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	Bioorganometallic chemistryâ€"from teaching paradigms to medicinal applications. Chemical Society Reviews, 2009, 38, 391-401.	18.7	916
2	Homogeneous Catalysis for Sustainable Hydrogen Storage in Formic Acid and Alcohols. Chemical Reviews, 2018, 118, 372-433.	23.0	805
3	KP1019, A New Redoxâ€Active Anticancer Agent â€“ Preclinical Development and Results of a Clinical Phase I Study in Tumor Patients. Chemistry and Biodiversity, 2008, 5, 2140-2155.	1.0	732
4	Efficient Dehydrogenation of Formic Acid Using an Iron Catalyst. Science, 2011, 333, 1733-1736.	6.0	728
5	In Vitro and in Vivo Evaluation of Ruthenium(II)â^'Arene PTA Complexes. Journal of Medicinal Chemistry, 2005, 48, 4161-4171.	2.9	723
6	Metal-based antitumour drugs in the post genomic era. Dalton Transactions, 2006, , 1929.	1.6	698
7	Classical and Nonâ€Classical Rutheniumâ€Based Anticancer Drugs: Towards Targeted Chemotherapy. European Journal of Inorganic Chemistry, 2006, 2006, 4003-4018.	1.0	556
8	Direct synthesis of formic acid from carbon dioxide by hydrogenation in acidic media. Nature Communications, 2014, 5, 4017.	5.8	549
9	A Viable Hydrogenâ€Storage System Based On Selective Formic Acid Decomposition with a Ruthenium Catalyst. Angewandte Chemie - International Edition, 2008, 47, 3966-3968.	7.2	538
10	Why Are Ionic Liquids Liquid? A Simple Explanation Based on Lattice and Solvation Energies. Journal of the American Chemical Society, 2006, 128, 13427-13434.	6.6	537
11	Challenges and Opportunities in the Development of Organometallic Anticancer Drugs. Organometallics, 2012, 31, 5677-5685.	1.1	507
12	Selective Degradation of Wood Lignin over Nobleâ€Metal Catalysts in a Twoâ€Step Process. ChemSusChem, 2008, 1, 626-629.	3.6	500
13	A Wellâ€Defined Iron Catalyst for the Reduction of Bicarbonates and Carbon Dioxide to Formates, Alkyl Formates, and Formamides. Angewandte Chemie - International Edition, 2010, 49, 9777-9780.	7.2	486
14	Targeted delivery and controlled release of doxorubicin to cancer cells using modified single wall carbon nanotubes. Biomaterials, 2009, 30, 6041-6047.	5.7	479
15	[Ru(Î·6-p-cymene)Cl2(pta)] (pta = 1,3,5-triaza-7-phosphatricyclo[3.3.1.1]decane): a water soluble compound that exhibits pH dependent DNA binding providing selectivity for diseased cells. Chemical Communications, 2001, , 1396-1397.	2.2	450
16	The â€œComplexâ€•inâ€•aâ€Complexâ€•Cations [(acac)₂MâŠ‚Ru₆(pâ€‘iPrC₆H₄Me)₆(tpt)₂(d A Trojan Horse for Cancer Cells. Angewandte Chemie - International Edition, 2008, 47, 3773-3776.	7.2	432
17	Ultrathin rhodium nanosheets. Nature Communications, 2014, 5, 3093.	5.8	428
18	The development of RAPTA compounds for the treatment of tumors. Coordination Chemistry Reviews, 2016, 306, 86-114.	9.5	375

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19	From Dysfunction to Bis-function: On the Design and Applications of Functionalised Ionic Liquids. Chemistry - A European Journal, 2006, 12, 2122-2130.	1.7	372
20	Nitrile-Functionalized Pyridinium Ionic Liquids:Â Synthesis, Characterization, and Their Application in Carbonâ˜'Carbon Coupling Reactions. Journal of the American Chemical Society, 2004, 126, 15876-15882.	6.6	368
21	Organometallic ruthenium-based antitumor compounds with novel modes of action. Journal of Organometallic Chemistry, 2011, 696, 989-998.	0.8	324
22	Development of organometallic (organo-transition metal) pharmaceuticals. Applied Organometallic Chemistry, 2005, 19, 1-10.	1.7	322
23	Towards a new combination therapy for tuberculosis with next generation benzothiazinones. EMBO Molecular Medicine, 2014, 6, 372-383.	3.3	311
24	Hydrodeoxygenation of Ligninâ€Đerived Phenols into Alkanes by Using Nanoparticle Catalysts Combined with BrÃ¸nsted Acidic Ionic Liquids. Angewandte Chemie - International Edition, 2010, 49, 5549-5553.	7.2	309
25	MnO 2 nanosheets as an artificial enzyme to mimic oxidase for rapid and sensitive detection of glutathione. Biosensors and Bioelectronics, 2017, 90, 69-74.	5.3	309
26	Single walled carbon nanotubes as drug delivery vehicles: Targeting doxorubicin to tumors. Biomaterials, 2012, 33, 1689-1698.	5.7	301
27	Rational Design of Platinum(IV) Compounds to Overcome Glutathione-S-Transferase Mediated Drug Resistance. Journal of the American Chemical Society, 2005, 127, 1382-1383.	6.6	297
28	Dielectric Response of Imidazolium-Based Room-Temperature Ionic Liquids. Journal of Physical Chemistry B, 2006, 110, 12682-12688.	1.2	294
29	One-Step Conversion of Cellobiose to C6-Alcohols Using a Ruthenium Nanocluster Catalyst. Journal of the American Chemical Society, 2006, 128, 8714-8715.	6.6	278
30	Emerging Protein Targets for Anticancer Metallodrugs: Inhibition of Thioredoxin Reductase and Cathepsin B by Antitumor Ruthenium(II)â˜'Arene Compounds. Journal of Medicinal Chemistry, 2008, 51, 6773-6781.	2.9	258
31	Metal-based drugs that break the rules. Dalton Transactions, 2016, 45, 3201-3209.	1.6	258
32	Ligand substitutions between rutheniumâ€“cymene compounds can control protein versus DNA targeting and anticancer activity. Nature Communications, 2014, 5, 3462.	5.8	257
33	BrÃ¸nsted Acidic Ionic Liquids and Their Zwitterions: Synthesis, Characterization and pKa Determination. Chemistry - A European Journal, 2004, 10, 4886-4893.	1.7	256
34	Solvent effects in catalysis: rational improvements of catalysts via manipulation of solvent interactions. Catalysis Science and Technology, 2016, 6, 3302-3316.	2.1	254
35	Gold(III) compounds as anticancer agents: Relevance of goldâ€“protein interactions for their mechanism of action. Journal of Inorganic Biochemistry, 2008, 102, 564-575.	1.5	249
36	Application of Density Functional Theory and Vibrational Spectroscopy Toward the Rational Design of Ionic Liquids. Journal of Physical Chemistry A, 2007, 111, 352-370.	1.1	238

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37	Opening the lid on piano-stool complexes: An account ofÂruthenium(II)â€“arene complexes with medicinal applications. Journal of Organometallic Chemistry, 2014, 751, 251-260.	0.8	236
38	Ruthenium Porphyrin Compounds for Photodynamic Therapy of Cancer. Journal of Medicinal Chemistry, 2008, 51, 1811-1816.	2.9	233
39	How to Predict the Physical Properties of Ionic Liquids: A Volume-Based Approach. Angewandte Chemie - International Edition, 2007, 46, 5384-5388.	7.2	232
40	The ruthenium(II)â€“arene compound RAPTA-C induces apoptosis in EAC cells through mitochondrial and p53â€“JNK pathways. Journal of Biological Inorganic Chemistry, 2008, 13, 1149-1155.	1.1	232
41	Classification of Metal-Based Drugs according to Their Mechanisms of Action. CheM, 2020, 6, 41-60.	5.8	231
42	Synthesis and Characterization of Ionic Liquids Incorporating the Nitrile Functionality. Inorganic Chemistry, 2004, 43, 2197-2205.	1.9	230
43	Organometallic Ruthenium(II) Arene Compounds with Antiangiogenic Activity. Journal of Medicinal Chemistry, 2011, 54, 3895-3902.	2.9	229
44	In vivo anti-tumor activity of the organometallic ruthenium(<scp>ii</scp>)-arene complex [Ru(Î·⁶-p-cymene)Cl₂(pta)] (RAPTA-C) in human ovarian and colorectal carcinomas. Chemical Science, 2014, 5, 4742-4748.	3.7	224
45	A novel platinum nanocatalyst for the oxidation of 5-Hydroxymethylfurfural into 2,5-Furandicarboxylic acid under mild conditions. Journal of Catalysis, 2014, 315, 67-74.	3.1	224
46	Arene hydrogenation in a room-temperature ionic liquid using a ruthenium cluster catalyst. Chemical Communications, 1999, , 25-26.	2.2	221
47	Metal-based antitumour drugs in the post-genomic era: what comes next?. Dalton Transactions, 2011, 40, 9069.	1.6	220
48	Selective Formic Acid Decomposition for Highâ€Pressure Hydrogen Generation: A Mechanistic Study. Chemistry - A European Journal, 2009, 15, 3752-3760.	1.7	219
49	Development of Organometallic Rutheniumâ^'Arene Anticancer Drugs That Resist Hydrolysis. Inorganic Chemistry, 2006, 45, 9006-9013.	1.9	217
50	Binding of Organometallic Ruthenium(II) and Osmium(II) Complexes to an Oligonucleotide:Â A Combined Mass Spectrometric and Theoretical Studyâ€. Organometallics, 2005, 24, 2114-2123.	1.1	210
51	Arene hydrogenation by homogeneous catalysts: fact or fiction?. Dalton Transactions, 2003, , 2964.	1.6	207
52	Systematic Design of a Targeted Organometallic Antitumour Drug in Pre-clinical Development. Chimia, 2007, 61, 698.	0.3	203
53	Molecular Structure, Vibrational Spectra, and Hydrogen Bonding of the Ionic Liquid 1-Ethyl-3-methyl-1H-imidazolium Tetrafluoroborate. Helvetica Chimica Acta, 2004, 87, 2556-2565.	1.0	197
54	Enzyme inhibition by metal complexes: concepts, strategies and applications. Chemical Science, 2013, 4, 1410.	3.7	196

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55	Cytotoxicity of ionic liquids and precursor compounds towards human cell line HeLa. Green Chemistry, 2007, 9, 1191.	4.6	189
56	Metalâ€Free Catalyst for the Chemoselective Methylation of Amines Using Carbon Dioxide as a Carbon Source. Angewandte Chemie - International Edition, 2014, 53, 12876-12879.	7.2	189
57	A Versatile Ruthenium Precursor for Biphasic Catalysis and Its Application in Ionic Liquid Biphasic Transfer Hydrogenation:â€‰ Conventional vs Task-Specific Catalysts. Journal of the American Chemical Society, 2004, 126, 8114-8115.	6.6	188
58	The Dielectric Response of Room-Temperature Ionic Liquids:Â Effect of Cation Variationâ€. Journal of Physical Chemistry B, 2007, 111, 4775-4780.	1.2	188
59	Synthesis of carbonates and related compounds incorporating CO2 using ionic liquid-type catalysts: State-of-the-art and beyond. Journal of Catalysis, 2016, 343, 52-61.	3.1	183
60	Synthesis and characterisation of some water soluble ruthenium(II)â€“arene complexes and an investigation of their antibiotic and antiviral properties. Journal of Organometallic Chemistry, 2003, 668, 35-42.	0.8	181
61	In Vitro Evaluation of Rhodium and Osmium RAPTA Analogues:â€‰ The Case for Organometallic Anticancer Drugs Not Based on Ruthenium. Organometallics, 2006, 25, 4090-4096.	1.1	181
62	Arene Clusters. Chemical Reviews, 1994, 94, 1585-1620.	23.0	179
63	Development of Ruthenium Antitumor Drugs that Overcome Multidrug Resistance Mechanisms. Journal of Medicinal Chemistry, 2007, 50, 2166-2175.	2.9	173
64	Rational Design of an Organometallic Glutathione Transferase Inhibitor. Angewandte Chemie - International Edition, 2009, 48, 3854-3857.	7.2	169
65	Cycloaddition of CO2 to epoxides catalyzed by imidazolium-based polymeric ionic liquids. Green Chemistry, 2013, 15, 1584.	4.6	169
66	New Insights Into the Role of Imidazolium-Based Promoters for the Electroreduction of CO₂ on a Silver Electrode. Journal of the American Chemical Society, 2016, 138, 7820-7823.	6.6	168
67	Catalytic amino acid production from biomass-derived intermediates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5093-5098.	3.3	168
68	Revisiting the Electronic Structure of Phosphazenes. Inorganic Chemistry, 2005, 44, 8407-8417.	1.9	167
69	Advances in the Rational Design of Rhodium Nanoparticle Catalysts: Control via Manipulation of the Nanoparticle Core and Stabilizer. ACS Catalysis, 2012, 2, 1057-1069.	5.5	163
70	Ruthenium(II)â€“Arene RAPTA Type Complexes Containing Curcumin and Bisdemethoxycurcumin Display Potent and Selective Anticancer Activity. Organometallics, 2014, 33, 3709-3715.	1.1	162
71	Determination of hydrogen concentration in ionic liquids and the effect (or lack of) on rates of hydrogenation. Chemical Communications, 2003, , 2418-2419.	2.2	161
72	Development of Nitrile-Functionalized Ionic Liquids for Câ”C Coupling Reactions:â€‰ Implication of Carbene and Nanoparticle Catalysts. Organometallics, 2007, 26, 1588-1598.	1.1	160

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73	Carbohydrate-Metal Complexes and their Potential as Anticancer Agents. Current Medicinal Chemistry, 2008, 15, 2574-2591.	1.2	160
74	A Ruthenium Antimetastasis Agent Forms Specific Histone Protein Adducts in the Nucleosome Core. Chemistry - A European Journal, 2011, 17, 3562-3566.	1.7	160
75	A Synthetic Zwitterionic Water Channel: Characterization in the Solid State by X-ray Crystallography and NMR Spectroscopy. Angewandte Chemie - International Edition, 2005, 44, 5720-5725.	7.2	159
76	Structural Basis for Benzothiazinone-Mediated Killing of Mycobacterium tuberculosis. Science Translational Medicine, 2012, 4, 150ra121.	5.8	159
77	Influence of Hydrogen-Bonding Substituents on the Cytotoxicity of RAPTA Compounds. Organometallics, 2006, 25, 756-765.	1.1	154
78	Palladium Nanoparticles Stabilized by an Ionic Polymer and Ionic Liquid: A Versatile System for Câ^'C Cross-Coupling Reactions. Inorganic Chemistry, 2008, 47, 3292-3297.	1.9	154
79	Influence of the Interaction between Hydrogen Sulfide and Ionic Liquids on Solubility:â€‰ Experimental and Theoretical Investigation. Journal of Physical Chemistry B, 2007, 111, 13014-13019.	1.2	148
80	Antiproliferative activity of chelating N,O- and N,N-ruthenium(ii) arene functionalised poly(propyleneimine) dendrimer scaffolds. Dalton Transactions, 2011, 40, 1158-1167.	1.6	148
81	Naphthalimide-Tagged Rutheniumâ€“Arene Anticancer Complexes: Combining Coordination with Intercalation. Organometallics, 2012, 31, 7031-7039.	1.1	143
82	Electrospray mass spectrometry of metal carbonyl complexesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1998, , 519-526.	1.1	140
83	Synthesis, Characterization, and in Vitro Evaluation of Novel Ruthenium(II) Î·6-Arene Imidazole Complexes. Journal of Medicinal Chemistry, 2006, 49, 5552-5561.	2.9	137
84	Metal-Based Inhibition of Poly(ADP-ribose) Polymerase â^' The Guardian Angel of DNA. Journal of Medicinal Chemistry, 2011, 54, 2196-2206.	2.9	137
85	Application of mass spectrometric techniques to delineate the modes-of-action of anticancer metallodrugs. Chemical Society Reviews, 2013, 42, 6186.	18.7	132
86	Carbon monoxide solubility in ionic liquids: determination, prediction and relevance to hydroformylationElectronic supplementary information (ESI) available: further experimental details. See http://www.rsc.org/suppdata/cc/b4/b401537a/. Chemical Communications, 2004, , 1070.	2.2	131
87	Tuning the hydrophobicity of ruthenium(ii)â€“arene (RAPTA) drugs to modify uptake, biomolecular interactions and efficacy. Dalton Transactions, 2007, , 5065.	1.6	131
88	Influence of Ionic Liquids Bearing Functional Groups in Dye-Sensitized Solar Cells. Inorganic Chemistry, 2006, 45, 1585-1590.	1.9	130
89	How Strong Is Hydrogen Bonding in Ionic Liquids? Combined X-ray Crystallographic, Infrared/Raman Spectroscopic, and Density Functional Theory Study. Journal of Physical Chemistry B, 2013, 117, 9094-9105.	1.2	130
90	Ferrocenoyl Pyridine Arene Ruthenium Complexes with Anticancer Properties:â€‰ Synthesis, Structure, Electrochemistry, and Cytotoxicity. Inorganic Chemistry, 2008, 47, 578-583.	1.9	129

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91	Intricacies of Cationâ€“Anion Combinations in Imidazolium Salt-Catalyzed Cycloaddition of CO₂ Into Epoxides. ACS Catalysis, 2018, 8, 2589-2594.	5.5	129
92	Target profiling of an antimetastatic RAPTA agent by chemical proteomics: relevance to the mode of action. Chemical Science, 2015, 6, 2449-2456.	3.7	127
93	Cellular uptake and subcellular distribution of ruthenium-based metallodrugs under clinical investigation versus cisplatin. Metallomics, 2011, 3, 591.	1.0	126
94	Organometallic Ruthenium Inhibitors of Glutathioneâ€Sâ€Transferase P1â€1 as Anticancer Drugs. ChemMedChem, 2007, 2, 1799-1806.	1.6	124
95	Evidence for Drug Release from a Metallaâ€Cage Delivery Vector Following Cellular Internalisation. Chemistry - A European Journal, 2010, 16, 1428-1431.	1.7	124
96	Thiazolium carbene catalysts for the fixation of CO₂ onto amines. Chemical Communications, 2016, 52, 2497-2500.	2.2	124
97	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
98	Revisiting Ether-Derivatized Imidazolium-Based Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 10095-10108.	1.2	121
99	Single-crystalline TiO2 nanoparticles for stable and efficient perovskite modules. Nature Nanotechnology, 2022, 17, 598-605.	15.6	121
100	Anticancer activity of new organo-ruthenium, rhodium and iridium complexes containing the 2-(pyridine-2-yl)thiazole N,N-chelating ligand. Journal of Organometallic Chemistry, 2010, 695, 1119-1125.	0.8	120
101	1-Butyl-3-methylimidazolium cobalt tetracarbonyl [bmim][Co(CO)4]: a catalytically active organometallic ionic liquid. Chemical Communications, 2001, , 1862-1863.	2.2	119
102	Synthesis, Molecular Structure, and Anticancer Activity of Cationic Arene Ruthenium Metallarectangles. Organometallics, 2009, 28, 4350-4357.	1.1	118
103	Synthesis and Characterization of Platinum(IV) Anticancer Drugs with Functionalized Aromatic Carboxylate Ligands:Â Influence of the Ligands on Drug Efficacies and Uptake. Journal of Medicinal Chemistry, 2005, 48, 8060-8069.	2.9	115
104	Strategy To Tether Organometallic Rutheniumâ^'Arene Anticancer Compounds to Recombinant Human Serum Albumin. Inorganic Chemistry, 2007, 46, 9048-9050.	1.9	115
105	Anticancer Therapeutics That Target Selenoenzymes: Synthesis, Characterization, inâ€…vitro Cytotoxicity, and Thioredoxin Reductase Inhibition of a Series of Gold(I) Complexes Containing Hydrophilic Phosphine Ligands. ChemMedChem, 2010, 5, 96-102.	1.6	115
106	A Strategy to Produce High Efficiency, High Stability Perovskite Solar Cells Using Functionalized Ionic Liquidâ€Dopants. Advanced Materials, 2017, 29, 1702157.	11.1	115
107	Is the Aromatic Fragment of Piano-Stool Ruthenium Compounds an Essential Feature for Anticancer Activity? The Development of New RuII-[9]aneS3 Analogues. European Journal of Inorganic Chemistry, 2005, 2005, 3423-3434.	1.0	114
108	A Strategy for the Synthesis of Transition-Metal Nanoparticles and their Transfer between Liquid Phases. Small, 2006, 2, 879-883.	5.2	114

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109	Pd Nanoparticles in a Supported Ionic Liquid Phase: Highly Stable Catalysts for Selective Acetylene Hydrogenation under Continuous-Flow Conditions. Journal of Physical Chemistry C, 2008, 112, 17814-17819.	1.5	112
110	A Rhodium Nanoparticleâ€"Lewis Acidic Ionic Liquid Catalyst for the Chemoselective Reduction of Heteroarenes. Angewandte Chemie - International Edition, 2016, 55, 292-296.	7.2	112
111	In Vitro Anticancer Activity and Biologically Relevant Metabolization of Organometallic Ruthenium Complexes with Carbohydrateâ€Based Ligands. Chemistry - A European Journal, 2008, 14, 9046-9057.	1.7	111
112	Hydrolysis study of the bifunctional antitumour compound RAPTA-C, [Ru(Î·6-p-cymene)Cl2(pta)]. Journal of Inorganic Biochemistry, 2008, 102, 1743-1748.	1.5	108
113	Rapid optimization of drug combinations for the optimal angiostatic treatment of cancer. Angiogenesis, 2015, 18, 233-244.	3.7	108
114	Passivation Mechanism Exploiting Surface Dipoles Affords High-Performance Perovskite Solar Cells. Journal of the American Chemical Society, 2020, 142, 11428-11433.	6.6	107
115	Remarkable Anion and Cation Effects on Stille Reactions in Functionalised Ionic Liquids. Advanced Synthesis and Catalysis, 2006, 348, 68-74.	2.1	106
116	Organometallic synthesis in ambient temperature chloroaluminate(III) ionic liquids. Ligand exchange reactions of ferrocene. Journal of the Chemical Society Dalton Transactions, 1997, , 3465-3469.	1.1	105
117	A Supercooled Imidazolium Iodide Ionic Liquid as a Low-Viscosity Electrolyte for Dye-Sensitized Solar Cells. Inorganic Chemistry, 2006, 45, 10407-10409.	1.9	104
118	Fighting Cancer with Transition Metal Complexes: From Naked DNA to Protein and Chromatin Targeting Strategies. ChemMedChem, 2016, 11, 1199-1210.	1.6	104
119	Direct analysis of catalysts immobilised in ionic liquids using electrospray ionisation ion trap mass spectrometry. Chemical Communications, 2003, , 508-509.	2.2	101
120	A Nearly Planar Water Sheet Sandwiched between Strontiumâ^'Imidazolium Carboxylate Coordination Polymers. Inorganic Chemistry, 2005, 44, 5200-5202.	1.9	101
121	Studies on the reactivity of organometallic Ruâ€", Rhâ€" and Osâ€"pta complexes with DNA model compounds. Journal of Inorganic Biochemistry, 2008, 102, 1066-1076.	1.5	101
122	Antiproliferative Activity of Gold(I) Alkyne Complexes Containing Water-Soluble Phosphane Ligands. Organometallics, 2010, 29, 2596-2603.	1.1	100
123	Biphasic Hydrogenation over PVP Stabilized Rh Nanoparticles in Hydroxyl Functionalized Ionic Liquids. Inorganic Chemistry, 2008, 47, 7444-7446.	1.9	99
124	Modulating the Anticancer Activity of Ruthenium(II)â€"Arene Complexes. Journal of Medicinal Chemistry, 2015, 58, 3356-3365.	2.9	99
125	Exploring metallodrugâ€"protein interactions by mass spectrometry: comparisons between platinum coordination complexes and an organometallic ruthenium compound. Journal of Biological Inorganic Chemistry, 2009, 14, 761-770.	1.1	98
126	Tuning structural isomers of phenylenediammonium to afford efficient and stable perovskite solar cells and modules. Nature Communications, 2021, 12, 6394.	5.8	98

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127	Combination of ruthenium(II)-arene complex [Ru(Î·6-p-cymene)Cl2(pta)] (RAPTA-C) and the epidermal growth factor receptor inhibitor erlotinib results in efficient angiostatic and antitumor activity. Scientific Reports, 2017, 7, 43005.	1.6	97
128	Transition metal chemistry in ionic liquids. Transition Metal Chemistry, 2002, 27, 353-358.	0.7	96
129	Catalysis by low oxidation state transition metal (carbonyl) clusters. Coordination Chemistry Reviews, 2004, 248, 2443-2458.	9.5	96
130	Application of Ionic Liquids Containing Tricyanomethanide [C(CN)₃]^{â^'} or Tetracyanoborate [B(CN)₄]^{â^'} Anions in Dye-Sensitized Solar Cells. Inorganic Chemistry, 2011, 50, 11561-11567.	1.9	96
131	The influence of greenhouse-integrated photovoltaics on crop production. Solar Energy, 2017, 155, 517-522.	2.9	96
132	Selective removal of acetone and butan-1-ol from water with supported ionic liquidâ€“polydimethylsiloxane membrane by pervaporation. Chemical Engineering Journal, 2008, 139, 318-321.	6.6	95
133	Reactivity of anticancer metallodrugs with serum proteins: new insights from size exclusion chromatography-ICP-MS and ESI-MS. Journal of Analytical Atomic Spectrometry, 2010, 25, 305.	1.6	95
134	The chemistry of phosphinoamides and related compounds. Coordination Chemistry Reviews, 2005, 249, 2056-2074.	9.5	94
135	The mechanism of tumour cell death by metal-based anticancer drugs is not only a matter of DNA interactions. Coordination Chemistry Reviews, 2018, 360, 17-33.	9.5	94
136	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
137	Development of Bimetallic Titanoceneâ^'Rutheniumâ^'Arene Complexes As Anticancer Agents: Relationships between Structural and Biological Properties. Journal of Medicinal Chemistry, 2010, 53, 6923-6933.	2.9	93
138	CZEâ€“ICP-MS as a tool for studying the hydrolysis of ruthenium anticancer drug candidates and their reactivity towards the DNA model compound dGMP. Journal of Inorganic Biochemistry, 2008, 102, 1060-1065.	1.5	92
139	Characterization of Platinum Anticancer Drug Protein-Binding Sites Using a Top-Down Mass Spectrometric Approach. Inorganic Chemistry, 2008, 47, 17-19.	1.9	91
140	Anticancer activity of multinuclear arene ruthenium complexes coordinated to dendritic polypyridyl scaffolds. Journal of Organometallic Chemistry, 2009, 694, 3470-3476.	0.8	91
141	Thermoresponsive polymers based on poly-vinylpyrrolidone: applications in nanoparticle catalysis. Chemical Communications, 2010, 46, 1631.	2.2	91
142	Maleimide-functionalised organoruthenium anticancer agents and their binding to thiol-containing biomolecules. Chemical Communications, 2012, 48, 1475-1477.	2.2	91
143	Inâ€…Situ Formation of Frustrated Lewis Pairs in a Waterâ€Tolerant Metalâ€Organic Framework for the Transformation of CO₂. Angewandte Chemie - International Edition, 2019, 58, 5371-5375.	7.2	91
144	Analysis of organometallic compounds using ion trap mass spectrometry. Inorganica Chimica Acta, 2003, 354, 68-74.	1.2	90

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145	Excellent Correlation between Drug Release and Portal Size in Metallaâ€Cage Drugâ€Delivery Systems. Chemistry - A European Journal, 2011, 17, 9669-9677.	1.7	90
146	On the origin of the synergy between the Pt nanoparticles and MnO2 nanosheets in Wonton-like 3D nanozyme oxidase mimics. Biosensors and Bioelectronics, 2018, 121, 159-165.	5.3	90
147	Mass spectrometric analysis of ubiquitinâ€“platinum interactions of leading anticancer drugs: MALDI versus ESI. Journal of Analytical Atomic Spectrometry, 2007, 22, 960-967.	1.6	89
148	Structured fiber supports for ionic liquid-phase catalysis used in gas-phase continuous hydrogenation. Journal of Catalysis, 2007, 247, 269-276.	3.1	89
149	Rationalisation of Solvent Effects in the Dielsï£¿Alder Reaction Between Cyclopentadiene and Methyl Acrylate in Room Temperature Ionic Liquids. Advanced Synthesis and Catalysis, 2005, 347, 266-274.	2.1	88
150	Osmium(ii)â€“versus ruthenium(ii)â€“arene carbohydrate-based anticancer compounds: similarities and differences. Dalton Transactions, 2010, 39, 7345.	1.6	88
151	Ionic-liquid-like copolymer stabilized nanocatalysts in ionic liquids: II. Rhodium-catalyzed hydrogenation of arenes. Journal of Catalysis, 2007, 250, 33-40.	3.1	87
152	Mechanistic Investigations on the Hydrogenation of Alkenes Using Ruthenium(II)-arene Diphosphine Complexes. Organometallics, 2004, 23, 4849-4857.	1.1	86
153	ESIâ€“MS Characterisation of Protein Adducts of Anticancer Ruthenium(II)-Arene PTA (RAPTA) Complexes. ChemMedChem, 2007, 2, 631-635.	1.6	86
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