

# Nicholas P Farrell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1034137/publications.pdf>

Version: 2024-02-01

164  
papers

6,267  
citations

50276

46  
h-index

88630

70  
g-index

172  
all docs

172  
docs citations

172  
times ranked

4712  
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA Modifications by a Novel Bifunctional Trinuclear Platinum Phase I Anticancer Agent. <i>Biochemistry</i> , 1999, 38, 6781-6790.	2.5	219
2	Molecular methods for assessment of non-covalent metallodrug-DNA interactions. <i>Chemical Society Reviews</i> , 2019, 48, 971-988.	38.1	196
3	A comparison of chemical reactivity, cytotoxicity, interstrand crosslinking and DNA sequence specificity of bis(platinum) complexes containing monodentate or bidentate coordination spheres with their monomeric analogs. <i>Biochemistry</i> , 1990, 29, 9522-9531.	2.5	175
4	Multi-platinum anti-cancer agents. Substitution-inert compounds for tumor selectivity and new targets. <i>Chemical Society Reviews</i> , 2015, 44, 8773-8785.	38.1	174
5	A Third Mode of DNA Binding: Phosphate Clamps by a Polynuclear Platinum Complex. <i>Journal of the American Chemical Society</i> , 2006, 128, 16092-16103.	13.7	166
6	Zinc metalloproteins as medicinal targets. <i>Chemical Society Reviews</i> , 2008, 37, 1629.	38.1	144
7	Towards Antitumor Active <i>trans</i> -Platinum Compounds. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1293-1302.	2.0	142
8	DNA Interstrand Cross-links of the Novel Antitumor Trinuclear Platinum Complex BBR3464. <i>Journal of Biological Chemistry</i> , 2002, 277, 48076-48086.	3.4	140
9	Synthesis, Characterization, and Cytotoxicity of a Novel Highly Charged Trinuclear Platinum Compound. Enhancement of Cellular Uptake with Charge. <i>Inorganic Chemistry</i> , 2005, 44, 9598-9600.	4.0	128
10	Long Range 1,4 and 1,6-Interstrand Cross-Links Formed by a Trinuclear Platinum Complex. Minor Groove Preassociation Affects Kinetics and Mechanism of Cross-Link Formation as Well as Adduct Structure. <i>Journal of the American Chemical Society</i> , 2004, 126, 2166-2180.	13.7	111
11	Excursions in polynuclear platinum DNA binding. <i>Chemical Communications</i> , 2010, 46, 6640.	4.1	106
12	Zinc finger proteins as templates for metal ion exchange and ligand reactivity. Chemical and biological consequences. <i>Metallomics</i> , 2011, 3, 121.	2.4	105
13	Cellular pharmacology of polynuclear platinum anti-cancer agents. <i>Journal of Inorganic Biochemistry</i> , 1999, 77, 51-57.	3.5	101
14	DNA Interactions of Bifunctional Dinuclear Platinum(II) Antitumor Agents. <i>FEBS Journal</i> , 1997, 246, 508-517.	0.2	94
15	Bis(platinum) complexes containing two platinum cis-diammine units. Synthesis and initial DNA-binding studies. <i>Journal of the American Chemical Society</i> , 1988, 110, 5018-5019.	13.7	92
16	DNA Binding and Chemistry of Dinuclear Platinum Complexes. <i>Comments on Inorganic Chemistry</i> , 1995, 16, 373-389.	5.2	92
17	Polynuclear platinum anticancer drugs are more potent than cisplatin and induce cell cycle arrest in glioma1. <i>Neuro-Oncology</i> , 2006, 8, 215-226.	1.2	82
18	DNA interactions of antitumor <i>trans</i> -[PtCl <sub>2</sub> (NH <sub>3</sub> )(quinoline)]. <i>FEBS Journal</i> , 1998, 254, 547-557.	0.2	80

#	ARTICLE	IF	CITATIONS
19	Interaction of novel bis(platinum) complexes with DNA. <i>Nucleic Acids Research</i> , 1989, 17, 9719-9733.	14.5	77
20	Modification of Platinum(II) Antitumor Complexes with Sulfur Ligands. 1. Synthesis, Structure, and Spectroscopic Properties of Cationic Complexes of the Types [PtCl(diamine)(L)]NO <sub>3</sub> and [PtCl(diamine)] <sub>2</sub> (L-L)(NO <sub>3</sub> ) <sub>2</sub> (L = Monofunctional Thiourea Derivative; L-L = Bifunctional Thiourea) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	4.0	77
21	NanoSIMS multi-element imaging reveals internalisation and nucleolar targeting for a highly-charged polynuclear platinum compound. <i>Chemical Communications</i> , 2013, 49, 6944.	4.1	75
22	Effect of Geometric Isomerism in Dinuclear Platinum Antitumor Complexes on DNA Interstrand Cross-Linking. <i>Biochemistry</i> , 1999, 38, 10997-11005.	2.5	74
23	Conformation, Recognition by High Mobility Group Domain Proteins, and Nucleotide Excision Repair of DNA Intrastrand Cross-links of Novel Antitumor Trinuclear Platinum Complex BBR3464. <i>Journal of Biological Chemistry</i> , 2001, 276, 22191-22199.	3.4	74
24	Kinetic and Equilibria Studies of the Aquation of the Trinuclear Platinum Phase II Anticancer Agent [trans-PtCl(NH <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> [1/4-trans-Pt(NH <sub>3</sub> ) <sub>2</sub> (NH <sub>2</sub> (CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub> ) <sub>2</sub> ] <sub>4</sub> <sup>+</sup> (BBR3464). <i>Inorganic Chemistry</i> , 2002, 41, 1101-1109.	4.0	74
25	Consequences of Nucleic Acid Conformation on the Binding of a Trinuclear Platinum Drug. <i>Biochemistry</i> , 1999, 38, 14731-14737.	2.5	67
26	Kinetics and mechanism for reduction of anticancer-active tetrachloroam(m)ine platinum(IV) compounds by glutathione. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 300-306.	2.6	67
27	Platinum Formulations as Anticancer Drugs Clinical and Pre-Clinical Studies. <i>Current Topics in Medicinal Chemistry</i> , 2011, 11, 2623-2631.	2.1	67
28	Anticancer activity in murine and human tumor cell lines of bis(platinum) complexes incorporating straight-chain aliphatic diamine linker groups. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 4526-4532.	6.4	65
29	Equilibrium and Kinetic Studies of the Aquation of the Dinuclear Platinum Complex [trans-PtCl(NH <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> (1/4-NH <sub>2</sub> (CH <sub>2</sub> ) <sub>6</sub> NH <sub>2</sub> ) <sub>2</sub> <sup>+</sup> : pKa Determinations of Aqua Ligands via [1H,15N] NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2000, 39, 1710-1715.	4.0	64
30	Targeting Retroviral Zn Finger-DNA Interactions: A Small-Molecule Approach Using the Electrophilic Nature of trans-Platinum-Nucleobase Compounds. <i>Chemistry and Biology</i> , 2006, 13, 539-548.	6.0	62
31	DNA Condensing Effects and Sequence Selectivity of DNA Binding of Antitumor Noncovalent Polynuclear Platinum Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 1662-1671.	4.0	62
32	The phosphate clamp: a small and independent motif for nucleic acid backbone recognition. <i>Nucleic Acids Research</i> , 2011, 39, 325-336.	14.5	61
33	Zinc finger proteins as templates for metal ion exchange: Substitution effects on the C-finger of HIV nucleocapsid NCp7 using M(chelate) species (M = Pt, Pd, Au). <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1347-1354.	3.5	60
34	Cooperative effects in long-range 1,4 DNA-DNA interstrand cross-links formed by polynuclear platinum complexes: an unexpected syn orientation of adenine bases outside the binding sites. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 19-28.	2.6	59
35	Cytotoxicity, DNA strand breakage and DNA-protein crosslinking by a novel transplatinum compound in human A2780 ovarian and MCF-7 breast carcinoma cells. <i>Biochemical Pharmacology</i> , 2004, 68, 857-866.	4.4	57
36	Synthesis, properties, and x-ray structural characterization of the hexakis(dimethyl) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (sulfoxid</i>	4.0	56

#	ARTICLE	IF	CITATIONS
37	A novel DNA structure induced by the anticancer bisplatinum compound crosslinked to a GpC site in DNA. <i>Nature Structural Biology</i> , 1995, 2, 577-586.	9.7	56
38	Steric control of DNA interstrand cross-link sites of trans platinum complexes: specificity can be dictated by planar nonleaving groups. <i>Journal of Biological Inorganic Chemistry</i> , 2000, 5, 364-368.	2.6	56
39	Biological Consequences of Trinuclear Platinum Complexes: Comparison of $[\{\text{trans-PtCl}(\text{NH}_3)_2\}_2\text{I}^{1/4}\text{-}(\text{trans-Pt}(\text{NH}_3)_2(\text{H}_2\text{N}(\text{CH}_2)_6\text{-NH}_2)_2)]^{4+}$ (BBR 3464) with Its Noncovalent Congeners. <i>Molecular Pharmacology</i> , 2006, 69, 666-672.	2.3	56
40	Effects of Noncovalent Platinum Drug-Protein Interactions on Drug Efficacy: Use of Fluorescent Conjugates as Probes for Drug Metabolism. <i>Molecular Pharmaceutics</i> , 2011, 8, 940-948.	4.6	55
41	Exploring the DNA binding/cleavage, cellular accumulation and topoisomerase inhibition of 2-hydroxy-3-(aminomethyl)-1,4-naphthoquinone Mannich bases and their platinum(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2013, 119, 54-64.	3.5	55
42	A comparison of DNA binding profiles of dinuclear platinum compounds with polyamine linkers and the trinuclear platinum phase II clinical agent BBR3464. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 397-404.	2.6	53
43	Thiolate Bridging and Metal Exchange in Adducts of a Zinc Finger Model and PtII Complexes: Biomimetic Studies of Protein/Pt/DNA Interactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 6272-6280.	13.7	53
44	Mechanism of the Membrane Interaction of Polynuclear Platinum Anticancer Agents. Implications for Cellular Uptake. <i>Biochemistry</i> , 2006, 45, 4248-4256.	2.5	50
45	Gold(I)-Phosphine-N-Heterocycles: Biological Activity and Specific (Ligand) Interactions on the C-Terminal HIVNCp7 Zinc Finger. <i>Inorganic Chemistry</i> , 2013, 52, 11280-11287.	4.0	50
46	Synthesis and DNA conformational changes of non-covalent polynuclear platinum complexes. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1591-1598.	3.5	48
47	Platinum-based drugs and proteins: Reactivity and relevance to DNA adduct formation. <i>Journal of Inorganic Biochemistry</i> , 2013, 122, 27-37.	3.5	46
48	Conformation, protein recognition and repair of DNA interstrand and intrastrand cross-links of Antitumor trans- $[\text{PtCl}_2(\text{NH}_3)(\text{thiazole})]$ . <i>Nucleic Acids Research</i> , 2005, 33, 5819-5828.	14.5	45
49	Inversion of the Cis Geometry Requirement for Cytotoxicity in Structurally Novel Platinum(II) Complexes Containing the Bidentate N,O-Donor Pyridin-2-yl-acetate. <i>Inorganic Chemistry</i> , 2000, 39, 1882-1890.	4.0	44
50	Interaction of trivalent antimony with a CCHC zinc finger domain: potential relevance to the mechanism of action of antimonial drugs. <i>Chemical Communications</i> , 2008, , 4828.	4.1	42
51	Substitution-Inert Trinuclear Platinum Complexes Efficiently Condense/Aggregate Nucleic Acids and Inhibit Enzymatic Activity. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12812-12816.	13.8	42
52	The phosphate clamp: sequence selective nucleic acid binding profiles and conformational induction of endonuclease inhibition by cationic Triplatin complexes. <i>Nucleic Acids Research</i> , 2014, 42, 13474-13487.	14.5	41
53	Covalent and Noncovalent Interactions for $[\text{Metal}(\text{dien})\text{nucleobase}]_2^+$ Complexes with-Tryptophan Derivatives: A Formation of Palladium-Tryptophan Species by Nucleobase Substitution under Biologically Relevant Conditions. <i>Inorganic Chemistry</i> , 2006, 45, 1638-1645.	4.0	39
54	Pre-association of polynuclear platinum anticancer agents on a protein, human serum albumin. Implications for drug design. <i>Dalton Transactions</i> , 2007, , 4938.	3.3	37

#	ARTICLE	IF	CITATIONS
55	Differences in the cellular response and signaling pathways of cisplatin and BBR3464 ( $[\{\text{trans-PtCl}(\text{NH}_3)_2\}^{1/4}\text{-}(\text{trans-Pt}(\text{NH}_3)_2(\text{H}_2\text{N}(\text{CH}_2)_6\text{-NH}_2)_2\}]^{4+}$ ) influenced by copper homeostasis. <i>Biochemical Pharmacology</i> , 2007, 73, 1270-1279.	4.4	37
56	Amide-Based Prodrugs of Spermidine-Bridged Dinuclear Platinum. Synthesis, DNA Binding, and Biological Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 2254-2260.	6.4	37
57	Effects of Nucleobase Metalation on Frontier Molecular Orbitals: Potential Implications for $\pi$ -Stacking Interactions with Tryptophan. <i>Inorganic Chemistry</i> , 2008, 47, 10425-10431.	4.0	35
58	Antiangiogenic platinum through glycan targeting. <i>Chemical Science</i> , 2017, 8, 241-252.	7.4	35
59	Effects of geometric isomerism in dinuclear platinum antitumor complexes on aquation reactions in the presence of perchlorate, acetate and phosphate. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 652-666.	2.6	34
60	Dinuclear Platinum Complexes with Biological Relevance Based on the 1,2-Diaminocyclohexane Carrier Ligand. <i>Inorganic Chemistry</i> , 2007, 46, 5820-5822.	4.0	34
61	Heparan Sulfate Proteoglycan-Mediated Entry Pathway for Charged Tri-Platinum Compounds: Differential Cellular Accumulation Mechanisms for Platinum. <i>Molecular Pharmaceutics</i> , 2012, 9, 1795-1802.	4.6	34
62	Nucleolar Targeting by Platinum: p53-Independent Apoptosis Follows rRNA Inhibition, Cell-Cycle Arrest, and DNA Compaction. <i>Molecular Pharmaceutics</i> , 2015, 12, 287-297.	4.6	34
63	Conformation and recognition of DNA modified by a new antitumor dinuclear Pt(II) complex resistant to decomposition by sulfur nucleophiles. <i>Biochemical Pharmacology</i> , 2010, 79, 112-121.	4.4	33
64	Low-Dose BBR3610 Toxicity in Colon Cancer Cells Is p53-Independent and Enhanced by Inhibition of Epidermal Growth Factor Receptor (ERBB1)-Phosphatidylinositol 3 Kinase Signaling. <i>Molecular Pharmacology</i> , 2007, 72, 704-714.	2.3	32
65	The Bioinorganic Chemistry of Apoptosis: Potential Inhibitory Zinc Binding Sites in Caspase-3. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4098-4101.	13.8	32
66	Metal ions and the extracellular matrix in tumor migration. <i>FEBS Journal</i> , 2019, 286, 2950-2964.	4.7	32
67	Thermodynamic properties of duplex DNA containing a site-specific d(GpC) intrastrand crosslink formed by an antitumor dinuclear platinum complex. <i>Nucleic Acids Research</i> , 2001, 29, 2034-2040.	14.5	31
68	Factors Affecting DNA-DNA Interstrand Crosslinks in the Antiparallel 3' to 5' Sense: A Comparison with the 5' to 3' Directional Isomer. <i>Chemistry - A European Journal</i> , 2009, 15, 9365-9374.	3.3	31
69	Suppression of RAF/MEK or PI3K synergizes cytotoxicity of receptor tyrosine kinase inhibitors in glioma tumor-initiating cells. <i>Journal of Translational Medicine</i> , 2016, 14, 46.	4.4	31
70	Preclinical perspectives on the use of platinum compounds in cancer chemotherapy. <i>Seminars in Oncology</i> , 2004, 31, 1-9.	2.2	30
71	Gold-Catalyzed C-S Aryl Group Transfer in Zinc Finger Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9305-9309.	13.8	30
72	Polynuclear platinum drugs. <i>Metal Ions in Biological Systems</i> , 2004, 42, 251-96.	0.4	30

#	ARTICLE	IF	CITATIONS
73	The dynamics of zinc sites in proteins: electronic basis for coordination sphere expansion at structural sites. <i>Metallomics</i> , 2014, 6, 2230-2241.	2.4	28
74	[Au(dien)(N-heterocycle)] <sup>3+</sup> : Reactivity with Biomolecules and Zinc Finger Peptides. <i>Inorganic Chemistry</i> , 2015, 54, 79-86.	4.0	28
75	Au(III) compounds as HIV nucleocapsid protein (NCp7) nucleic acid antagonists. <i>Chemical Communications</i> , 2017, 53, 91-94.	4.1	28
76	Chimeric Platinum-Polyamines and DNA Binding. Kinetics of DNA Interstrand Cross-Link Formation by Dinuclear Platinum Complexes with Polyamine Linkers. <i>Journal of the American Chemical Society</i> , 2012, 134, 7135-7146.	13.7	27
77	A new approach to glycan targeting: enzyme inhibition by oligosaccharide metalshielding. <i>Chemical Communications</i> , 2014, 50, 4056-4058.	4.1	27
78	The phosphate clamp as recognition motif in platinum-DNA interactions. <i>Inorganica Chimica Acta</i> , 2016, 452, 25-33.	2.4	27
79	Solution studies on DNA interactions of substitution-inert platinum complexes mediated via the phosphate clamp. <i>Dalton Transactions</i> , 2015, 44, 3563-3572.	3.3	24
80	Substitution-Inert Polynuclear Platinum Complexes as Metalshielding Agents for Heparan Sulfate. <i>Chemistry - A European Journal</i> , 2018, 24, 6606-6616.	3.3	23
81	X-ray Absorption Spectroscopy Combined with Time-Dependent Density Functional Theory Elucidates Differential Substitution Pathways of Au(I) and Au(III) with Zinc Fingers. <i>Inorganic Chemistry</i> , 2018, 57, 218-230.	4.0	23
82	Approaches to Selective DNA Binding in Polyfunctional Dinuclear Platinum Chemistry. The Synthesis of a Trifunctional Compound and Its Interaction with the Mononucleotide 5'-Guanosine Monophosphate. <i>Inorganic Chemistry</i> , 2001, 40, 6324-6327.	4.0	22
83	Promotion of DNA strand breaks, interstrand cross-links and apoptotic cell death in A2780 human ovarian cancer cells by transplatinum planar amine complexes. <i>Biochemical Pharmacology</i> , 2007, 73, 1749-1757.	4.4	22
84	The polynuclear platinum BBR3610 induces G2/M arrest and autophagy early and apoptosis late in glioma cells. <i>Neuro-Oncology</i> , 2010, 12, 1269-1277.	1.2	22
85	Comparison of Metal-Ammine Compounds Binding to DNA and Heparin. Glycans as Ligands in Bioinorganic Chemistry. <i>Inorganic Chemistry</i> , 2018, 57, 3116-3125.	4.0	22
86	8. COORDINATION COMPLEXES OF TITANIUM(IV) FOR ANTICANCER THERAPY. , 2018, 18, 219-250.		22
87	Substitution-Inert Polynuclear Platinum Complexes with Dangling Amines: Condensation/Aggregation of Nucleic Acids and Inhibition of DNA-Related Enzymatic Activities. <i>Inorganic Chemistry</i> , 2019, 58, 6804-6810.	4.0	22
88	Ru(II)-Naphthoquinone complexes with high selectivity for triple-negative breast cancer. <i>Dalton Transactions</i> , 2020, 49, 16193-16203.	3.3	22
89	Controlling Nuclease Degradation of Wireframe DNA Origami with Minor Groove Binders. <i>ACS Nano</i> , 2022, 16, 8954-8966.	14.6	22
90	Combined action of the dinuclear platinum compound BBR3610 with the PI3K inhibitor PX866 in glioblastoma. <i>International Journal of Cancer</i> , 2011, 128, 787-796.	5.1	21

#	ARTICLE	IF	CITATIONS
91	Diversity in Gold Finger Structure Elucidated by Traveling-Wave Ion Mobility Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4464-4467.	13.8	21
92	Investigation of 1-Methylcytosine as a Ligand in Gold(III) Complexes: Synthesis and Protein Interactions. <i>Inorganics</i> , 2019, 7, 1.	2.7	21
93	Platination of Nucleobases To Enhance Noncovalent Recognition in Protein-DNA/RNA Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 483-485.	4.0	19
94	Platinated DNA Affects Zinc Finger Conformation. Interaction of a Platinated Single-Stranded Oligonucleotide and the C-Terminal Zinc Finger of Nucleocapsid Protein HIVNCp7. <i>Biochemistry</i> , 2012, 51, 1752-1761.	2.5	19
95	10. GALLIUM COMPLEXES AS ANTICANCER DRUGS. , 2018, 18, 281-302.		19
96	Probing the HIV-1 NCp7 Nucleocapsid Protein with Site-Specific Gold(I)-Phosphine Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 12308-12318.	4.0	18
97	Investigation of the trans effect in the fragmentation of dinuclear platinum complexes by electrospray ionization surface-induced dissociation tandem mass spectrometry. , 1998, 33, 436-443.		17
98	Determination of the Kinetic Profile of a Dinuclear Platinum Anticancer Complex in the Presence of Sulfate: Introducing a New Tool for the Expedited Analysis of 2D [ <sup>1</sup> H, <sup>15</sup> N] HSQC NMR Spectra. <i>Inorganic Chemistry</i> , 2010, 49, 10815-10819.	4.0	17
99	Platinum anticancer agents and antidepressants: desipramine enhances platinum-based cytotoxicity in human colon cancer cells. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 123-132.	2.6	17
100	Antitumor bifunctional dinuclear Pt(II) complex BBR3535 forms interduplex DNA cross-links under molecular crowding conditions. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 239-245.	2.6	17
101	Modulation of drug activation profiles through carboxylate ligand modification in cytotoxic trans-platinum planar amine compounds. <i>Dalton Transactions</i> , 2011, 40, 10983.	3.3	16
102	A Click Chemistry Approach to Targeted DNA Crosslinking with <i>cis</i> -Platinum(II)-Modified Triplex-Forming Oligonucleotides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	16
103	Modulation of transplanaramine platinum complex reactivity by systematic modification of carrier and leaving groups. <i>Inorganica Chimica Acta</i> , 2009, 362, 929-934.	2.4	15
104	DNA Reactivity Profile of <i>trans</i> -Platinum Planar Amine Derivatives. <i>ChemMedChem</i> , 2011, 6, 1283-1290.	3.2	15
105	Enhancement of the physicochemical properties of [Pt(dien)(nucleobase)] <sup>2+</sup> for HIVNCp7 targeting. <i>Chemical Science</i> , 2017, 8, 1269-1281.	7.4	15
106	Structural consequences of a 3'→5' DNA interstrand cross-link by a trinuclear platinum complex: unique formation of two such cross-links in a 10-mer duplex. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 969-977.	2.6	14
107	The reaction of dichlorodiammineplatinum(II), [PtCl <sub>2</sub> (NH <sub>3</sub> ) <sub>2</sub> ], isomers with zinc fingers. <i>Journal of Inorganic Biochemistry</i> , 2015, 143, 117-122.	3.5	14
108	Effects of coordination mode of 2-mercaptothiazoline on reactivity of Au(I) compounds with thiols and sulfur-containing proteins. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 136-145.	3.5	14

#	ARTICLE	IF	CITATIONS
109	Substitution- $\text{Inert}$ Polynuclear Platinum Complexes That Inhibit the Activity of DNA Polymerase in Triplex-Forming Templates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8535-8539.	13.8	14
110	Glycans as Ligands in Bioinorganic Chemistry. Probing the Interaction of a Trinuclear Platinum Anticancer Complex with Defined Monosaccharide Fragments of Heparan Sulfate. <i>Inorganic Chemistry</i> , 2019, 58, 7146-7155.	4.0	14
111	Platinum complexes act as shielding agents against virus infection. <i>Chemical Communications</i> , 2021, 57, 4666-4669.	4.1	14
112	Substitution-inert polynuclear platinum compounds inhibit human cytomegalovirus attachment and entry. <i>Antiviral Research</i> , 2020, 184, 104957.	4.1	14
113	Retained platinum uptake and indifference to p53 status make novel transplatinum agents active in platinum-resistant cells compared to cisplatin and oxaliplatin. <i>Cell Cycle</i> , 2012, 11, 963-973.	2.6	13
114	Tuning the reactivity of Sp1 zinc fingers with platinum complexes. <i>Dalton Transactions</i> , 2016, 45, 8712-8716.	3.3	13
115	Interaction of the HIV NCp7 Protein with Platinum(II) and Gold(III) Complexes Containing Tridentate Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 11396-11407.	4.0	13
116	Triplatin-NC and Biomolecules: Building Models Based on Non-covalent Interactions. <i>Frontiers in Chemistry</i> , 2019, 7, 307.	3.6	13
117	DNA Interstrand Cross-Links of an Antitumor Trinuclear Platinum(II) Complex: Thermodynamic Analysis and Chemical Probing. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1566-1574.	3.3	12
118	Conformational Modulation of Iduronic Acid-Containing Sulfated Glycosaminoglycans by a Polynuclear Platinum Compound and Implications for Development of Antimetastatic Platinum Drugs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3283-3289.	13.8	12
119	Solution studies of dinuclear polyamine-linked platinum-based antitumour complexes. <i>Dalton Transactions</i> , 2011, 40, 4147.	3.3	11
120	Substitution- $\text{Inert}$ Trinuclear Platinum Complexes Efficiently Condense/Aggregate Nucleic Acids and Inhibit Enzymatic Activity. <i>Angewandte Chemie</i> , 2014, 126, 13026-13030.	2.0	11
121	Modulation of the stacking interaction of MN <sub>4</sub> (M=Pt, Pd, Au) complexes with tryptophan through N-heterocyclic ligands. <i>Journal of Inorganic Biochemistry</i> , 2014, 132, 2-5.	3.5	11
122	Interaction of arsenite with a zinc finger CCHC peptide: Evidence for formation of an As-Zn-peptide mixed complex. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1753-1758.	3.5	10
123	Platinum-nucleobase PtN <sub>4</sub> complexes as chemotypes for selective peptide reactions with biomolecules. <i>Inorganica Chimica Acta</i> , 2012, 393, 222-229.	2.4	10
124	Synthesis and Properties of the First [Au(dien)(N-heterocycle)] <sup>3+</sup> Compounds. <i>Inorganic Chemistry</i> , 2014, 53, 30-32.	4.0	10
125	Reduced accumulation of platinum drugs is not observed in drug-resistant ovarian cancer cell lines derived from cisplatin-treated patients. <i>Journal of Inorganic Biochemistry</i> , 2015, 149, 45-48.	3.5	10
126	Binding affinity studies of 1,2,3-triazole copper(II) complexes to human serum albumin. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1894-1909.	2.2	10



#	ARTICLE	IF	CITATIONS
127	Substitution-Inert Polynuclear Platinum Complexes Act as Potent Inducers of Condensation/Aggregation of Short Single- and Double-Stranded DNA and RNA Oligonucleotides. <i>Chemistry - A European Journal</i> , 2019, 25, 2995-2999. The nature of the DNA template (single- versus double-stranded) affects the rate of aquation of a dinuclear Pt anticancer drug. Electronic supplementary information (ESI) available: experimental conditions for the NMR reactions, the models used for the kinetic fits and [1H,15N] HSQC NMR spectra of the final products from reactions of 1 with the single strand (I) (before and after addition of the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	10
128	Chemical Communications, 2003, , 122-123. Competitive formation of both long-range 5â€²-â€²5â€² and short-range antiparallel 3â€²-â€²3â€² DNA interstrand cross-links by a trinuclear platinum complex on binding to a 10-mer duplex. <i>Dalton Transactions</i> , 2013, 42, 3181-3187.	3.3	9
130	Exploitation of Sulfated Glycosaminoglycan Status for Precision Medicine of Triplatin in Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2022, 21, 271-281.	4.1	9
131	Structure-Activity Relationships Within Di- and Trinuclear Platinum Phase-I Clinical Anticancer Agents. , 2006, , 477-496.		8
132	Reactions of palladium and gold complexes with zinc-thiolate chelates using electrospray mass		

#	ARTICLE	IF	CITATIONS
145	Conformational Modulation of Iduronic Acid-Containing Sulfated Glycosaminoglycans by a Polynuclear Platinum Compound and Implications for Development of Antimetastatic Platinum Drugs. <i>Angewandte Chemie</i> , 2021, 133, 3320-3326.	2.0	5
146	On the Biology of Werner's Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17123-17130.	13.8	5
147	Comparison of cis and trans-Platinum Mononucleobase Compounds with DNA and Protein Models. <i>Australian Journal of Chemistry</i> , 2008, 61, 694.	0.9	5
148	Zinc finger peptide cleavage by a dinuclear platinum compound. <i>Chemical Communications</i> , 2013, 49, 6986.	4.1	4
149	Structural Factors Affecting Binding of Platinum Anticancer Agents with Phospholipids: Influence of Charge and Phosphate Clamp Formation. <i>Chemistry - A European Journal</i> , 2018, 24, 4643-4652.	3.3	4
150	Substitution-inert Polynuclear Platinum Complexes That Inhibit the Activity of DNA Polymerase in Triplex-Forming Templates. <i>Angewandte Chemie</i> , 2018, 130, 8671-8675.	2.0	4
151	Translesion DNA synthesis across double-base lesions derived from cross-links of an antitumor trinuclear platinum compound: primer extension, conformational and thermodynamic studies. <i>Metallomics</i> , 2018, 10, 132-144.	2.4	3
152	Dinuclear Platinum Complexes Containing Planar Aromatic Ligands to Enhance Stacking Interactions with Proteins. <i>ChemMedChem</i> , 2014, 9, 1155-1160.	3.2	2
153	Antitumor substitution-inert polynuclear platinum complexes stabilize G-quadruplex DNA and suppress G-quadruplex-mediated gene expression. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	2
154	Platinum Anticancer Drugs: From Laboratory to Clinic. <i>ACS Symposium Series</i> , 2005, , 62-79.	0.5	1
155	The facile and visualizable identification of broad-spectrum inhibitors of MDM2/p53 using co-expressed protein complexes. <i>Analyst</i> , The, 2019, 144, 3773-3781.	3.5	1
156	Modulation of relaxation activity of human topoisomerases by Pt(II)-based complexes. <i>Journal of Inorganic Biochemistry</i> , 2020, 211, 111178.	3.5	1
157	The leaving group in Au(I)-phosphine compounds dictates cytotoxic pathways in CEM leukemia cells and reactivity towards a Cys2His2 model zinc finger. <i>Dalton Transactions</i> , 2020, 49, 16319-16328.	3.3	1
158	Abstract 3941: Heparan sulfate, a new target for platinum in metastatic TNBC. <i>Cancer Research</i> , 2018, 78, 3941-3941.	0.9	1
159	Metalloglycomics of tris(2,2'-bipyridyl) cobalt and ruthenium compounds. <i>Journal of Inorganic Biochemistry</i> , 2022, 229, 111731.	3.5	1
160	Substitution-inert polynuclear platinum complexes and Glycosaminoglycans: A molecular dynamics study of its non-covalent interactions. <i>Journal of Inorganic Biochemistry</i> , 2022, 232, 111811.	3.5	1
161	Applications of Inorganic Chemistry in Biology: An Interdisciplinary Graduate Course. <i>Journal of Chemical Education</i> , 1998, 75, 739.	2.3	0
162	Abstract: The Bioinorganic Chemistry of Apoptosis: Potential Inhibitory Zinc Binding Sites in Caspase-3 ( <i>Angew. Chem.</i> 16/2014). <i>Angewandte Chemie</i> , 2014, 126, 4336-4336.	2.0	0

#	ARTICLE	IF	CITATIONS
163	Intramolecular platinum migration on a peptide in gas phase during collision-induced dissociation. <i>Journal of Inorganic Biochemistry</i> , 2020, 202, 110858.	3.5	0
164	On the Biology of Werner's Complex. <i>Angewandte Chemie</i> , 2021, 133, 17260-17267.	2.0	0