

# Paul J Dyson

## List of Publications by Year in descending order

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733  
papers

49,166  
citations

1294

109  
h-index

3312

184  
g-index

786  
all docs

786  
docs citations

786  
times ranked

33543  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | 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.   | 1.1  | 1         |
| 2  | Elucidating the transition between CO <sub>2</sub> physisorption and chemisorption in 1,2,4-triazolate ionic liquids at a molecular level. <i>Chemical Engineering Journal</i> , 2022, 435, 134956.   | 6.6  | 7         |
| 3  | Deconvolution of Light-Induced Ion Migration Phenomena by Statistical Analysis of Cathodoluminescence in Lead Halide-Based Perovskites. <i>Advanced Science</i> , 2022, 9, e2103729.  | 5.6  | 13        |
| 4  | A Semi-Serendipitous Journey towards the Commercialisation of a Catalytic Hydrocracking Process for Polymer Waste. <i>ChemPlusChem</i> , 2022, 87, e202200012.  | 1.3  | 0         |
| 5  | The Chemistry of the Passivation Mechanism of Perovskite Films with Ionic Liquids. <i>Inorganic Chemistry</i> , 2022, 61, 5010-5016.  | 1.9  | 12        |
| 6  | Mixed cation 2D perovskite: a novel approach for enhanced perovskite solar cell stability. <i>Sustainable Energy and Fuels</i> , 2022, 6, 2471-2477.  | 2.5  | 9         |
| 7  | Halide exchange in the passivation of perovskite solar cells with functionalized ionic liquids. <i>Cell Reports Physical Science</i> , 2022, 3, 100848.   | 2.8  | 9         |
| 8  | Single-crystalline TiO <sub>2</sub> nanoparticles for stable and efficient perovskite modules. <i>Nature Nanotechnology</i> , 2022, 17, 598-605.  | 15.6 | 121       |
| 9  | Triarylamine-Functionalized Imidazolyl-Capped Bithiophene Hole Transporting Material for Cost-Effective Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22053-22060.  | 4.0  | 8         |
| 10 | Hydrogenation of the pivotal biorefinery platform molecule levulinic acid into renewable fuel $\gamma$ -valerolactone catalyzed by unprecedented highly active and stable ruthenium nanoparticles in aqueous media. <i>Renewable Energy</i> , 2022, 192, 35-45. | 4.3  | 4         |
| 11 | Area-Scalable Zn <sub>2</sub> SnO <sub>4</sub> Electron Transport Layer for Highly Efficient and Stable Perovskite Solar Modules. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23297-23306.  | 4.0  | 4         |
| 12 | Assessment of metal-based dihydrofolate reductase inhibitors on a novel mesofluidic platform. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131978.   | 4.0  | 1         |
| 13 | 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.   | 3.3  | 2         |
| 14 | 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.   | 2.5  | 4         |
| 15 | Utility of Core-Shell Nanomaterials in the Catalytic Transformations of Renewable Substrates. <i>Chemistry - A European Journal</i> , 2021, 27, 12-19.  | 1.7  | 4         |
| 16 | Frontispiece: Utility of Core-Shell Nanomaterials in the Catalytic Transformations of Renewable Substrates. <i>Chemistry - A European Journal</i> , 2021, 27, .   | 1.7  | 1         |
| 17 | Anion Exchange-Induced Crystal Engineering via Hot-Pressing Sublimation Affording Highly Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000729.  | 3.1  | 6         |
| 18 | The Role of Organic Promoters in the Electroreduction of Carbon Dioxide. <i>ACS Catalysis</i> , 2021, 11, 1392-1405.  | 5.5  | 41        |

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|----|---|-----|-----------|
| 19 | Interfacial passivation of wide-bandgap perovskite solar cells and tandem solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21939-21947.  | 5.2 | 19        |
| 20 | Catalytic hydrocracking of synthetic polymers into grid-compatible gas streams. <i>Cell Reports Physical Science</i> , 2021, 2, 100332.   | 2.8 | 28        |
| 21 | Lignin First: Confirming the Role of the Metal Catalyst in Reductive Fractionation. <i>Jacs Au</i> , 2021, 1, 729-733.  | 3.6 | 28        |
| 22 | Automatic evaluation of cyclooxygenase 2 inhibition induced by metal-based anticancer compounds. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111399.  | 1.5 | 3         |
| 23 | 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.        | 1.9 | 16        |
| 24 | A Strategy to Conjugate Bioactive Fragments to Cytotoxic Diiron Bis(cyclopentadienyl) Complexes. <i>Organometallics</i> , 2021, 40, 2516-2528.  | 1.1 | 9         |
| 25 | Cut from the Same Cloth: Enamine-Derived Spirobifluorenes as Hole Transporters for Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2021, 33, 6059-6067.   | 3.2 | 7         |
| 26 | 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.                                      | 2.8 | 25        |
| 27 | 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.                             | 1.4 | 3         |
| 28 | Drug Repurposing to Identify a Synergistic High-Order Drug Combination to Treat Sunitinib-Resistant Renal Cell Carcinoma. <i>Cancers</i> , 2021, 13, 3978.  | 1.7 | 12        |
| 29 | Anchoring single platinum atoms onto nickel nanoparticles affords highly selective catalysts for lignin conversion. <i>Cell Reports Physical Science</i> , 2021, 2, 100567.   | 2.8 | 13        |
| 30 | 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.                      | 1.2 | 8         |
| 31 | Multifunctional Pt(IV) prodrug candidates featuring the carboplatin core and deferoxamine. <i>Dalton Transactions</i> , 2021, 50, 8167-8178.  | 1.6 | 9         |
| 32 | Recent advances in graphite carbon nitride-based nanocomposites: structure, antibacterial properties and synergies. <i>Nanoscale Advances</i> , 2021, 3, 3708-3729.   | 2.2 | 35        |
| 33 | Role of the (pseudo)halido ligand in ruthenium(II) <i>p</i> -cymene $\lambda^2$ -amino acid complexes in speciation, protein reactivity and cytotoxicity. <i>Dalton Transactions</i> , 2021, 50, 15760-15777.           | 1.6 | 5         |
| 34 | 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.                                | 2.5 | 2         |
| 35 | Aggregation of Halloysite Nanotubes in the Presence of Multivalent Ions and Ionic Liquids. <i>Langmuir</i> , 2021, 37, 11869-11879.   | 1.6 | 10        |
| 36 | Mechanistic Insights into the Role of the Bis(trifluoromethanesulfonyl)imide Ion in Coevaporated $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, , . | 4.0 | 2         |

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|----|--|------|-----------|
| 37 | Tuning structural isomers of phenylenediammonium to afford efficient and stable perovskite solar cells and modules. <i>Nature Communications</i> , 2021, 12, 6394.   | 5.8  | 98        |
| 38 | Cycloaddition of Biogas-Contained CO <sub>2</sub> into Epoxides via Ionic Polymer Catalysis: An Experimental and Process Simulation Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 17942-17948.   | 1.8  | 1         |
| 39 | Pivotal Role of the Basic Character of Organic and Salt Catalysts in C <sup>+</sup> N Bond Forming Reactions of Amines with CO <sub>2</sub> . <i>Angewandte Chemie</i> , 2020, 132, 1014-1029.   | 1.6  | 20        |
| 40 | Pivotal Role of the Basic Character of Organic and Salt Catalysts in C <sup>+</sup> N Bond Forming Reactions of Amines with CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1002-1017.  | 7.2  | 61        |
| 41 | Reactivity and biological activity of N,N,S-Schiff-base rhodium pentamethylcyclopentadienyl complexes. <i>Inorganica Chimica Acta</i> , 2020, 501, 119265.   | 1.2  | 5         |
| 42 | Classification of Metal-Based Drugs according to Their Mechanisms of Action. <i>CheM</i> , 2020, 6, 41-60.   | 5.8  | 231       |
| 43 | Conjugating Biotin to Ruthenium(II) Arene Units via Phosphine Ligand Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1061-1072.  | 1.0  | 7         |
| 44 | Diiron Complexes with a Bridging Functionalized Allylidene Ligand: Synthesis, Structural Aspects, and Cytotoxicity. <i>Organometallics</i> , 2020, 39, 361-373.  | 1.1  | 17        |
| 45 | Methanol production from CO <sub>2</sub> via an integrated, formamide-assisted approach. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1773-1779.   | 2.5  | 11        |
| 46 | Anhydrous Conditions Enable the Catalyst-Free Carboxylation of Aromatic Alkynes with CO <sub>2</sub> under Mild Conditions. <i>Helvetica Chimica Acta</i> , 2020, 103, e1900258.   | 1.0  | 3         |
| 47 | Piano Stool Aminoalkylidene $\pi$ -Ferracyclopentenone Complexes from Bimetallic Precursors: Synthesis and Cytotoxicity Data. <i>ChemPlusChem</i> , 2020, 85, 110-122.   | 1.3  | 8         |
| 48 | Recent progress in the development of organometallics for the treatment of cancer. <i>Current Opinion in Chemical Biology</i> , 2020, 56, 28-34.   | 2.8  | 67        |
| 49 | A polymeric ionic liquid catalyst for the N-formylation and N-methylation of amines using CO <sub>2</sub> /PhSiH <sub>3</sub> . <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 41, 101240.   | 3.3  | 28        |
| 50 | Bis $\pi$ -conjugation of Bioactive Molecules to Cisplatin-Like Complexes through (2,2'-bipyridine) $\pi$ -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. | 1.7  | 10        |
| 51 | 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.  | 2.4  | 1         |
| 52 | A TiO <sub>2</sub> /Nb <sub>2</sub> O <sub>5</sub> -H <sub>2</sub> O heterojunction catalyst for conversion of glucose into 5-hydroxymethylfurfural in water. <i>Catalysis Science and Technology</i> , 2020, 10, 7857-7864.   | 2.1  | 7         |
| 53 | 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.   | 11.1 | 84        |
| 54 | Atom-Scale S: A new web-based application for DNA/RNA tandem mass spectrometry data interpretation. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8927.  | 0.7  | 14        |

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|----|--|-----|-----------|
| 55 | 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. | 1.2 | 7         |
| 56 | Passivation Mechanism Exploiting Surface Dipoles Affords High-Performance Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 11428-11433.  | 6.6 | 107       |
| 57 | 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.      | 0.8 | 10        |
| 58 | 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.   | 4.5 | 3         |
| 59 | CO <sub>2</sub> Methanation via Amino Alcohol Relay Molecules Employing a Ruthenium Nanoparticle/Metal Organic Framework Catalyst. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16371-16375.   | 7.2 | 21        |
| 60 | CO <sub>2</sub> Methanation via Amino Alcohol Relay Molecules Employing a Ruthenium Nanoparticle/Metal Organic Framework Catalyst. <i>Angewandte Chemie</i> , 2020, 132, 16513.  | 1.6 | 7         |
| 61 | Selective hydrogenation of lignin-derived compounds under mild conditions. <i>Green Chemistry</i> , 2020, 22, 3069-3073.   | 4.6 | 19        |
| 62 | Transformation of Glucose to 5-Hydroxymethylfurfural Over Regenerated Cellulose Supported Nb <sub>2</sub> O <sub>5</sub> ·nH <sub>2</sub> O in Aqueous Solution. <i>Catalysis Letters</i> , 2020, 150, 2599-2606.                                    | 1.4 | 11        |
| 63 | Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie</i> , 2020, 132, 7571-7577.  | 1.6 | 6         |
| 64 | Selective Acceptorless Dehydrogenation of Primary Amines to Imines by Core-Shell Cobalt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7501-7507.   | 7.2 | 37        |
| 65 | Tethering (Arene)Ru(II) Acylpyrazolones Decorated with Long Aliphatic Chains to Polystyrene Surfaces Provides Potent Antibacterial Plastics. <i>Materials</i> , 2020, 13, 526.   | 1.3 | 7         |
| 66 | Mono-, Di- and Tetra-iron Complexes with Selenium or Sulphur Functionalized Vinyliminium Ligands: Synthesis, Structural Characterization and Antiproliferative Activity. <i>Molecules</i> , 2020, 25, 1656.  | 1.7 | 20        |
| 67 | Principal Descriptors of Ionic Liquid Co-catalysts for the Electrochemical Reduction of CO <sub>2</sub> . <i>ACS Applied Energy Materials</i> , 2020, 3, 4690-4698.  | 2.5 | 10        |
| 68 | Solvent- and Catalyst-Free Carbon Dioxide Capture and Reduction to Formate with Borohydride Ionic Liquid. <i>ChemSusChem</i> , 2020, 13, 2025-2031.  | 3.6 | 31        |
| 69 | 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.  | 1.3 | 10        |
| 70 | 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.   | 0.6 | 6         |
| 71 | Novel osmium(II)-cymene complexes containing curcumin and bisdemethoxycurcumin ligands. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2448-2457.   | 3.0 | 13        |
| 72 | Frustrated Lewis pair-mediated fixation of CO <sub>2</sub> within a metal-organic framework. <i>Chemical Communications</i> , 2019, 55, 10964-10967.   | 2.2 | 35        |

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|----|---|-----|-----------|
| 73 | Sustainable, Reshapable Surfactantâ€“Polyelectrolyte Plastics Employing Water as a Plasticizer. ACS Applied Materials & Interfaces, 2019, 11, 31311-31316.  | 4.0 | 6         |
| 74 | Ruthenium â€“ A Non-essential Element that May Become Essential in Treating Chemoresistant Cancers. Chimia, 2019, 73, 332.  | 0.3 | 3         |
| 75 | Recent Considerations in the Application of RAPTAA€C for Cancer Treatment and Perspectives for Its Combination with Immunotherapies. Advanced Therapeutics, 2019, 2, 1900042.   | 1.6 | 57        |
| 76 | Application of a Tetraâ€“TPDâ€“Type Holeâ€“Transporting Material Fused by a TrÃƒger's Base Core in Perovskite SolarÃCells. Solar Rrl, 2019, 3, 1900224.   | 3.1 | 4         |
| 77 | Crosslinking Allosteric Sites on the Nucleosome. Angewandte Chemie, 2019, 131, 15807-15811.   | 1.6 | 2         |
| 78 | Crosslinking Allosteric Sites on the Nucleosome. Angewandte Chemie - International Edition, 2019, 58, 15660-15664.  | 7.2 | 8         |
| 79 | Introduction of a Bifunctional Cation Affords Perovskite Solar Cells Stable at Temperatures Exceeding 80 Å°C. ACS Energy Letters, 2019, 4, 2989-2994.   | 8.8 | 18        |
| 80 | The dilemma between acid and base catalysis in the synthesis of benzimidazole from <i>o</i> -phenylenediamine and carbon dioxide. Chemical Communications, 2019, 55, 13089-13092.   | 2.2 | 23        |
| 81 | Anticancer Potential of Diiron Vinyliminium Complexes. Chemistry - A European Journal, 2019, 25, 14801-14816.   | 1.7 | 36        |
| 82 | Variation in Actinobacterial Community Composition and Potential Function in Different Soil Ecosystems Belonging to the Arid Heihe River Basin of Northwest China. Frontiers in Microbiology, 2019, 10, 2209.                   | 1.5 | 94        |
| 83 | Heterobimetallic Ru(1/4-dppm)Fe and homobimetallic Ru(1/4-dppm)Ru complexes as potential anti-cancer agents. Journal of Organometallic Chemistry, 2019, 901, 120934.  | 0.8 | 15        |
| 84 | Leatherâ€“Promoted Transformation of Glucose into 5â€“Hydroxymethylfurfural and Levoglucosenone. ChemSusChem, 2019, 12, 1437-1442.  | 3.6 | 8         |
| 85 | Screening-based approach to discover effective platinum-based chemotherapies for cancers with poor prognosis. PLoS ONE, 2019, 14, e0211268.   | 1.1 | 25        |
| 86 | <i>En route</i> to CO <sub>2</sub> -containing renewable materials: catalytic synthesis of polycarbonates and non-isocyanate polyhydroxyurethanes derived from cyclic carbonates. Chemical Communications, 2019, 55, 1360-1373. | 2.2 | 85        |
| 87 | Extrapolating the Fragment-Based Approach to Inorganic Drug Discovery. Trends in Chemistry, 2019, 1, 644-655.   | 4.4 | 8         |
| 88 | A structure-based mechanism of cisplatin resistance mediated by glutathione transferase P1-1. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13943-13951.                          | 3.3 | 76        |
| 89 | Conservative management of retinoblastoma: Challenging orthodoxy without compromising the state of metastatic grace. â€œAlive, with good vision and no comorbidityâ€“. Progress in Retinal and Eye Research, 2019, 73, 100764.  | 7.3 | 123       |
| 90 | Inexpensive Holeâ€“Transporting Materials Derived from TrÃƒger's Base Afford Efficient and Stable Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 11266-11272.                                     | 7.2 | 37        |

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|-----|--|-----|-----------|
| 91  | Towards Light-Activated Ruthenium-Arene (RAPTA-Type) Prodrug Candidates. <i>ChemBioChem</i> , 2019, 20, 2876-2882.   | 1.3 | 30        |
| 92  | Delineation of the Critical Parameters of Salt Catalysts in the N-Formylation of Amines with CO <sub>2</sub> . <i>Chemistry - A European Journal</i> , 2019, 25, 11074-11079.  | 1.7 | 24        |
| 93  | 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. | 2.2 | 12        |
| 94  | 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.   | 1.8 | 7         |
| 95  | Metal-Sulfide Catalysts Derived from Lignosulfonate and their Efficient Use in Hydrogenolysis. <i>ChemSusChem</i> , 2019, 12, 3271-3277.   | 3.6 | 11        |
| 96  | Oxidative cleavage of β-O-4 bonds in lignin model compounds with a single-atom Co catalyst. <i>Green Chemistry</i> , 2019, 21, 1974-1981.  | 4.6 | 65        |
| 97  | 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.   | 1.9 | 9         |
| 98  | Retarding Thermal Degradation in Hybrid Perovskites by Ionic Liquid Additives. <i>Advanced Functional Materials</i> , 2019, 29, 1902021.   | 7.8 | 76        |
| 99  | Vascular-targeted low dose photodynamic therapy stabilizes tumor vessels by modulating pericyte contractility. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 550-561.  | 1.1 | 15        |
| 100 | Histidine Targeting Heterobimetallic Ruthenium(II)-Gold(I) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 2501-2513.  | 1.9 | 25        |
| 101 | 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.                               | 6.6 | 84        |
| 102 | A General and Facile Approach for the Electrochemical Reduction of Carbon Dioxide Inspired by Deep Eutectic Solvents. <i>ChemSusChem</i> , 2019, 12, 1635-1639.  | 3.6 | 36        |
| 103 | In-Situ Formation of Frustrated Lewis Pairs in a Water-Tolerant Metal-Organic Framework for the Transformation of CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5371-5375.                    | 7.2 | 91        |
| 104 | In-Situ Formation of Frustrated Lewis Pairs in a Water-Tolerant Metal-Organic Framework for the Transformation of CO <sub>2</sub> . <i>Angewandte Chemie</i> , 2019, 131, 5425-5429.   | 1.6 | 19        |
| 105 | Anticancer Potential of Diiron Vinyliminium Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 14739-14739.  | 1.7 | 2         |
| 106 | Synthesis, characterisation and cytotoxicity studies of ruthenium arene complexes bearing trichlorogermyl ligands. <i>Inorganica Chimica Acta</i> , 2019, 484, 513-520.  | 1.2 | 13        |
| 107 | Inkjet-Printed Mesoporous TiO <sub>2</sub> and Perovskite Layers for High Efficiency Perovskite Solar Cells. <i>Energy Technology</i> , 2019, 7, 317-324.  | 1.8 | 67        |
| 108 | Indirect CO <sub>2</sub> Methanation: Hydrogenolysis of Cyclic Carbonates Catalyzed by Ru-Modified Zeolite Produces Methane and Diols. <i>Angewandte Chemie</i> , 2019, 131, 567-570.  | 1.6 | 8         |

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|-----|--|------|-----------|
| 109 | Indirect CO <sub>2</sub> Methanation: Hydrogenolysis of Cyclic Carbonates Catalyzed by Ru-Modified Zeolite Produces Methane and Diols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 557-560.   | 7.2  | 28        |
| 110 | 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.  | 8.2  | 78        |
| 111 | <i>Streptomyces dangxiongensis</i> sp. nov., isolated from soil of Qinghai-Tibet Plateau. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2729-2734.  | 0.8  | 15        |
| 112 | Multi-layered tumor-targeting photothermal-doxorubicin releasing nanotubes eradicate tumors <i>in vivo</i> with negligible systemic toxicity. <i>Nanoscale</i> , 2018, 10, 8536-8546.  | 2.8  | 26        |
| 113 | Development of an Efficient Dual-Action GST-Inhibiting Anticancer Platinum(IV) Prodrug. <i>ChemMedChem</i> , 2018, 13, 1210-1217.  | 1.6  | 40        |
| 114 | Water soluble derivatives of platinum carbonyl Chini clusters: synthesis, molecular structures and cytotoxicity of [Pt <sub>12</sub> (CO) <sub>20</sub> (PTA) <sub>4</sub> ] <sup>2+</sup> and [Pt <sub>15</sub> (CO) <sub>25</sub> (PTA) <sub>5</sub> ] <sup>2+</sup> . <i>Dalton Transactions</i> , 2018, 47, 4467-4477. | 1.6  | 11        |
| 115 | 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.   | 9.5  | 94        |
| 116 | Intricacies of Cation-Anion Combinations in Imidazolium Salt-Catalyzed Cycloaddition of CO <sub>2</sub> Into Epoxides. <i>ACS Catalysis</i> , 2018, 8, 2589-2594.  | 5.5  | 129       |
| 117 | Applying a Trojan Horse Strategy to Ruthenium Complexes in the Pursuit of Novel Antibacterial Agents. <i>Organometallics</i> , 2018, 37, 915-923.  | 1.1  | 36        |
| 118 | Characterizing the Effects of a "Switchable Water-Additive on the Aqueous Solubility of Small Molecules. <i>ChemPhysChem</i> , 2018, 19, 2093-2100.  | 1.0  | 7         |
| 119 | Oxazolium Iodide Modified Perovskites for Solar Cell Fabrication. <i>ChemPlusChem</i> , 2018, 83, 279-284.   | 1.3  | 10        |
| 120 | Palladium(II)-Stabilized Pyridine-2-Diazotates: Synthesis, Structural Characterization, and Cytotoxicity Studies. <i>Inorganic Chemistry</i> , 2018, 57, 930-934.  | 1.9  | 28        |
| 121 | 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.   | 1.6  | 25        |
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