

Nicolas P.E. Barry

List of Publications by Year in descending order

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59
papers

3,646
citations

147566

31
h-index

133063

59
g-index

62
all docs

62
docs citations

62
times ranked

4751
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration of the medical periodic table: towards new targets. <i>Chemical Communications</i> , 2013, 49, 5106.	2.2	633
2	Pluronic® block-copolymers in medicine: from chemical and biological versatility to rationalisation and clinical advances. <i>Polymer Chemistry</i> , 2014, 5, 3291-3297.	1.9	369
3	The Potent Oxidant Anticancer Activity of Organoiridium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3941-3946.	7.2	283
4	Organometallic Cages as Vehicles for Intracellular Release of Photosensitizers. <i>Journal of the American Chemical Society</i> , 2012, 134, 754-757.	6.6	272
5	Challenges for Metals in Medicine: How Nanotechnology May Help To Shape the Future. <i>ACS Nano</i> , 2013, 7, 5654-5659.	7.3	132
6	Dicarbido-closo-dodecarborane-containing half-sandwich complexes of ruthenium, osmium, rhodium and iridium: biological relevance and synthetic strategies. <i>Chemical Society Reviews</i> , 2012, 41, 3264.	18.7	117
7	Nanoparticles of chitosan conjugated to organo-ruthenium complexes. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1058-1064.	3.0	101
8	Host-Guest Chemistry in the Hexanuclear (Arene)ruthenium Metalla-Prismatic Cage $[\text{Ru}_6(\text{p-cymene})_6(\text{tpt})_2(\text{dhnq})_3]^6+$. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4695-4700.	1.0	93
9	Excellent Correlation between Drug Release and Portal Size in Metalla-Cage Drug-Delivery Systems. <i>Chemistry - A European Journal</i> , 2011, 17, 9669-9677.	1.7	90
10	Double Targeting of Tumours with Pyrenyl-Modified Dendrimers Encapsulated in an Arene-Ruthenium Metallaprism. <i>Chemistry - A European Journal</i> , 2011, 17, 1966-1971.	1.7	83
11	Anticancer activity of opened arene ruthenium metalla-assemblies. <i>Dalton Transactions</i> , 2010, 39, 5272.	1.6	76
12	Delivery of Floxuridine Derivatives to Cancer Cells by Water-Soluble Organometallic Cages. <i>Bioconjugate Chemistry</i> , 2012, 23, 461-471.	1.8	76
13	Interactions of ruthenium coordination cubes with DNA. <i>Dalton Transactions</i> , 2009, , 10717.	1.6	74
14	Anticancer activity of tetracationic arene ruthenium metalla-cycles. <i>Dalton Transactions</i> , 2011, 40, 7172.	1.6	71
15	100 years of metal coordination chemistry: from Alfred Werner to anticancer metallodrugs. <i>Pure and Applied Chemistry</i> , 2014, 86, 1897-1910.	0.9	66
16	Encapsulation of Pyrene-Functionalized Poly(benzyl ether) Dendrons into a Water-Soluble Organometallic Cage. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1595-1603.	1.7	63
17	Designing the Host-Guest Properties of Tetranuclear Arene Ruthenium Metalla-Rectangles to Accommodate a Pyrene Molecule. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 725-728.	1.0	55
18	Efficient photodynamic therapy of cancer using chemotherapeutic porphyrin-ruthenium metalla-cubes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 178-180.	1.0	54

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19	Systems biology approach for in vivo photodynamic therapy optimization of ruthenium-porphyrin compounds. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 80-89.	1.7	51
20	Oxidative Stress in Cancer Therapy: Friend or Enemy?. <i>ChemBioChem</i> , 2022, 23, .	1.3	49
21	Anticancer activity of osmium metalla-rectangles. <i>Dalton Transactions</i> , 2010, 39, 2816.	1.6	48
22	Highly Efficient NMR Enantiodiscrimination of Chiral Octanuclear Metalla-Boxes in Polar Solvent. <i>Organometallics</i> , 2009, 28, 4894-4897.	1.1	47
23	Designing Supramolecular Liquid-Crystalline Hybrids from Pyrenyl-Containing Dendrimers and Arene Ruthenium Metallacycles. <i>Journal of the American Chemical Society</i> , 2014, 136, 17616-17625.	6.6	45
24	<i>In Vivo</i> Selectivity and Localization of Reactive Oxygen Species (ROS) Induction by Osmium Anticancer Complexes That Circumvent Platinum Resistance. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9246-9255.	2.9	44
25	Synthesis and controlled growth of osmium nanoparticles by electron irradiation. <i>Dalton Transactions</i> , 2015, 44, 20308-20311.	1.6	43
26	Synthesis, Characterization and Anticancer Activity of Porphyrin-Containing Organometallic Cubes. <i>Australian Journal of Chemistry</i> , 2010, 63, 1529.	0.5	42
27	Organometallic boxes built from 5,10,15,20-tetra(4-pyridyl)porphyrin panels and hydroxyquinonato-bridged diruthenium clips. <i>Inorganic Chemistry Communication</i> , 2008, 11, 1300-1303.	1.8	40
28	Enhancement of Cytotoxicity by Combining Pyrenyl-Dendrimers and Arene Ruthenium Metallacages. <i>Inorganic Chemistry</i> , 2012, 51, 7119-7124.	1.9	39
29	Permanent Encapsulation or Host-Guest Behavior of Aromatic Molecules in Hexanuclear Arene Ruthenium Prisms. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 2400-2405.	1.0	34
30	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , 2014, 175, 229-240.	1.6	33
31	Fabrication of crystals from single metal atoms. <i>Nature Communications</i> , 2014, 5, 3851.	5.8	31
32	Encapsulation of inorganic and organic guest molecules into an organometallic hexacationic arene osmium metalla-prism: Synthesis, characterisation and anticancer activity. <i>Journal of Organometallic Chemistry</i> , 2012, 705, 1-6.	0.8	29
33	Arene ruthenium dithiolato-carborane complexes for boron neutron capture therapy (BNCT). <i>Journal of Organometallic Chemistry</i> , 2015, 796, 17-25.	0.8	27
34	Photochemical [2+2] cycloaddition of the olefinic double bonds in the supramolecular rectangle [Ru4(1,6-p-cymene)4(1/4-oxalato)2(1/4-4,4'-bipyridylethylene)2]4+. <i>Inorganic Chemistry Communication</i> , 2009, 12, 465-468.	1.2	21
35	Encapsulation of hydrophobic pyrenyl-cycloplatin complexes within a water-soluble arene ruthenium metalla-cage. <i>Inorganic Chemistry Communication</i> , 2012, 18, 25-28.	1.8	21
36	Thermochromic organometallic complexes: experimental and theoretical studies of 16- to 18-electron interconversions of adducts of arene Ru(II) carboranes with aromatic amine ligands. <i>Dalton Transactions</i> , 2013, 42, 2580-2587.	1.6	19

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37	Rational design of an arene ruthenium chlorin conjugate for in vivo anticancer activity. <i>Inorganica Chimica Acta</i> , 2014, 414, 134-140.	1.2	15
38	Osmium Atoms and Os ₂ Molecules Move Faster on Selenium-Doped Compared to Sulfur-Doped Boronic Graphenic Surfaces. <i>Chemistry of Materials</i> , 2015, 27, 5100-5105.	3.2	14
39	Dynamics of formation of Ru, Os, Ir and Au metal nanocrystals on doped graphitic surfaces. <i>Chemical Communications</i> , 2016, 52, 3895-3898.	2.2	13
40	Pseudo electron-deficient organometallics: limited reactivity towards electron-donating ligands. <i>Dalton Transactions</i> , 2017, 46, 15676-15683.	1.6	13
41	Controlled fabrication of osmium nanocrystals by electron, laser and microwave irradiation and characterisation by microfocus X-ray absorption spectroscopy. <i>Chemical Communications</i> , 2017, 53, 12898-12901.	2.2	12
42	Synthesis, Characterisation and In Vitro Anticancer Activity of Catalytically Active Indole-Based Half-Sandwich Complexes. <i>Molecules</i> , 2020, 25, 4540.	1.7	12
43	Anti-inflammatory activity of electron-deficient organometallics. <i>Royal Society Open Science</i> , 2017, 4, 170786.	1.1	11
44	Pyrene: The Guest of Honor. , 2016, , 421-461.		10
45	Effect of Temperature on the Nucleation and Growth of Precious Metal Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18482-18486.	7.2	10
46	Preclinical Anticancer Activity of an Electron-Deficient Organoruthenium(II) Complex. <i>ChemMedChem</i> , 2020, 15, 982-987.	1.6	10
47	The Sound of Chemistry: Translating Infrared Wavenumbers into Musical Notes. <i>Journal of Chemical Education</i> , 2020, 97, 703-709.	1.1	9
48	A multinuclear ¹ H, ¹³ C and ¹¹ B solid-state MAS NMR study of 16- and 18-electron organometallic ruthenium and osmium carborane complexes. <i>Dalton Transactions</i> , 2014, 43, 4945-4949.	1.6	8
49	Schizophrenia: synthetic strategies and recent advances in drug design. <i>MedChemComm</i> , 2018, 9, 759-782.	3.5	8
50	The synthesis and unexpected solution chemistry of thermochromic carborane-containing osmium half-sandwich complexes. <i>Dalton Transactions</i> , 2016, 45, 1763-1768.	1.6	7
51	New Class of Hybrid Materials for Detection, Capture, and "On-Demand" Release of Carbon Monoxide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13693-13701.	4.0	7
52	Anticancer Activity of Electron-Deficient Metal Complexes against Colorectal Cancer in...vitro Models. <i>ChemMedChem</i> , 2019, 14, 1887-1893.	1.6	7
53	Influence of boron doping on the dynamics of formation of Os metal nanoclusters on graphitic surfaces. <i>Chemical Communications</i> , 2019, 55, 6038-6041.	2.2	7
54	Indole-containing arene-ruthenium complexes with broad spectrum activity against antibiotic-resistant bacteria. <i>Current Research in Microbial Sciences</i> , 2022, 3, 100099.	1.4	6

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55	Ru ₂ (CO) ₄ (OOCR) ₂ L ₂ sawhorse-type complexes containing axial 5-(4-pyridyl)-10,15,20-triphenylporphyrin ligands. <i>Inorganica Chimica Acta</i> , 2011, 371, 59-62.	1.2	5
56	Halide Control of <i>N,N</i> -Coordination versus <i>N,C</i> -Cyclometalation and Stereospecific Phenyl Ring Deuteration of Osmium(II) <i>p</i> -Cymene Phenylazobenzothiazole Complexes. <i>Organometallics</i> , 2017, 36, 4367-4375.	1.1	4
57	Controlled Release of Carbon Monoxide from a Pseudo Electron-Deficient Organometallic Complex. <i>ACS Omega</i> , 2018, 3, 15623-15627.	1.6	3
58	Effect of Temperature on the Nucleation and Growth of Precious Metal Nanocrystals. <i>Angewandte Chemie</i> , 2019, 131, 18653-18657.	1.6	3
59	Evaluation of the Toxicity of Two Electron-Deficient Half-Sandwich Complexes against Human Lymphocytes from Healthy Individuals. <i>ChemMedChem</i> , 2021, 16, 624-629.	1.6	3