

Viktor Brabec

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370
papers

13,297
citations

63
h-index

95
g-index

390
ext. papers

14,274
ext. citations

5.8
avg, IF

6.42
L-index

#	Paper	IF	Citations
370	DNA binding mode of ruthenium complexes and relationship to tumor cell toxicity. <i>Drug Resistance Updates</i> , 2006 , 9, 111-22	23.2	303
369	Modifications of DNA by platinum complexes. Relation to resistance of tumors to platinum antitumor drugs. <i>Drug Resistance Updates</i> , 2005 , 8, 131-46	23.2	295
368	DNA interactions of monofunctional organometallic ruthenium(II) antitumor complexes in cell-free media. <i>Biochemistry</i> , 2003 , 42, 11544-54	3.2	287
367	Organometallic half-sandwich iridium anticancer complexes. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 3011-26	8.3	269
366	A potent cytotoxic photoactivated platinum complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20743-8	11.5	267
365	DNA interstrand cross-links of trans-diamminedichloroplatinum(II) are preferentially formed between guanine and complementary cytosine residues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 5345-9	11.5	248
364	Correlation between cytotoxicity and DNA binding of polypyridyl ruthenium complexes. <i>Biochemistry</i> , 1995 , 34, 12369-78	3.2	212
363	DNA modifications by a novel bifunctional trinuclear platinum phase I anticancer agent. <i>Biochemistry</i> , 1999 , 38, 6781-90	3.2	207
362	DNA modifications by antitumor platinum and ruthenium compounds: their recognition and repair. <i>Progress in Molecular Biology and Translational Science</i> , 2002 , 71, 1-68		199
361	Optically pure, water-stable metallo-helical 'flexicate' assemblies with antibiotic activity. <i>Nature Chemistry</i> , 2011 , 4, 31-6	17.6	170
360	Double-check probing of DNA bending and unwinding by XPA-RPA: an architectural function in DNA repair. <i>EMBO Journal</i> , 2001 , 20, 3554-64	13	148
359	Interaction of nucleic acids with electrically charged surfaces. II. Conformational changes in double-helical polynucleotides. <i>Biophysical Chemistry</i> , 1976 , 4, 79-92	3.5	146
358	Molecular aspects of resistance to antitumor platinum drugs. <i>Drug Resistance Updates</i> , 2002 , 5, 147-61	23.2	136
357	Sequence-dependent distortions induced in DNA by monofunctional platinum(II) binding. <i>Biochemistry</i> , 1992 , 31, 12397-402	3.2	131
356	Biophysical studies of the modification of DNA by antitumour platinum coordination complexes. <i>Biophysical Chemistry</i> , 1990 , 35, 129-41	3.5	131
355	DNA interstrand cross-links of the novel antitumor trinuclear platinum complex BBR3464. Conformation, recognition by high mobility group domain proteins, and nucleotide excision repair. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48076-86	5.4	130
354	Metal Antitumor Compounds: The Mechanism of Action of Platinum Complexes. <i>Progress in Clinical Biochemistry and Medicine</i> , 1989 , 1-24		126

353	Pt(IV) derivatives of cisplatin and oxaliplatin with phenylbutyrate axial ligands are potent cytotoxic agents that act by several mechanisms of action. <i>Chemical Science</i> , 2016 , 7, 2381-2391	9.4	123
352	Photoactivatable Organometallic Pyridyl Ruthenium(II) Arene Complexes. <i>Organometallics</i> , 2012 , 31, 3466-3479	3.8	123
351	Conformation of DNA modified by monofunctional Ru(II) arene complexes: recognition by DNA binding proteins and repair. Relationship to cytotoxicity. <i>Chemistry and Biology</i> , 2005 , 12, 121-9		120
350	Electrochemical behaviour of proteins at graphite electrodes. II. Electrooxidation of amino acids. <i>Biophysical Chemistry</i> , 1980 , 12, 159-65	3.5	119
349	The influence of salts and pH on polarographic currents produced by denatured DNA. <i>Radiation and Environmental Biophysics</i> , 1970 , 6, 290-300	2	110
348	DNA conformational change produced by the site-specific interstrand cross-link of trans-diamminedichloroplatinum(II). <i>Biochemistry</i> , 1993 , 32, 11676-81	3.2	109
347	Induced-fit recognition of DNA by organometallic complexes with dynamic stereogenic centers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14623-8	11.5	108
346	Mechanism of the formation of DNA-protein cross-links by antitumor cisplatin. <i>Nucleic Acids Research</i> , 2007 , 35, 1812-21	20.1	104
345	DNA binding mode of the cis and trans geometries of new antitumor nonclassical platinum complexes containing piperidine, piperazine, or 4-picoline ligand in cell-free media. Relations to their activity in cancer cell lines. <i>Biochemistry</i> , 2003 , 42, 6321-32	3.2	102
344	Dual triggering of DNA binding and fluorescence via photoactivation of a dinuclear ruthenium(II) arene complex. <i>Inorganic Chemistry</i> , 2007 , 46, 5059-68	5.1	95
343	Cytotoxicity, cellular uptake, and DNA interactions of new monodentate ruthenium(II) complexes containing terphenyl arenes. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 5310-9	8.3	93
342	Cytotoxic platinum coordination compounds. DNA binding agents. <i>Coordination Chemistry Reviews</i> , 2017 , 351, 2-31	23.2	92
341	Towards Novel Photodynamic Anticancer Agents Generating Superoxide Anion Radicals: A Cyclometalated Ir Complex Conjugated to a Far-Red Emitting Coumarin. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6311-6315	16.4	89
340	DNA-protein cross-linking by trans-[PtCl(2)(E-iminoether)(2)]. A concept for activation of the trans geometry in platinum antitumor complexes. <i>Nucleic Acids Research</i> , 2003 , 31, 6450-60	20.1	89
339	Electrochemical behavior of natural and biosynthetic polynucleotides at the pyrolytic graphite electrode A new probe for studies of polynucleotide structure and reactions. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978 , 89, 161-173		88
338	The contrasting chemistry and cancer cell cytotoxicity of bipyridine and bipyridinediol ruthenium(II) arene complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 11470-86	5.1	86
337	Bifunctional amine-tethered ruthenium(II) arene complexes form monofunctional adducts on DNA. <i>Inorganic Chemistry</i> , 2007 , 46, 8950-62	5.1	85
336	DNA interactions of bifunctional dinuclear platinum(II) antitumor agents. <i>FEBS Journal</i> , 1997 , 246, 508-17		84

335	DNA interactions of monofunctional organometallic osmium(II) antitumor complexes in cell-free media. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 3635-43	8.3	83
334	Reaction of Zn7metallothionein with cis- and trans-[Pt(N-donor)2Cl2] anticancer complexes: trans-Pt(II) complexes retain their N-donor ligands. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 4075-86	8.3	83
333	DNA interactions of antitumor platinum(IV) complexes. <i>FEBS Journal</i> , 1995 , 228, 616-24		83
332	Diazido mixed-amine platinum(IV) anticancer complexes activatable by visible-light form novel DNA adducts. <i>Chemistry - A European Journal</i> , 2013 , 19, 9578-91	4.8	82
331	Site-specific d(GpG) intrastrand cross-links formed by dinuclear platinum complexes. Bending and NMR studies. <i>Biochemistry</i> , 1996 , 35, 16705-13	3.2	82
330	DNA binding by antitumor trans-[PtCl2(NH3)(thiazole)]. Protein recognition and nucleotide excision repair of monofunctional adducts. <i>Biochemistry</i> , 2003 , 42, 792-800	3.2	78
329	Sequence specificity, conformation, and recognition by HMG1 protein of major DNA interstrand cross-links of antitumor dinuclear platinum complexes. <i>Journal of Biological Chemistry</i> , 2000 , 275, 15789-98	5.4	78
328	Studies of the mechanism of action of platinum(II) complexes with potent cytotoxicity in human cancer cells. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 5474-84	8.3	75
327	mer-[Ru(terpy)Cl3] (terpy = 2,2':6',2'-terpyridine) shows biological activity, forms interstrand cross-links in DNA and binds two guanine derivatives in a trans configuration. <i>Inorganica Chimica Acta</i> , 1995 , 231, 57-64	2.7	75
326	DNA interactions of dinuclear RuII arene antitumor complexes in cell-free media. <i>Biochemical Pharmacology</i> , 2009 , 77, 364-74	6	74
325	DNA adducts of antitumor trans-[PtCl2 (E-imino ether)2]. <i>Nucleic Acids Research</i> , 1996 , 24, 336-41	20.1	74
324	DNA interactions of antitumor trans-[PtCl2(NH3)(quinoline)]. <i>FEBS Journal</i> , 1998 , 254, 547-57		73
323	Interfacial behavior of adenine and its nucleosides and nucleotides. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1979 , 100, 111-133		72
322	Biophysical analysis of natural, double-helical DNA modified by anticancer heterocyclic complexes of ruthenium(III) in cell-free media. <i>Journal of Biological Inorganic Chemistry</i> , 2001 , 6, 435-45	3.7	70
321	Adsorption of single-stranded and double-helical polynucleotides on the mercury electrode. <i>Biopolymers</i> , 1972 , 11, 2577-89	2.2	70
320	A Photoactivatable Platinum(IV) Complex Targeting Genomic DNA and Histone Deacetylases. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14478-82	16.4	69
319	Unique properties of DNA interstrand cross-links of antitumor oxaliplatin and the effect of chirality of the carrier ligand. <i>Chemistry - A European Journal</i> , 2008 , 14, 1330-41	4.8	69
318	Ruthenium coordination compounds of biological and biomedical significance. DNA binding agents. <i>Coordination Chemistry Reviews</i> , 2018 , 376, 75-94	23.2	68

317	Interactions of DNA with a new platinum(IV) azide dipyridine complex activated by UVA and visible light: relationship to toxicity in tumor cells. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1099-111	4	68
316	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, 22191-9	5.4	68
315	Effect of geometric isomerism in dinuclear platinum antitumor complexes on DNA interstrand cross-linking. <i>Biochemistry</i> , 1999 , 38, 10997-1005	3.2	68
314	314 - Electrochemical oxidation of nucleic acids and proteins at graphite electrode. Qualitative aspects. <i>Bioelectrochemistry</i> , 1980 , 7, 69-82		67
313	Electrochemical behaviour of proteins at graphite electrodes. I. Electrooxidation of proteins as a new probe of protein structure and reactions. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1980 , 625, 43-50		67
312	433 [Nucleic acid analysis by voltammetry at carbon electrodes. <i>Bioelectrochemistry</i> , 1981 , 8, 437-449		67
311	Interfacial behavior of uracil at the mercury-solution interface. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1977 , 85, 389-405		67
310	Transplatin is cytotoxic when photoactivated: enhanced formation of DNA cross-links. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 7792-8	8.3	66
309	A dual-targeting, apoptosis-inducing organometallic half-sandwich iridium anticancer complex. <i>Metallomics</i> , 2014 , 6, 1491-501	4.5	65
308	New insights into the molecular and epigenetic effects of antitumor Pt(IV)-valproic acid conjugates in human ovarian cancer cells. <i>Biochemical Pharmacology</i> , 2015 , 95, 133-44	6	64
307	Polarographic Determination of Subnanogram Quantities of Free Platinum in Reaction Mixture with Dna. <i>Analytical Letters</i> , 1990 , 23, 1505-1518	2.2	63
306	Recognition of DNA three-way junctions by metallosupramolecular cylinders: gel electrophoresis studies. <i>Chemistry - A European Journal</i> , 2007 , 13, 3871-7	4.8	62
305	The effect of ionic strength on melting of DNA modified by platinum(II) complexes. <i>Biophysical Chemistry</i> , 1996 , 60, 135-42	3.5	62
304	Recognition of DNA interstrand cross-links of cis-diamminedichloroplatinum(II) and its trans isomer by DNA-binding proteins. <i>Biochemistry</i> , 1995 , 34, 12379-87	3.2	61
303	Adjusting the DNA Interaction and Anticancer Activity of Pt(II) N-Heterocyclic Carbene Complexes by Steric Shielding of the Trans Leaving Group. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 6283-92	8.3	59
302	DNA sensor for the determination of antitumor platinum compounds. <i>Electrochimica Acta</i> , 2000 , 45, 2929-2932	6.7	59
301	Conformation of DNA GG intrastrand cross-link of antitumor oxaliplatin and its enantiomeric analog. <i>Biophysical Journal</i> , 2007 , 93, 3950-62	2.9	58
300	Biophysical analysis of DNA modified by 1,2-diaminocyclohexane platinum(II) complexes. <i>Nucleic Acids Research</i> , 1992 , 20, 267-72	20.1	58

299	DNA condensing effects and sequence selectivity of DNA binding of antitumor noncovalent polynuclear platinum complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 1662-71	5.1	57
298	Functionalization of osmium arene anticancer complexes with (poly)arginine: effect on cellular uptake, internalization, and cytotoxicity. <i>Bioconjugate Chemistry</i> , 2011 , 22, 218-26	6.3	57
297	Recognition of major DNA adducts of enantiomeric cisplatin analogs by HMG box proteins and nucleotide excision repair of these adducts. <i>Chemistry and Biology</i> , 2002 , 9, 629-38		57
296	DNA interactions of antitumor cisplatin analogs containing enantiomeric amine ligands. <i>Biophysical Journal</i> , 2000 , 78, 2008-21	2.9	57
295	Activation of trans geometry in bifunctional mononuclear platinum complexes by a piperidine ligand. Mechanistic studies on antitumor action. <i>Journal of Biological Chemistry</i> , 2003 , 278, 47516-25	5.4	56
294	Antitumor platinum(IV) derivatives of oxaliplatin with axial valproato ligands. <i>Journal of Inorganic Biochemistry</i> , 2014 , 140, 72-9	4.2	55
293	Thermal and thermodynamic properties of duplex DNA containing site-specific interstrand cross-link of antitumor cisplatin or its clinically ineffective trans isomer. <i>Journal of Biological Chemistry</i> , 2001 , 276, 9655-61	5.4	54
292	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, 364-8	3.7	54
291	Metallohelices with activity against cisplatin-resistant cancer cells; does the mechanism involve DNA binding?. <i>Chemical Science</i> , 2013 , 4, 4407	9.4	52
290	DNA modifications by antitumor trans-[PtCl ₂ (E-iminoether) ₂]. <i>Molecular Pharmacology</i> , 1997 , 52, 354-61	4.3	52
289	Structural characterization, DNA interactions, and cytotoxicity of new transplatin analogues containing one aliphatic and one planar heterocyclic amine ligand. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 2640-51	8.3	52
288	Emergence of the First Catalytic Oligonucleotides in a Formamide-Based Origin Scenario. <i>Chemistry - A European Journal</i> , 2016 , 22, 3572-86	4.8	52
287	Ferrocenyl-Coupled N-Heterocyclic Carbene Complexes of Gold(I): A Successful Approach to Multinuclear Anticancer Drugs. <i>Chemistry - A European Journal</i> , 2016 , 22, 18953-18962	4.8	51
286	Mechanism of cellular accumulation of an iridium(III) pentamethylcyclopentadienyl anticancer complex containing a C,N-chelating ligand. <i>Metallomics</i> , 2014 , 6, 682-90	4.5	51
285	Chiral discrimination in platinum anticancer drugs. <i>Environmental Health Perspectives</i> , 2002 , 110 Suppl 5, 779-82	8.4	51
284	DNA bending and unwinding due to the major 1,2-GG intrastrand cross-link formed by antitumor cis-diamminedichloroplatinum(II) are flanking-base independent. <i>Nucleic Acids Research</i> , 2002 , 30, 2894-8 ^{20.1}		51
283	Bipyrimidine ruthenium(II) arene complexes: structure, reactivity and cytotoxicity. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 1033-51	3.7	50
282	Raman scattering from nucleic acids adsorbed at a silver electrode. <i>Biophysical Chemistry</i> , 1985 , 23, 63-70 ⁵		50

281	Potential and structure controlled interfacial behavior of uracil derivatives. <i>Biophysical Chemistry</i> , 1978 , 7, 253-68	3.5	50
280	Molecular aspects of antitumor effects of a new platinum(IV) drug. <i>Molecular Pharmacology</i> , 2006 , 70, 1708-19	4.3	49
279	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	3.7	48
278	Monofunctional adducts of platinum(II) produce in DNA a sequence-dependent local denaturation. <i>Biochemistry</i> , 1994 , 33, 1316-22	3.2	46
277	Novel antitumor cisplatin and transplatin derivatives containing 1-methyl-7-azaindole: synthesis, characterization, and cellular responses. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 847-59	8.3	45
276	Potential of mitochondrial dysfunction in tumor cells by conjugates of metabolic modulator dichloroacetate with a Pt(IV) derivative of oxaliplatin. <i>Journal of Inorganic Biochemistry</i> , 2016 , 156, 89-97	4.2	43
275	How to modify 7-azaindole to form cytotoxic Pt(II) complexes: highly in vitro anticancer effective cisplatin derivatives involving halogeno-substituted 7-azaindole. <i>Journal of Inorganic Biochemistry</i> , 2012 , 115, 57-63	4.2	43
274	Cytotoxicity, cellular uptake, glutathione and DNA interactions of an antitumor large-ring Pt II chelate complex incorporating the cis-1,4-diaminocyclohexane carrier ligand. <i>Biochemical Pharmacology</i> , 2010 , 79, 552-64	6	43
273	Superhelical torsion controls DNA interstrand cross-linking by antitumor cis-diamminedichloroplatinum(II). <i>Nucleic Acids Research</i> , 1996 , 24, 3918-25	20.1	43
272	Formation of platinated GG cross-links on DNA by photoactivation of a platinum(IV) azide complex. <i>Journal of Biological Inorganic Chemistry</i> , 2003 , 8, 741-5	3.7	43
271	Conformation, protein recognition and repair of DNA interstrand and intrastrand cross-links of antitumor trans-[PtCl ₂ (NH ₃)(thiazole)]. <i>Nucleic Acids Research</i> , 2005 , 33, 5819-28	20.1	42
270	Exploring the Effect of Polypyridyl Ligands on the Anticancer Activity of Phosphorescent Iridium(III) Complexes: From Proteosynthesis Inhibitors to Photodynamic Therapy Agents. <i>Chemistry - A European Journal</i> , 2018 , 24, 4607-4619	4.8	41
269	Sequence-dependent conformational changes in DNA induced by polynuclear platinum complexes. <i>Journal of Inorganic Biochemistry</i> , 1999 , 77, 43-6	4.2	41
268	Interaction of nucleic acids with electrically charged surfaces. <i>Biophysical Chemistry</i> , 1979 , 9, 289-297	3.5	41
267	cis-Pt I ₂ (NH ₃) ₂ : a reappraisal. <i>Dalton Transactions</i> , 2015 , 44, 14896-905	4.3	40
266	DNA interactions of cisplatin tethered to the DNA minor groove binder distamycin. <i>FEBS Journal</i> , 1999 , 266, 392-402		40
265	Valuable insight into the anticancer activity of the platinum-histone deacetylase inhibitor conjugate, cis-[Pt(NH ₃) ₂ malSAHA-2H]. <i>Molecular Pharmaceutics</i> , 2012 , 9, 1990-9	5.6	39
264	Combined theoretical and computational study of interstrand DNA guanine-guanine cross-linking by trans-[Pt(pyridine) ₂] derived from the photoactivated prodrug trans,trans,trans-[Pt(N ₃) ₂ (OH) ₂ (pyridine) ₂]. <i>Inorganic Chemistry</i> , 2012 , 51, 6830-41	5.1	39

263	DNA interactions of new antitumor platinum complexes with trans geometry activated by a 2-methylbutylamine or sec-butylamine ligand. <i>Biochemical Pharmacology</i> , 2004 , 67, 1097-109	6	39
262	Substitution-inert trinuclear platinum complexes efficiently condense/aggregate nucleic acids and inhibit enzymatic activity. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12812-6	16.4	38
261	Interaction of dinuclear ruthenium(II) supramolecular cylinders with DNA: sequence-specific binding, unwinding, and photocleavage. <i>Chemistry - A European Journal</i> , 2008 , 14, 10408-14	4.8	38
260	Cytotoxicity, mutagenicity, cellular uptake, DNA and glutathione interactions of lipophilic trans-platinum complexes tethered to 1-adamantylamine. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 1077-89	4.2	38
259	434 Electrochemical behaviour of proteins at graphite electrodes: Part III. The effect of protein adsorption. <i>Bioelectrochemistry</i> , 1981 , 8, 451-458		38
258	Transfer Hydrogenation and Antiproliferative Activity of Tethered Half-Sandwich Organoruthenium Catalysts. <i>Organometallics</i> , 2018 , 37, 1555-1566	3.8	37
257	3,6-bis(3-alkylguanidino)acridines as DNA-intercalating antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2012 , 57, 283-95	6.8	37
256	DNA binding of dinuclear iron(II) metallosupramolecular cylinders. DNA unwinding and sequence preference. <i>Nucleic Acids Research</i> , 2008 , 36, 3630-8	20.1	37
255	Electrochemical oxidation of polyadenylic acid at graphite electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978 , 91, 219-229		37
254	Somatostatin receptor-targeted organometallic iridium(III) complexes as novel theranostic agents. <i>Chemical Communications</i> , 2017 , 53, 5523-5526	5.8	36
253	Photo-induced DNA cleavage and cytotoxicity of a ruthenium(II) arene anticancer complex. <i>Journal of Inorganic Biochemistry</i> , 2016 , 160, 149-55	4.2	36
252	Differences in the cellular response and signaling pathways between cisplatin and monodentate organometallic Ru(II) antitumor complexes containing a terphenyl ligand. <i>Molecular Pharmaceutics</i> , 2011 , 8, 949-57	5.6	36
251	Influence of pyridine versus piperidine ligands on the chemical, DNA binding and cytotoxic properties of light activated trans,trans,trans-[Pt(N3)2(OH)2(NH3)(L)]. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 652-62	4.2	36
250	Amide-based prodrugs of spermidine-bridged dinuclear platinum. Synthesis, DNA binding, and biological activity. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 2254-60	8.3	36
249	Recognition of DNA interstrand cross-link of antitumor cisplatin by HMGB1 protein. <i>Biochemistry</i> , 2003 , 42, 1234-44	3.2	36
248	Polarographic studies on the conformation of some platinum complexes: relations to anti-tumour activity. <i>Anti-cancer Drug Design</i> , 1986 , 1, 95-109		36
247	Novel Antitumor Platinum(II) Conjugates Containing the Nonsteroidal Anti-inflammatory Agent Diclofenac: Synthesis and Dual Mechanisms of Antiproliferative Effects. <i>Inorganic Chemistry</i> , 2017 , 56, 1483-1497	5.1	34
246	New Acridine Thiourea Gold(I) Anticancer Agents: Targeting the Nucleus and Inhibiting Vasculogenic Mimicry. <i>ACS Chemical Biology</i> , 2017 , 12, 1524-1537	4.9	34

245	Highly potent extranuclear-targeted luminescent iridium(III) antitumor agents containing benzimidazole-based ligands with a handle for functionalization. <i>Chemical Communications</i> , 2016 , 52, 14165-14168	5.8	34
244	Structure and unique interactions with DNA of a cationic trans-platinum complex with the nonplanar bicyclic piperidinopiperidine ligand. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2885-2890	16.4	33
243	Effect of the geometry of the central coordination sphere in antitumor trinuclear platinum complexes on DNA binding. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1560-9	4.2	32
242	Trifunctional dinuclear platinum complexes as DNA-protein cross-linking agents. <i>Biochemistry</i> , 2004 , 43, 7776-86	3.2	32
241	Conformational analysis of site-specific DNA cross-links of cisplatin-distamycin conjugates. <i>Biochemistry</i> , 2000 , 39, 12639-49	3.2	32
240	Inhibition of DNA topoisomerases I and II and growth inhibition of HL-60 cells by novel acridine-based compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 76, 192-202	5.1	31
239	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, 112-21	6	31
238	Thermal stability and energetics of 15-mer DNA duplex interstrand crosslinked by trans-diamminedichloroplatinum(II). <i>Biopolymers</i> , 2005 , 77, 222-9	2.2	31
237	Interactions of nucleic acids with electrically charged surfaces. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1978 , 88, 373-385		31
236	Influence of the binding of reduced NAMI-A to human serum albumin on the pharmacokinetics and biological activity. <i>Dalton Transactions</i> , 2015 , 44, 1905-13	4.3	30
235	Cationic nonsymmetric transplatinum complexes with piperidinopiperidine ligands. Preparation, characterization, in vitro cytotoxicity, in vivo toxicity, and anticancer efficacy studies. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 4665-73	8.3	30
234	DNA interactions of a novel platinum drug, cis-[PtCl(NH ₃) ₂ (N7-acyclovir)] ⁺ . <i>Molecular Pharmacology</i> , 1998 , 53, 846-55	4.3	30
233	Epigenetic and antitumor effects of platinum(IV)-octanoato conjugates. <i>Scientific Reports</i> , 2017 , 7, 3751	4.9	29
232	Antitumor carboplatin is more toxic in tumor cells when photoactivated: enhanced DNA binding. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 891-8	3.7	28
231	Replacement of a thiourea with an amidine group in a monofunctional platinum-acridine antitumor agent. Effect on DNA interactions, DNA adduct recognition and repair. <i>Molecular Pharmaceutics</i> , 2011 , 8, 1941-54	5.6	28
230	Factors affecting DNA-DNA interstrand cross-links in the antiparallel 3'-3' sense: a comparison with the 5'-5' directional isomer. <i>Chemistry - A European Journal</i> , 2009 , 15, 9365-74	4.8	28
229	Biophysical studies on the stability of DNA intrastrand cross-links of transplatin. <i>Biophysical Journal</i> , 2008 , 95, 4361-71	2.9	28
228	Different recognition of DNA modified by antitumor cisplatin and its clinically ineffective trans isomer by tumor suppressor protein p53. <i>Journal of Biological Chemistry</i> , 2001 , 276, 16064-9	5.4	28

227	L-methionine inhibits reaction of DNA with anticancer cis-diamminedichloroplatinum(II). <i>Biochemistry</i> , 2002 , 41, 10994-9	3.2	28
226	DNA interactions of new antitumor aminophosphine platinum(II) complexes. <i>Molecular Pharmacology</i> , 1999 , 56, 20-30	4.3	28
225	Effects of histidin-2-ylidene vs. imidazol-2-ylidene ligands on the anticancer and antivascular activity of complexes of ruthenium, iridium, platinum, and gold. <i>Journal of Inorganic Biochemistry</i> , 2016 , 163, 221-228	4.2	28
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