal sites) in metal-organic frameworks: design and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 2751-2798	58.5	204
555	Synthesis of plasmonic Fe/Al nanoparticles in ionic liquids.. <i>RSC Advances</i> , 2020 , 10, 12891-12899	3.7	9
554	Pd/Lewis Acid Synergy in Macroporous Pd@Na-ZSM-5 for Enhancing Selective Conversion of Biomass. <i>ChemCatChem</i> , 2020 , 12, 5364-5368	5.2	4
553	New Microporous Lanthanide Organic Frameworks. Synthesis, Structure, Luminescence, Sorption, and Catalytic Acylation of 2-Naphthol. <i>Molecules</i> , 2020 , 25,	4.8	4
552	Ferrocenylmethylation of estrone and estradiol: Structure, electrochemistry, and antiproliferative activity of new ferrocene-steroid conjugates. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5889	3.1	2
551	A practical guide to calculate the isosteric heat/enthalpy of adsorption via adsorption isotherms in metal-organic frameworks, MOFs. <i>Dalton Transactions</i> , 2020 , 49, 10295-10307	4.3	64
550	Supramolecular Ammine-Copper rac-BINOLAT Salts through in-situ R- or S-BINOL Racemization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 734-739	1.3	
549	Interfacial co-existence of oxygen and titanium vacancies in nanostructured TiO for enhancement of carrier transport. <i>Nanoscale</i> , 2020 , 12, 8364-8370	7.7	18
548	Heat capacities of ionic liquids based on tetrahydrothiophenium cation and NTF2 anion. <i>Thermochimica Acta</i> , 2020 , 686, 178547	2.9	5
547	Inhibitory activity of biofunctionalized silver-capped N-methylated water-soluble chitosan thiomers for microbial and biofilm infections. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 709-719	7.7	31

546	Synthesis and structure of zinc(II) and cobalt(II) coordination polymers involving the elongated 2,3,5,6-tetramethylterphenyl-4,4'-dicarboxylate ligand. <i>Inorganica Chimica Acta</i> , 2020 , 506, 119500	2.7	5
545	High performance MIL-101(Cr)@6FDA-mPD and MOF-199@6FDA-mPD mixed-matrix membranes for CO/CH separation. <i>Dalton Transactions</i> , 2020 , 49, 1822-1829	4.3	11
544	Spatial Heterojunction in Nanostructured TiO and Its Cascade Effect for Efficient Photocatalysis. <i>Nano Letters</i> , 2020 , 20, 3122-3129	11.5	38
543	Photocatalytic asymmetric epoxidation of trans-stilbene with manganese porphyrin/graphene-oxide nanocomposite and molecular oxygen: axial ligand effect. <i>Catalysis Science and Technology</i> , 2020 , 10, 3290-3302	5.5	4
542	Azaphilones from the Red Sea Fungus. <i>Marine Drugs</i> , 2020 , 18,	6	12
541	The fully deprotonated anion of 1,3,5-benzene-triphosphonic acid: ^1H , ^{31}P , and $^{13}\text{C}\{^1\text{H}\}$ NMR and some comments on corresponding $[\text{AX}]_3$ and AXX_2 spin systems and spectra. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020 , 195, 830-835	1	
540	Measures to increase value of preclinical research - an inexpensive and easy-to-implement approach to a QMS for an academic research lab. <i>F1000Research</i> , 2020 , 9, 660	3.6	9
539	Biosynthesis of Silver Nanoparticles from <i>Microsorium Punctatum</i> (L.) Copel Fronds Extract and an In-vitro Anti-Inflammation Study 2020 , 02,		3
538	Photoinduced Terminal Fluorine and Ti^{3+} in $\text{TiOF}_2/\text{TiO}_2$ Heterostructure for Enhanced Charge Transfer. <i>CCS Chemistry</i> , 2020 , 2, 1573-1581	7.2	4
537	Rapalink-1 Targets Glioblastoma Stem Cells and Acts Synergistically with Tumor Treating Fields to Reduce Resistance against Temozolomide. <i>Cancers</i> , 2020 , 12,	6.6	7
536	Biogenic Synthesis of Silver Nanoparticles Using Guava (<i>Psidium guajava</i>) Leaf Extract and Its Larvicidal Action against <i>Anopheles gambiae</i>. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2020 , 11, 49-66	1	2
535	Measures to increase value of preclinical research - an inexpensive and easy-to-implement approach to a QMS for an academic research lab. <i>F1000Research</i> , 2020 , 9, 660	3.6	8
534	Studying the hydrogen atom position in the strong-short intermolecular hydrogen bond of pure and 5-substituted 9-hydroxyphenalenones by invariom refinement and ONIOM cluster computations. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020 , 235, 225-235	1	0
533	A chemically stable cucurbit[6]uril-based hydrogen-bonded organic framework for potential SO_2/CO_2 separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 19799-19804	13	10
532	Syntheses, spectroscopy, tautomerism, induced chirality and molecular structure of 3-(o/p-tolylimino)indolin-2-one and bis[3-(o/p-tolylimino)indole-2-olato- $\lambda^5\text{N},\text{O}$]- $\text{Zn}(\text{II})$. <i>Inorganica Chimica Acta</i> , 2020 , 501, 119245	2.7	3
531	An Erlotinib gold(I) conjugate for combating triple-negative breast cancer. <i>Journal of Inorganic Biochemistry</i> , 2020 , 203, 110910	4.2	13
530	Encapsulation of a Porous Organic Cage into the Pores of a Metal-Organic Framework for Enhanced CO Separation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6068-6073	16.4	25
529	Encapsulation of a Porous Organic Cage into the Pores of a Metal-Organic Framework for Enhanced CO_2 Separation. <i>Angewandte Chemie</i> , 2020 , 132, 6124-6129	3.6	10

528	Shaping of MOFs via freeze-casting method with hydrophilic polymers and their effect on textural properties. <i>Microporous and Mesoporous Materials</i> , 2020 , 295, 109907	5.3	14
527	Influence of synthesis methods on the internalization of fluorescent gold nanoparticles into glioblastoma stem-like cells. <i>Journal of Inorganic Biochemistry</i> , 2020 , 203, 110952	4.2	12
526	Amino-functionalized MIL-101(Cr) photodegradation enhancement by sulfur-enriched copper sulfide nanoparticles: An experimental and DFT study. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114341	6	15
525	Ionic liquid polymer materials with tunable nanopores controlled by surfactant aggregates: a novel approach for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15034-15041	13	9
524	Current biomarker-associated procedures of cancer modeling-a reference in the context of IDH1 mutant glioma. <i>Cell Death and Disease</i> , 2020 , 11, 998	9.8	10
523	Introducing Bluish-Green Light-Emitting Diodes (OLEDs) and Tuning Their Color Intensity by Uranium Complexes: Synthesis, Characterization, and Photoluminescence Studies of 8-Hydroxyquinoline Complexes of Uranium. <i>Inorganic Chemistry</i> , 2020 , 59, 17028-17037	5.1	1
522	Synthesis and Single Crystal Structure Characterization of Dinuclear and Polymeric Mixed-ligand Coordination Compounds of Zinc(II) and Cadmium(II) with the Bridging Ligand 1,2-Bis(pyridin-4-ylmethylene)hydrazine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1861-1868	1.3	0
521	Enzymatic Activity of CD73 Modulates Invasion of Gliomas via Epithelial-Mesenchymal Transition-Like Reprogramming. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	8
520	Selective encapsulation and extraction of hydrogenphosphate by a hydrogen bond donor tripodal receptor. <i>CrystEngComm</i> , 2020 , 22, 6152-6160	3.3	2
519	Design and Synthesis of Coumarin-Based Pyrazolopyridines as Biocompatible Fluorescence Dyes for Live-Cell Imaging. <i>ChemistrySelect</i> , 2020 , 5, 9362-9369	1.8	4
518	Symmetric geminal bisphosphinic acids RR'C[P(CH ₃)(O)OH] ₂ - NMR and analytical studies. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020 , 195, 1013-1026	1	
517	Metal-Organic Frameworks as Sorption Materials for Heat Transformation Processes. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 4502-4515	2.3	8
516	Anti-inflammatory, antiallergic and COVID-19 protease inhibitory activities of phytochemicals from the Jordanian hawksbeard: identification, structure-activity relationships, molecular modeling and impact on its folk medicinal uses.. <i>RSC Advances</i> , 2020 , 10, 38128-38141	3.7	13
515	Rich surface hydroxyl design for nanostructured TiO ₂ and its hole-trapping effect. <i>Chemical Engineering Journal</i> , 2020 , 400, 125909	14.7	19
514	Increase of network hydrophilicity from sql to lvt supramolecular isomers of Cu-MOFs with the bifunctional 4-(3,5-dimethyl-1-pyrazol-4-yl)benzoate linker. <i>Dalton Transactions</i> , 2020 , 49, 12854-12864	4.3	4
513	Odd-even effect for efficient bioreactions of chiral alcohols and boosted stability of the enzyme.. <i>RSC Advances</i> , 2020 , 10, 28351-28354	3.7	7
512	Design and properties of multiple-emitter luminescent metal-organic frameworks. <i>Chemical Communications</i> , 2020 , 56, 12290-12306	5.8	28
511	Different Calculation Strategies Are Congruent in Determining Chemotherapy Resistance of Brain Tumors In Vitro. <i>Cells</i> , 2020 , 9,	7.9	2

510	Chirally-Modified Graphite Oxide as Chirality Inducing Support for Asymmetric Epoxidation of Olefins with Grafted Manganese Porphyrin. <i>Catalysis Letters</i> , 2020 , 150, 861-873	2.8	7
509	Acylselenoureato bis(chelates) of lead: synthesis, structural characterization and microwave-assisted formation of PbSe nano- and microstructures. <i>New Journal of Chemistry</i> , 2020 , 44, 7719-7726	3.6	4
508	Synthesis of nickel/gallium nanoalloys using a dual-source approach in 1-alkyl-3-methylimidazole ionic liquids. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1754-1767	3	1
507	Highly dispersed PtPd on graphitic nanofibers and its heavy d-effect. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118080	21.8	20
506	New eremophilane-type sesquiterpenes and maleimide-bearing compounds from <i>Carpesium abrotanoides</i> L. <i>Phytotherapy Research</i> , 2019 , 138, 104294	3.2	7
505	Ligand Excess "Inverse-Defected" Zr Tetrahedral Tetracarboxylate Framework and Its Thermal Transformation. <i>Inorganic Chemistry</i> , 2019 , 58, 12786-12797	5.1	3
504	Alkali- and alkaline-earth metal-organic networks based on a tetra(4-carboxyphenyl)bimesitylene-linker. <i>Polyhedron</i> , 2019 , 173, 114128	2.7	5
503	Benzoic acid as a selector-modulator in the synthesis of MIL-88B(Cr) and nano-MIL-101(Cr). <i>Dalton Transactions</i> , 2019 , 48, 989-996	4.3	29
502	Robust synthesis routes and porosity of the Al-based metal-organic frameworks Al-fumarate, CAU-10-H and MIL-160. <i>Dalton Transactions</i> , 2019 , 48, 2967-2976	4.3	37
501	Synthesis of hydrophobic and hydrophilic TiO ₂ nanofluids for transformable surface wettability and photoactive coating. <i>Chemical Communications</i> , 2019 , 55, 9275-9278	5.8	10
500	Hydrogen Evolution Enhancement over a Cobalt-Based Schottky Interface. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27641-27647	9.5	16
499	Indole Diterpenoids from an Endophytic <i>Penicillium</i> sp. <i>Journal of Natural Products</i> , 2019 , 82, 1412-1423	4.9	19
498	Metal-Organic Gels Based on a Bisamide Tetracarboxyl Ligand for Carbon Dioxide, Sulfur Dioxide, and Selective Dye Uptake. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19654-19667	9.5	25
497	rtl-M-MOFs (M = Cu, Zn) with a T-shaped bifunctional pyrazole-isophthalate ligand showing flexibility and S-shaped Type F-IV sorption isotherms with high saturation uptakes for M = Cu. <i>Dalton Transactions</i> , 2019 , 48, 8057-8067	4.3	10
496	Solid-Solution Mixed-Linker Synthesis of Isoreticular Al-Based MOFs for an Easy Hydrophilicity Tuning in Water-Sorption Heat Transformations. <i>Chemistry of Materials</i> , 2019 , 31, 4051-4062	9.6	23
495	Metal-Organic Frameworks with Potential Application for SO ₂ Separation and Flue Gas Desulfurization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17350-17358	9.5	94
494	Sesquiterpenoids from the Endophytic Fungus <i>Rhinocladiella similis</i> . <i>Journal of Natural Products</i> , 2019 , 82, 1055-1062	4.9	22
493	Rhodium nanoparticles supported on covalent triazine-based frameworks as re-usable catalyst for benzene hydrogenation and hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11934-11943	12.26	26

492	Water Vapor Single-Gas Selectivity via Flexibility of Three Potential Materials for Autonomous Indoor Humidity Control. <i>Crystal Growth and Design</i> , 2019 , 19, 2869-2880	3.5	13
491	Confinement Effects in Zeolite-Confined Noble Metals. <i>Angewandte Chemie</i> , 2019 , 131, 12468-12482	3.6	32
490	Silver and palladium nanoparticles produced using a plant extract as reducing agent, stabilized with an ionic liquid: sizing by X-ray powder diffraction and dynamic light scattering. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1991-2000	5.5	27
489	Studies on catalytic activity of MIL-53(Al) and structure analogue DUT-5(Al) using bdc- and bpdc-ligands functionalized with l-proline in a solid-solution mixed-linker approach. <i>Molecular Catalysis</i> , 2019 , 467, 70-77	3.3	14
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3	CHAPTER 11: Metal Nanoparticle Synthesis in Ionic Liquids. <i>RSC Catalysis Series</i> , 537-577	0.3	9
2	Versatility, Cost Analysis, and Scale-up in Fluoride and Arsenic Removal Using Metal-organic Framework-based Adsorbents. <i>Separation and Purification Reviews</i> , 1-19	7.3	2
1	Confinement Effects in Individual Carbon Encapsulated Nonprecious Metal-Based Electrocatalysts. <i>Advanced Functional Materials</i> , 2110851	15.6	5