

Peter J Barnard

List of Publications by Year in descending order

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52
papers

3,340
citations

218592

26
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175177

52
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55
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docs citations

55
times ranked

3293
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondria-Targeted Chemotherapeutics: The Rational Design of Gold(I) π -N-Heterocyclic Carbene Complexes That Are Selectively Toxic to Cancer Cells and Target Protein Selenols in Preference to Thiols. <i>Journal of the American Chemical Society</i> , 2008, 130, 12570-12571.	6.6	535
2	Targeting the mitochondrial cell death pathway with gold compounds. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1889-1902.	9.5	385
3	Luminescence Studies of the Intracellular Distribution of a Dinuclear Gold(I) π -Heterocyclic Carbene Complex. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5966-5970.	7.2	242
4	Cationic, linear Au(I) π -heterocyclic carbene complexes: synthesis, structure and anti-mitochondrial activity. <i>Dalton Transactions</i> , 2006, , 3708.	1.6	237
5	Mitochondrial permeability transition induced by dinuclear gold(I) π -carbene complexes: potential new antimitochondrial antitumour agents. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1642-1647.	1.5	223
6	Synthesis and structural characterisation of linear Au(I) π -heterocyclic carbene complexes: New analogues of the Au(I) phosphine drug Auranofin. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5625-5635.	0.8	172
7	Dinuclear gold(I) complexes of bridging bidentate carbene ligands: synthesis, structure and spectroscopic characterisation. <i>Dalton Transactions</i> , 2004, , 1038-1047.	1.6	164
8	Synthetic, structural and spectroscopic studies of (pseudo)halo(1,3-di-tert-butylimidazol-2-ylidene)gold complexes. <i>Dalton Transactions</i> , 2005, , 37.	1.6	123
9	Iridium Complexes of π -Heterocyclic Carbene Ligands: Investigation into the Energetic Requirements for Efficient Electrogenenerated Chemiluminescence. <i>Organometallics</i> , 2014, 33, 4860-4872.	1.1	101
10	Electrochemiluminescent Ruthenium(II) π -Heterocyclic Carbene Complexes: a Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2013, 52, 7448-7459.	1.9	82
11	Understanding Electrogenenerated Chemiluminescence Efficiency in Blue-Shifted Iridium(III) π -Complexes: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2014, 20, 3322-3332.	1.7	80
12	Bioenergetic differences selectively sensitize tumorigenic liver progenitor cells to a new gold(I) compound. <i>Carcinogenesis</i> , 2008, 29, 1124-1133.	1.3	69
13	Spectroelectrochemical and Computational Studies on the Mechanism of Hypoxia Selectivity of Copper Radiopharmaceuticals. <i>Chemistry - A European Journal</i> , 2008, 14, 5890-5907.	1.7	62
14	In Vitro and In Vivo Evaluations of a Hydrophilic ⁶⁴ Cu-Bis(Thiosemicarbazonato) π -Glucose Conjugate for Hypoxia Imaging. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1862-1868.	2.8	51
15	Iridium(π) π -heterocyclic carbene complexes: an experimental and theoretical study of structural, spectroscopic, electrochemical and electrogenerated chemiluminescence properties. <i>Dalton Transactions</i> , 2015, 44, 8564-8576.	1.6	47
16	Diverse Reactions of $\text{PhI}(\text{OTf})_2$ with Common 2-Electron Ligands: Complex Formation, Oxidation, and Oxidative Coupling. <i>Inorganic Chemistry</i> , 2012, 51, 13034-13040.	1.9	44
17	The Fate of π -Stabilized Dicarbenes. <i>Chemistry - A European Journal</i> , 2015, 21, 3377-3386.	1.7	42
18	Unusually Strong Electrochemiluminescence from Iridium-Based Redox Polymers Immobilized As Thin Layers or Polymer Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37251-37257.	4.0	41

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19	Rhenium and Technetium Tricarbonyl Complexes of N-Heterocyclic Carbene Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 10862-10873.	1.9	40
20	Heterobimetallic N -Heterocyclic Carbene Complexes: A Synthetic, Spectroscopic, and Theoretical Study. <i>Inorganic Chemistry</i> , 2016, 55, 6882-6891.	1.9	40
21	Nickel(II) and Palladium(II) Complexes with Chelating N-Heterocyclic Carbene Amidate Ligands: Interplay between Normal and Abnormal Coordination Modes. <i>Organometallics</i> , 2013, 32, 1913-1923.	1.1	34
22	Controlled Axial Coordination: Solid-Phase Synthesis and Purification of Metallo-Radiopharmaceuticals. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8416-8419.	7.2	31
23	Facile Formation of Homoleptic Au(III) Trications via Simultaneous Oxidation and Ligand Delivery from $[\text{Ph}(\text{pyridine})_2]^{2+}$. <i>Journal of the American Chemical Society</i> , 2014, 136, 12415-12421.	6.6	31
24	Synthesis, Radiolabelling and Confocal Fluorescence Microscopy of Styrene-Derivatised Bis(thiosemicarbazonato)zinc and Copper Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1985-1993.	1.0	29
25	Electronic absorption spectroscopy and time-dependent density functional theory calculations on the nickel(II) complex of 1,4-bis(pyrrol-2-ylmethyleneamino)butane. <i>Inorganica Chimica Acta</i> , 2009, 362, 402-406.	1.2	26
26	Metal complexes with di(N-heterocyclic carbene) ligands bearing a rigid ortho-, meta or para-phenylene bridge. <i>Dalton Transactions</i> , 2016, 45, 9540-9552.	1.6	26
27	Rhenium(I) complexes of N-heterocyclic carbene ligands that bind to amyloid plaques of Alzheimer's disease. <i>Chemical Communications</i> , 2017, 53, 2311-2314.	2.2	24
28	Chromium(V) Peptide Complexes: Synthesis and Spectroscopic Characterization. <i>Inorganic Chemistry</i> , 2005, 44, 1044-1053.	1.9	23
29	Dinuclear Au(I) N-heterocyclic carbene complexes derived from unsymmetrical azolium cyclophane salts: potential probes for live cell imaging applications. <i>Dalton Transactions</i> , 2016, 45, 12221-12236.	1.6	23
30	Tuning the electrochemiluminescent properties of iridium complexes of N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2019, 48, 653-663.	1.6	23
31	Luminescent iridium(III) complexes of N-heterocyclic carbene ligands prepared using the click reaction. <i>Dalton Transactions</i> , 2019, 48, 9998-10010.	1.6	20
32	Synthesis, X-ray Crystallography, Spectroelectrochemistry and Computational Studies on Potential Copper-Based Radiopharmaceuticals. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3549-3560.	1.0	18
33	Macrocyclic Diamide Ligand Systems: Potential Chelators for ^{64}Cu - and ^{68}Ga -Based Positron Emission Tomography Imaging Agents. <i>Inorganic Chemistry</i> , 2009, 48, 7117-7126.	1.9	18
34	Interactions between tripodal porphyrin hosts and single walled carbon nanotubes: an experimental and theoretical (DFT) account. <i>Journal of Materials Chemistry</i> , 2008, 18, 2781.	6.7	17
35	Bromide ion binding by a dinuclear gold(I) N-heterocyclic carbene complex: a spectrofluorescence and X-ray absorption spectroscopic study. <i>Dalton Transactions</i> , 2013, 42, 1259-1266.	1.6	17
36	Triamidetriamine Bearing Macrobicyclic and Macrotricyclic Ligands: Potential Applications in the Development of Copper-64 Radiopharmaceuticals. <i>Inorganic Chemistry</i> , 2014, 53, 468-477.	1.9	16

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37	Rhenium complexes of bidentate, bis-bidentate and tridentate N-heterocyclic carbene ligands. Dalton Transactions, 2015, 44, 19126-19140.	1.6	16
38	Probing Conformational Variation in Luminescent Dinuclear Gold(I) N-Heterocyclic Carbene Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 3661-3674.	1.0	16
39	Near-Infrared Electrochemiluminescence from Bistridentate Ruthenium(II) Di(quinoline-8-yl)pyridine Complexes in Aqueous Media. ChemPlusChem, 2020, 85, 346-352.	1.3	13
40	Access to the Parent Tetrakis(pyridine)gold(III) Trication, Facile Formation of Rare Au(III) Terminal Hydroxides, and Preliminary Studies of Biological Properties. Inorganic Chemistry, 2016, 55, 2830-2839.	1.9	12
41	Synthesis, conformational analysis and antibacterial activity of Au(I)-Ag(I) and Au(I)-Hg(II) heterobimetallic N-heterocyclic carbene complexes. Dalton Transactions, 2020, 49, 12820-12834.	1.6	11
42	Increased glutaminy cyclase activity in brains of Alzheimer's disease individuals. Journal of Neurochemistry, 2021, 156, 979-987.	2.1	11
43	A spectroscopic investigation of the self-association and DNA binding properties of a series of ternary ruthenium(II) complexes. Journal of Inorganic Biochemistry, 2005, 99, 1009-1017.	1.5	10
44	Charge neutral rhenium tricarbonyl complexes of tridentate N-heterocyclic carbene ligands that bind to amyloid plaques of Alzheimer's disease. Dalton Transactions, 2020, 49, 4559-4569.	1.6	8
45	Electrochemically Sensitized Luminescence from Lanthanides in d-/f-Block Heteronuclear Arrays. ChemPhotoChem, 2018, 2, 27-33.	1.5	7
46	Luminescent iridium(III)-boronic acid complexes for carbohydrate sensing. Dalton Transactions, 2020, 49, 11361-11374.	1.6	7
47	A luminescent lipid mimetic iridium(III) N-heterocyclic carbene complex for membrane labelling. Journal of Inorganic Biochemistry, 2020, 206, 111047.	1.5	4
48	Stepwise Synthesis of Tetra-imidazolium Macrocycles and Their N-Heterocyclic Carbene Metal Complexes. Frontiers in Chemistry, 2019, 7, 270.	1.8	3
49	Cytotoxic properties of rhenium(III) tricarbonyl complexes of N-heterocyclic carbene ligands. Dalton Transactions, 2022, 51, 7630-7643.	1.6	3
50	Selective Synthesis of Ni(II) and Pd(II) Complexes with either Normal or Abnormal N-Heterocyclic Carbene Coordination Modes. ChemistrySelect, 2018, 3, 2830-2836.	0.7	2
51	Electrochemically Sensitized Luminescence from Lanthanides in d-/f-Block Heteronuclear Arrays. ChemPhotoChem, 2018, 2, 3-3.	1.5	0
52	(2-Hydroxyphenylimido- λ^5 N)(methanolato- λ^5 O)[2-(2-oxidobenzylideneamino)phenolato- λ^2 O,N,O λ^2](triphenylphosphine- λ^3 P)rhenium(V). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m773-m773.	0.2	0