

Paul J Dyson

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.

726 papers	42,188 citations	104 h-index	171 g-index
786 ext. papers	45,577 ext. citations	6.2 avg, IF	7.8 L-index

#	Paper	IF	Citations
726	Simultaneous mass spectrometry analysis of cisplatin with oligonucleotide-peptide mixtures: implications for the mechanism of action.. <i>Journal of Biological Inorganic Chemistry</i> , 2022 , 27, 239	3.7	0
725	Elucidating the transition between CO2 physisorption and chemisorption in 1,2,4-triazolate ionic liquids at a molecular level. <i>Chemical Engineering Journal</i> , 2022 , 435, 134956	14.7	0
724	Deconvolution of Light-Induced Ion Migration Phenomena by Statistical Analysis of Cathodoluminescence in Lead Halide-Based Perovskites.. <i>Advanced Science</i> , 2022 , e2103729	13.6	0
723	A Semi-Serendipitous Journey towards the Commercialisation of a Catalytic Hydrocracking Process for Polymer Waste.. <i>ChemPlusChem</i> , 2022 , e202200012	2.8	
722	Halide exchange in the passivation of perovskite solar cells with functionalized ionic liquids. <i>Cell Reports Physical Science</i> , 2022 , 3, 100848	6.1	1
721	Single-crystalline TiO nanoparticles for stable and efficient perovskite modules.. <i>Nature Nanotechnology</i> , 2022 ,	28.7	13
720	Hydrogenation of the pivotal biorefinery platform molecule levulinic acid into renewable fuel Ethanololactone catalyzed by unprecedented highly active and stable ruthenium nanoparticles in aqueous media. <i>Renewable Energy</i> , 2022 , 192, 35-45	8.1	0
719	Assessment of metal-based dihydrofolate reductase inhibitors on a novel mesofluidic platform. <i>Sensors and Actuators B: Chemical</i> , 2022 , 366, 131978	8.5	1
718	Chlorination of arenes via the degradation of toxic chlorophenols.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2122425119	11.5	0
717	Automated approach for the evaluation of glutathione-S-transferase P1-1 inhibition by organometallic anticancer compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022 , 37, 1527-1536	5.6	1
716	Tuning structural isomers of phenylenediammonium to afford efficient and stable perovskite solar cells and modules. <i>Nature Communications</i> , 2021 , 12, 6394	17.4	23
715	Role of the (pseudo)halido ligand in ruthenium(II) -cymene amino acid complexes in speciation, protein reactivity and cytotoxicity. <i>Dalton Transactions</i> , 2021 , 50, 15760-15777	4.3	2
714	Efficient Solid-State Electrolytes Based on Aryl-Modified Imidazolium Ionic Crystals for Quantum Dot-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10739-10747	6.1	0
713	Aggregation of Halloysite Nanotubes in the Presence of Multivalent Ions and Ionic Liquids. <i>Langmuir</i> , 2021 , 37, 11869-11879	4	4
712	Lignin First: Confirming the Role of the Metal Catalyst in Reductive Fractionation. <i>Jacs Au</i> , 2021 , 1, 729-733		7
711	Automatic evaluation of cyclooxygenase 2 inhibition induced by metal-based anticancer compounds. <i>Journal of Inorganic Biochemistry</i> , 2021 , 218, 111399	4.2	2
710	Hetero-Bis-Conjugation of Bioactive Molecules to Half-Sandwich Ruthenium(II) and Iridium(III) Complexes Provides Synergic Effects in Cancer Cell Cytotoxicity. <i>Inorganic Chemistry</i> , 2021 , 60, 9529-9541	5.1	5

709	A Strategy to Conjugate Bioactive Fragments to Cytotoxic Diiron Bis(cyclopentadienyl) Complexes. <i>Organometallics</i> , 2021 , 40, 2516-2528	3.8	5
708	Utility of Core-Shell Nanomaterials in the Catalytic Transformations of Renewable Substrates. <i>Chemistry - A European Journal</i> , 2021 , 27, 12-19	4.8	0
707	Frontispiece: Utility of Core-Shell Nanomaterials in the Catalytic Transformations of Renewable Substrates. <i>Chemistry - A European Journal</i> , 2021 , 27,	4.8	1
706	Anion Exchange-Induced Crystal Engineering via Hot-Pressing Sublimation Affording Highly Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021 , 5, 2000729	7.1	1
705	The Role of Organic Promoters in the Electroreduction of Carbon Dioxide. <i>ACS Catalysis</i> , 2021 , 11, 1392-1405	14.05	15
704	Catalytic hydrocracking of synthetic polymers into grid-compatible gas streams. <i>Cell Reports Physical Science</i> , 2021 , 2, 100332	6.1	13
703	Cut from the Same Cloth: Enamine-Derived Spirobifluorenes as Hole Transporters for Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2021 , 33, 6059-6067	9.6	3
702	Engineering long-term stability into perovskite solar cells via application of a multi-functional TFSI-based ionic liquid. <i>Cell Reports Physical Science</i> , 2021 , 2, 100475	6.1	6
701	Anticancer activity of RAPTA-EA1 in triple-negative BRCA1 proficient breast cancer cells: single and combined treatment with the PARP inhibitor olaparib. <i>Heliyon</i> , 2021 , 7, e07749	3.6	1
700	Drug Repurposing to Identify a Synergistic High-Order Drug Combination to Treat Sunitinib-Resistant Renal Cell Carcinoma. <i>Cancers</i> , 2021 , 13,	6.6	2
699	Anchoring single platinum atoms onto nickel nanoparticles affords highly selective catalysts for lignin conversion. <i>Cell Reports Physical Science</i> , 2021 , 2, 100567	6.1	2
698	Arene-ruthenium(II) complexes with pyrazole-based ligands bearing a pyridine moiety: Synthesis, structure, DFT calculations, and cytotoxicity. <i>Inorganica Chimica Acta</i> , 2021 , 528, 120610	2.7	3
697	Multifunctional Pt(IV) prodrug candidates featuring the carboplatin core and deferoxamine. <i>Dalton Transactions</i> , 2021 , 50, 8167-8178	4.3	1
696	Recent advances in graphite carbon nitride-based nanocomposites: structure, antibacterial properties and synergies. <i>Nanoscale Advances</i> , 2021 , 3, 3708-3729	5.1	16
695	Facile synthesis of heterobimetallic [FeII(μ -diphosphine)RuII] and homobimetallic [FeII(μ -diphosphine)FeII] complexes and their in vitro cytotoxic activity on cisplatin-resistant cancer cells. <i>Inorganica Chimica Acta</i> , 2020 , 510, 119731	2.7	5
694	Passivation Mechanism Exploiting Surface Dipoles Affords High-Performance Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11428-11433	16.4	48
693	Ruthenium(II)-Arene and triruthenium-carbonyl cluster complexes with new water-soluble phosphites based on glucose: Synthesis, characterization and antiproliferative activity. <i>Journal of Organometallic Chemistry</i> , 2020 , 919, 121312	2.3	8
692	Depletion Effect-mediated Association of Carbon Nanotube-Polymer Composites and Their Application as Inexpensive Electrode Support Materials. <i>Nano Letters</i> , 2020 , 20, 5353-5358	11.5	2

691	CO Methanation via Amino Alcohol Relay Molecules Employing a Ruthenium Nanoparticle/Metal Organic Framework Catalyst. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16371-16375	16.4	10
690	CO ₂ Methanation via Amino Alcohol Relay Molecules Employing a Ruthenium Nanoparticle/Metal Organic Framework Catalyst. <i>Angewandte Chemie</i> , 2020 , 132, 16513	3.6	
689	Selective hydrogenation of lignin-derived compounds under mild conditions. <i>Green Chemistry</i> , 2020 , 22, 3069-3073	10	6
688	Transformation of Glucose to 5-Hydroxymethylfurfural Over Regenerated Cellulose Supported Nb ₂ O ₅ /H ₂ O in Aqueous Solution. <i>Catalysis Letters</i> , 2020 , 150, 2599-2606	2.8	6
687	Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie</i> , 2020 , 132, 7571-7577	3.6	5
686	Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7501-7507	16.4	19
685	Tethering (Arene)Ru(II) Acylpyrazolones Decorated with Long Aliphatic Chains to Polystyrene Surfaces Provides Potent Antibacterial Plastics. <i>Materials</i> , 2020 , 13,	3.5	5
684	Mono-, Di- and Tetra-iron Complexes with Selenium or Sulphur Functionalized Vinyliminium Ligands: Synthesis, Structural Characterization and Antiproliferative Activity. <i>Molecules</i> , 2020 , 25,	4.8	12
683	Principal Descriptors of Ionic Liquid Co-catalysts for the Electrochemical Reduction of CO ₂ . <i>ACS Applied Energy Materials</i> , 2020 , 3, 4690-4698	6.1	6
682	Low-dose photodynamic therapy promotes a cytotoxic immunological response in a murine model of pleural mesothelioma. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 58, 783-791	3	1
681	Masking specific effects of ionic liquid constituents at the solid-liquid interface by surface functionalization. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24764-24770	3.6	5
680	Reactivity and biological activity of N,N,S-Schiff-base rhodium pentamethylcyclopentadienyl complexes. <i>Inorganica Chimica Acta</i> , 2020 , 501, 119265	2.7	4
679	Classification of Metal-based Drugs According to Their Mechanisms of Action. <i>Chem</i> , 2020 , 6, 41-60	16.2	92
678	Conjugating Biotin to Ruthenium(II) Arene Units via Phosphine Ligand Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1061-1072	2.3	5
677	Diiron Complexes with a Bridging Functionalized Allylidene Ligand: Synthesis, Structural Aspects, and Cytotoxicity. <i>Organometallics</i> , 2020 , 39, 361-373	3.8	12
676	Methanol production from CO ₂ via an integrated, formamide-assisted approach. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 1773-1779	5.8	5
675	Anhydrous Conditions Enable the Catalyst-Free Carboxylation of Aromatic Alkynes with CO ₂ under Mild Conditions. <i>Helvetica Chimica Acta</i> , 2020 , 103, e1900258	2	2
674	Piano Stool Aminoalkylidene-Ferracyclopentenone Complexes from Bimetallic Precursors: Synthesis and Cytotoxicity Data. <i>ChemPlusChem</i> , 2020 , 85, 110-122	2.8	7

673	Recent progress in the development of organometallics for the treatment of cancer. <i>Current Opinion in Chemical Biology</i> , 2020 , 56, 28-34	9.7	31
672	A polymeric ionic liquid catalyst for the N-formylation and N-methylation of amines using CO ₂ /PhSiH ₃ . <i>Journal of CO₂ Utilization</i> , 2020 , 41, 101240	7.6	12
671	Bis-conjugation of Bioactive Molecules to Cisplatin-like Complexes through (2,2'-Bipyridine)-4,4'-Dicarboxylic Acid with Optimal Cytotoxicity Profile Provided by the Combination Ethacrynic Acid/Flurbiprofen. <i>Chemistry - A European Journal</i> , 2020 , 26, 17525-17535	4.8	5
670	Liquid Nitrogen-Mediated Thermal Shock for Instantaneous Detachment of Multi-walled Carbon Nanotube Films from Substrates and Their Application in Supercapacitors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 11581-11586	5.6	1
669	A TiO ₂ /Nb ₂ O ₅ /H ₂ O heterojunction catalyst for conversion of glucose into 5-hydroxymethylfurfural in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 7857-7864	5.5	4
668	An Efficient Approach to Fabricate Air-Stable Perovskite Solar Cells via Addition of a Self-Polymerizing Ionic Liquid. <i>Advanced Materials</i> , 2020 , 32, e2003801	24	37
667	Aom S: A new web-based application for DNA/RNA tandem mass spectrometry data interpretation. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8927	2.2	4
666	Pivotal Role of the Basic Character of Organic and Salt Catalysts in C-N Bond Forming Reactions of Amines with CO ₂ . <i>Angewandte Chemie</i> , 2020 , 132, 1014-1029	3.6	9
665	Pivotal Role of the Basic Character of Organic and Salt Catalysts in C-N Bond Forming Reactions of Amines with CO. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1002-1017	16.4	31
664	Solvent- and Catalyst-Free Carbon Dioxide Capture and Reduction to Formate with Borohydride Ionic Liquid. <i>ChemSusChem</i> , 2020 , 13, 2025-2031	8.3	14
663	Anticancer Potential of Diiron Vinyliminium Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 14801-14816	18.16	23
662	Variation in Actinobacterial Community Composition and Potential Function in Different Soil Ecosystems Belonging to the Arid Heihe River Basin of Northwest China. <i>Frontiers in Microbiology</i> , 2019 , 10, 2209	5.7	39
661	Heterobimetallic Ru(Hdppm)Fe and homobimetallic Ru(Hdppm)Ru complexes as potential anti-cancer agents. <i>Journal of Organometallic Chemistry</i> , 2019 , 901, 120934	2.3	11
660	Leather-Promoted Transformation of Glucose into 5-Hydroxymethylfurfural and Levoglucosenone. <i>ChemSusChem</i> , 2019 , 12, 1437-1442	8.3	6
659	Screening-based approach to discover effective platinum-based chemotherapies for cancers with poor prognosis. <i>PLoS ONE</i> , 2019 , 14, e0211268	3.7	16
658	En route to CO-containing renewable materials: catalytic synthesis of polycarbonates and non-isocyanate polyhydroxyurethanes derived from cyclic carbonates. <i>Chemical Communications</i> , 2019 , 55, 1360-1373	5.8	54
657	Extrapolating the Fragment-Based Approach to Inorganic Drug Discovery. <i>Trends in Chemistry</i> , 2019 , 1, 644-655	14.8	7
656	A structure-based mechanism of cisplatin resistance mediated by glutathione transferase P1-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13943-13951	11.5	47

655	Conservative management of retinoblastoma: Challenging orthodoxy without compromising the state of metastatic grace. "Alive, with good vision and no comorbidity". <i>Progress in Retinal and Eye Research</i> , 2019 , 73, 100764	20.5	61
654	Inexpensive Hole-Transporting Materials Derived from Tröger's Base Afford Efficient and Stable Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11266-11272	16.4	30
653	Towards Light-Activated Ruthenium-Arene (RAPTA-Type) Prodrug Candidates. <i>ChemBioChem</i> , 2019 , 20, 2876-2882	3.8	21
652	Delineation of the Critical Parameters of Salt Catalysts in the N-Formylation of Amines with CO. <i>Chemistry - A European Journal</i> , 2019 , 25, 11074-11079	4.8	17
651	Cellular responses of BRCA1-defective HCC1937 breast cancer cells induced by the antimetastasis ruthenium(II) arene compound RAPTA-T. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019 , 24, 612-622	5.4	10
650	Discovery of a Highly Active Catalyst for Hydrogenolysis of C–O Bonds via Systematic, Multi-metallic Catalyst Screening. <i>ChemCatChem</i> , 2019 , 11, 2743-2752	5.2	7
649	Metal-Sulfide Catalysts Derived from Lignosulfonate and their Efficient Use in Hydrogenolysis. <i>ChemSusChem</i> , 2019 , 12, 3271-3277	8.3	5
648	Oxidative cleavage of C–O–C bonds in lignin model compounds with a single-atom Co catalyst. <i>Green Chemistry</i> , 2019 , 21, 1974-1981	10	37
647	Versatile Route to trans-Platinum(II) Complexes via Manipulation of a Coordinated 3-(Pyridin-3-yl)propanoic Acid Ligand. <i>Inorganic Chemistry</i> , 2019 , 58, 7200-7208	5.1	3
646	Retarding Thermal Degradation in Hybrid Perovskites by Ionic Liquid Additives. <i>Advanced Functional Materials</i> , 2019 , 29, 1902021	15.6	56
645	Vascular-targeted low dose photodynamic therapy stabilizes tumor vessels by modulating pericyte contractility. <i>Lasers in Surgery and Medicine</i> , 2019 , 51, 550-561	3.6	10
644	Histidine Targeting Heterobimetallic Ruthenium(II)-Gold(I) Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 2501-2513	5.1	17
643	Selective, Fast-Response, and Regenerable Metal-Organic Framework for Sampling Excess Fluoride Levels in Drinking Water. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3052-3058	16.4	59
642	Novel osmium(II)η ⁶ -arene complexes containing curcumin and bisdemethoxycurcumin ligands. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 2448-2457	6.8	11
641	Frustrated Lewis pair-mediated fixation of CO within a metal-organic framework. <i>Chemical Communications</i> , 2019 , 55, 10964-10967	5.8	17
640	Sustainable, Reshapable Surfactant-Polyelectrolyte Plastics Employing Water as a Plasticizer. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31311-31316	9.5	5
639	Ruthenium - A Non-essential Element that May Become Essential in Treating Chemoresistant Cancers. <i>Chimia</i> , 2019 , 73, 332-333	1.3	1
638	Recent Considerations in the Application of RAPTA-C for Cancer Treatment and Perspectives for Its Combination with Immunotherapies. <i>Advanced Therapeutics</i> , 2019 , 2, 1900042	4.9	32

637	Application of a Tetra-TPD-Type Hole-Transporting Material Fused by a Tröger's Base Core in Perovskite Solar Cells. <i>Solar Rrl</i> , 2019 , 3, 1900224	7.1	3
636	Crosslinking Allosteric Sites on the Nucleosome. <i>Angewandte Chemie</i> , 2019 , 131, 15807-15811	3.6	1
635	Crosslinking Allosteric Sites on the Nucleosome. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15660-15664	16.4	5
634	Introduction of a Bifunctional Cation Affords Perovskite Solar Cells Stable at Temperatures Exceeding 80 °C. <i>ACS Energy Letters</i> , 2019 , 4, 2989-2994	20.1	13
633	The dilemma between acid and base catalysis in the synthesis of benzimidazole from o-phenylenediamine and carbon dioxide. <i>Chemical Communications</i> , 2019 , 55, 13089-13092	5.8	14
632	sp. nov., isolated from soil of Qinghai-Tibet Plateau. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 2729-2734	2.2	7
631	A General and Facile Approach for the Electrochemical Reduction of Carbon Dioxide Inspired by Deep Eutectic Solvents. <i>ChemSusChem</i> , 2019 , 12, 1635-1639	8.3	23
630	In Situ Formation of Frustrated Lewis Pairs in a Water-Tolerant Metal-Organic Framework for the Transformation of CO. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5371-5375	16.4	44
629	In Situ Formation of Frustrated Lewis Pairs in a Water-Tolerant Metal-Organic Framework for the Transformation of CO ₂ . <i>Angewandte Chemie</i> , 2019 , 131, 5425-5429	3.6	8
628	Anticancer Potential of Diiron Vinyliminium Complexes. <i>Chemistry - A European Journal</i> , 2019 , 25, 14739	4.8	1
627	Synthesis, characterisation and cytotoxicity studies of ruthenium arene complexes bearing trichlorogermyl ligands. <i>Inorganica Chimica Acta</i> , 2019 , 484, 513-520	2.7	10
626	Inkjet-Printed Mesoporous TiO ₂ and Perovskite Layers for High Efficiency Perovskite Solar Cells. <i>Energy Technology</i> , 2019 , 7, 317-324	3.5	45
625	Indirect CO ₂ Methanation: Hydrogenolysis of Cyclic Carbonates Catalyzed by Ru-Modified Zeolite Produces Methane and Diols. <i>Angewandte Chemie</i> , 2019 , 131, 567-570	3.6	7
624	Indirect CO Methanation: Hydrogenolysis of Cyclic Carbonates Catalyzed by Ru-Modified Zeolite Produces Methane and Diols. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 557-560	16.4	19
623	Auto-passivation of crystal defects in hybrid imidazolium/methylammonium lead iodide films by fumigation with methylamine affords high efficiency perovskite solar cells. <i>Nano Energy</i> , 2019 , 58, 105-111	17.1	48
622	Multi-layered tumor-targeting photothermal-doxorubicin releasing nanotubes eradicate tumors in vivo with negligible systemic toxicity. <i>Nanoscale</i> , 2018 , 10, 8536-8546	7.7	23
621	Development of an Efficient Dual-Action GST-Inhibiting Anticancer Platinum(IV) Prodrug. <i>ChemMedChem</i> , 2018 , 13, 1210-1217	3.7	28
620	Water soluble derivatives of platinum carbonyl Chini clusters: synthesis, molecular structures and cytotoxicity of [Pt(CO)(PTA)] and [Pt(CO)(PTA)] ₂ . <i>Dalton Transactions</i> , 2018 , 47, 4467-4477	4.3	8

619	The mechanism of tumour cell death by metal-based anticancer drugs is not only a matter of DNA interactions. <i>Coordination Chemistry Reviews</i> , 2018 , 360, 17-33	23.2	71
618	Intricacies of Cation-Anion Combinations in Imidazolium Salt-Catalyzed Cycloaddition of CO ₂ Into Epoxides. <i>ACS Catalysis</i> , 2018 , 8, 2589-2594	13.1	90
617	Applying a Trojan Horse Strategy to Ruthenium Complexes in the Pursuit of Novel Antibacterial Agents. <i>Organometallics</i> , 2018 , 37, 915-923	3.8	30
616	Characterizing the Effects of a "Switchable Water" Additive on the Aqueous Solubility of Small Molecules. <i>ChemPhysChem</i> , 2018 , 19, 2093-2100	3.2	5
615	Oxazolium Iodide Modified Perovskites for Solar Cell Fabrication. <i>ChemPlusChem</i> , 2018 , 83, 279-284	2.8	7
614	Palladium(II)-Stabilized Pyridine-2-Diazotates: Synthesis, Structural Characterization, and Cytotoxicity Studies. <i>Inorganic Chemistry</i> , 2018 , 57, 930-934	5.1	21
613	Synthesis, characterization and cytotoxicity of arene-ruthenium(ii) complexes with acylpyrazolones functionalized with aromatic groups in the acyl moiety. <i>Dalton Transactions</i> , 2018 , 47, 868-878	4.3	22
612	Influence of the Anion on the Oxidation of 5-Hydroxymethylfurfural by Using Ionic-Polymer-Supported Platinum Nanoparticle Catalysts. <i>ChemPlusChem</i> , 2018 , 83, 2	2.8	
611	Catalytic amino acid production from biomass-derived intermediates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 5093-5098	11.5	107
610	Towards a frustrated Lewis pair-ionic liquid system. <i>Inorganica Chimica Acta</i> , 2018 , 470, 270-274	2.7	3
609	Influence of the Anion on the Oxidation of 5-Hydroxymethylfurfural by Using Ionic-Polymer-Supported Platinum Nanoparticle Catalysts. <i>ChemPlusChem</i> , 2018 , 83, 19-23	2.8	18
608	Homogeneous Catalysis for Sustainable Hydrogen Storage in Formic Acid and Alcohols. <i>Chemical Reviews</i> , 2018 , 118, 372-433	68.1	534
607	Catalytic Ionic-Liquid Membranes: The Convergence of Ionic-Liquid Catalysis and Ionic-Liquid Membrane Separation Technologies. <i>ChemPlusChem</i> , 2018 , 83, 7-18	2.8	17
606	Synthesis of Methanol and Diols from CO ₂ via Cyclic Carbonates under Metal-Free, Ambient Pressure, and Solvent-Free Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12119-12123	8.3	22
605	Understanding the interactions of diruthenium anticancer agents with amino acids. <i>Journal of Biological Inorganic Chemistry</i> , 2018 , 23, 1159-1164	3.7	7
604	Single-step conversion of lignin monomers to phenol: Bridging the gap between lignin and high-value chemicals. <i>Chinese Journal of Catalysis</i> , 2018 , 39, 1445-1452	11.3	60
603	On the origin of the synergy between the Pt nanoparticles and MnO nanosheets in Wonton-like 3D nanozyme oxidase mimics. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 159-165	11.8	58
602	Chemo-manipulation of tumor blood vessels by a metal-based anticancer complex enhances antitumor therapy. <i>Scientific Reports</i> , 2018 , 8, 10263	4.9	8

601	Insertion of germanium atoms in high-nuclearity rhodium carbonyl compounds: synthesis, characterization and preliminary biological activity of the heterometallic [RhGe(CO)], [RhGe(CO)] and [RhGe(CO)] clusters. <i>Dalton Transactions</i> , 2018 , 47, 15737-15744	4.3	5
600	Efficient cleavage of aryl ether C-O linkages by Rh-Ni and Ru-Ni nanoscale catalysts operating in water. <i>Chemical Science</i> , 2018 , 9, 5530-5535	9.4	41
599	Composite Materials Based on (Cymene)Ru(II) Curcumin Additives Loaded on Porous Carbon Adsorbents from Agricultural Residues Display Efficient Antibacterial Activity. <i>ACS Applied Bio Materials</i> , 2018 , 1, 153-159	4.1	4
598	Drug Repurposing Approach Identifies a Synergistic Drug Combination of an Antifungal Agent and an Experimental Organometallic Drug for Melanoma Treatment. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1165-1176	5.6	14
597	Organotin(IV) 4-(benzo[d][1,3]dioxol-5-ylmethyl)piperazine-1-carbodithioates: Synthesis, characterization and biological activities. <i>Journal of Organometallic Chemistry</i> , 2018 , 856, 13-22	2.3	16
596	Ionic liquid containing electron-rich, porous polyphosphazene nanoreactors catalyze the transformation of CO ₂ to carbonates. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20916-20925	13	14
595	Diimine homologues of cisplatin: synthesis, speciation in DMSO/water and cytotoxicity. <i>New Journal of Chemistry</i> , 2018 , 42, 17453-17463	3.6	7
594	Fluorescent Benzothiazinone Analogues Efficiently and Selectively Label Dpre1 in Mycobacteria and Actinobacteria. <i>ACS Chemical Biology</i> , 2018 , 13, 3184-3192	4.9	7
593	Iron-Rich Natural Mineral Gibeon Meteorite Catalyzed N-formylation of Amines using CO ₂ as the C1 Source. <i>ChemistrySelect</i> , 2018 , 3, 10271-10276	1.8	11
592	Mechanistic Study of the N-Formylation of Amines with Carbon Dioxide and Hydrosilanes. <i>ACS Catalysis</i> , 2018 , 8, 10619-10630	13.1	38
591	Are π -Interactions in Ionic Liquids Related to Conductivities?. <i>Helvetica Chimica Acta</i> , 2018 , 101, e18001372		1
590	Chemoselective reduction of heteroarenes with a reduced graphene oxide supported rhodium nanoparticle catalyst. <i>Catalysis Science and Technology</i> , 2018 , 8, 5091-5097	5.5	18
589	Pyrazolium Ionic Liquid Co-catalysts for the Electroreduction of CO ₂ . <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	5
588	Diimines as Versatile, Derivatizable Ligands in Ruthenium(II) p-Cymene Anticancer Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 6669-6685	5.1	35
587	Precision excimer laser annealed Ga-doped ZnO electron transport layers for perovskite solar cells.. <i>RSC Advances</i> , 2018 , 8, 17694-17701	3.7	10
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18	Synthesis and characterisation of [Ru5C(CO)11(η ² -η ² -C6H8-1,4)2]: the first example of cyclohexa-1,4-diene in a bridging coordination mode. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 301-302		9
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16	Synthesis, molecular and crystal structures of arene derivatives of [Ru6C(CO)17]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993 , 2951		28
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