

John M Kelly

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h-index

104
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302
ext. papers

14,415
ext. citations

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L-index

#	Paper	IF	Citations
285	A study of the interactions of some polypyridylruthenium (II) complexes with DNA using fluorescence spectroscopy, topoisomerisation and thermal denaturation. <i>Nucleic Acids Research</i> , 1985 , 13, 6017-34	20.1	771
284	Recent advances in the development of 1,8-naphthalimide based DNA targeting binders, anticancer and fluorescent cellular imaging agents. <i>Chemical Society Reviews</i> , 2013 , 42, 1601-18	58.5	472
283	Optical Properties and Growth Aspects of Silver Nanoprisms Produced by a Highly Reproducible and Rapid Synthesis at Room Temperature. <i>Advanced Functional Materials</i> , 2008 , 18, 2005-2016	15.6	401
282	A mechanism for cross-resistance to nifurtimox and benznidazole in trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5022-7	11.5	297
281	Photochemical interactions of methylene blue and analogues with DNA and other biological substrates. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993 , 21, 103-24	6.7	278
280	Reverse saturable absorption in tetraphenylporphyrins. <i>Optics Communications</i> , 1985 , 56, 25-29	2	246
279	The development of ruthenium(ii) polypyridyl complexes and conjugates for in vitro cellular and in vivo applications. <i>Chemical Society Reviews</i> , 2017 , 46, 7706-7756	58.5	240
278	Ruthenium polypyridyl chemistry; from basic research to applications and back again. <i>Dalton Transactions</i> , 2006 , 4869-83	4.3	239
277	Chiral highly luminescent CdS quantum dots. <i>Chemical Communications</i> , 2007 , 3900-2	5.8	210
276	A comparative study of the interaction of 5,10,15,20-tetrakis (N-methylpyridinium-4-yl)porphyrin and its zinc complex with DNA using fluorescence spectroscopy and topoisomerisation. <i>Nucleic Acids Research</i> , 1985 , 13, 167-84	20.1	205
275	A shuttle vector which facilitates the expression of transfected genes in <i>Trypanosoma cruzi</i> and <i>Leishmania</i> . <i>Nucleic Acids Research</i> , 1992 , 20, 3963-9	20.1	195
274	Growth of well-defined ZnO microparticles by hydroxide ion hydrolysis of zinc salts. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1196-1201		190
273	Crystal structures of $[Ru(phen)_2ppz]^{2+}$ with oligonucleotides containing TA/TA and AT/AT steps show two intercalation modes. <i>Nature Chemistry</i> , 2012 , 4, 621-8	17.6	164
272	Trypanocidal drugs: mechanisms, resistance and new targets. <i>Expert Reviews in Molecular Medicine</i> , 2009 , 11, e31	6.7	153
271	A study of some polypyridylruthenium(II) complexes as DNA binders and photocleavage reagents. <i>Photochemistry and Photobiology</i> , 1989 , 49, 545-56	3.6	153
270	Bioluminescence imaging of chronic <i>Trypanosoma cruzi</i> infections reveals tissue-specific parasite dynamics and heart disease in the absence of locally persistent infection. <i>Cellular Microbiology</i> , 2014 , 16, 1285-300	3.9	151
269	A rapid, straight-forward method for controlling the morphology of stable silver nanoparticles. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2459		149

- 268 [Ru(TAP)₂(dppz)]²⁺: a DNA intercalating complex, which luminesces strongly in water and undergoes photo-induced proton-coupled electron transfer with guanosine-5'-monophosphate. *Dalton Transactions*, **2004**, 668-76 4.3 147
- 267 Ruthenium(II) Complexes with 1,4,5,8,9,12-Hexaazatriphenylene and 1,4,5,8-Tetraazaphenanthrene Ligands: Key Role Played by the Photoelectron Transfer in DNA Cleavage and Adduct Formation. *Inorganic Chemistry*, **1995**, 34, 6481-6491 5.1 139
- 266 Versatile solution phase triangular silver nanoplates for highly sensitive plasmon resonance sensing. *ACS Nano*, **2010**, 4, 55-64 16.7 129
- 265 Distinct mitochondrial and cytosolic enzymes mediate trypanothione-dependent peroxide metabolism in *Trypanosoma cruzi*. *Journal of Biological Chemistry*, **2000**, 275, 8220-5 5.4 127
- 264 The effect of processing conditions on varistors prepared from nanocrystalline ZnO. *Journal of Materials Chemistry*, **2003**, 13, 2586-2590 126
- 263 Photoreactions of ruthenium(II) and osmium(II) complexes with deoxyribonucleic acid (DNA). *Journal of Photochemistry and Photobiology B: Biology*, **1997**, 40, 91-106 6.7 123
- 262 Methylene blue photosensitized strand cleavage of DNA: effects of dye binding and oxygen. *Nucleic Acids Research*, **1987**, 15, 7411-27 20.1 123
- 261 Advances in the synthesis of ZnO nanomaterials for varistor devices. *Journal of Materials Chemistry C*, **2013**, 1, 3268 7.1 118
- 260 The interaction of methylene blue, azure B, and thionine with DNA: Formation of complexes with polynucleotides and mononucleotides as model systems. *Biopolymers*, **1995**, 35, 419-433 2.2 114
- 259 The *Trypanosoma cruzi* enzyme TcGPXI is a glycosomal peroxidase and can be linked to trypanothione reduction by glutathione or tryparedoxin. *Journal of Biological Chemistry*, **2002**, 277, 17062-71 5.4 113
- 258 A Simple Sol-Gel Processing for the Development of High-Temperature Stable Photoactive Anatase Titania. *Chemistry of Materials*, **2007**, 19, 4474-4481 9.6 112
- 257 Structure determination of an intercalating ruthenium dipyridophenazine complex which kinks DNA by semiintercalation of a tetraazaphenanthrene ligand. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17610-4 11.5 107
- 256 Ordered DNA wrapping switches on luminescence in single-walled nanotube dispersions. *Journal of the American Chemical Society*, **2008**, 130, 12734-44 16.4 107
- 255 Limited Ability of Posaconazole To Cure both Acute and Chronic *Trypanosoma cruzi* Infections Revealed by Highly Sensitive In Vivo Imaging. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 4653-61 5.9 101
- 254 Resonance Raman Probing of the Interaction between Dipyridophenazine Complexes of Ru(II) and DNA. *Journal of the American Chemical Society*, **1997**, 119, 7130-7136 16.4 101
- 253 Trypanocidal activity of nitroaromatic prodrugs: current treatments and future perspectives. *Current Topics in Medicinal Chemistry*, **2011**, 11, 2072-84 3 96
- 252 Photoaddition of Ru(tap)₂(bpy)₂²⁺ to DNA: A New Mode of Covalent Attachment of Metal Complexes to Duplex DNA. *Journal of the American Chemical Society*, **1997**, 119, 11763-11768 16.4 96
- 251 Photo-induced electron transfer from nucleotides to ruthenium-tris-1,4,5,8-tetraazaphenanthrene: model for photosensitized DNA oxidation. *Photochemistry and Photobiology*, **1992**, 55, 681-9 3.6 96

250	Identification and characterisation of a Leishmania donovani antigen belonging to the 70-kDa heat-shock protein family. <i>FEBS Journal</i> , 1990 , 190, 377-84		96
249	From Ag Nanoprisms to Triangular AuAg Nanoboxes. <i>Advanced Functional Materials</i> , 2010 , 20, 1329-1338	5.6	93
248	Photooxidation of guanine by a ruthenium dipyridophenazine complex intercalated in a double-stranded polynucleotide monitored directly by picosecond visible and infrared transient absorption spectroscopy. <i>Chemistry - A European Journal</i> , 2008 , 14, 369-75	4.8	92
247	The photophysics of fac-[Re(CO) ₃ (dppz)(py)] ⁺ in CH ₃ CN: a comparative picosecond flash photolysis, transient infrared, transient resonance Raman and density functional theoretical study. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 542-54	4.2	92
246	Ruthenium polypyridyl complexes; their interaction with DNA and their role as sensitisers for its photocleavage. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 1821		90
245	Spontaneous Debundling of Single-Walled Carbon Nanotubes in DNA-Based Dispersions. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 66-74	3.8	89
244	Photoreactions of metal complexes with DNA, especially those involving a primary photo-electron transfer. <i>Topics in Current Chemistry</i> , 1996 , 25-76		89
243	Design and synthesis of bioactive adamantane spiro heterocycles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 4358-62	2.9	84
242	Benznidazole-resistance in Trypanosoma cruzi is a readily acquired trait that can arise independently in a single population. <i>Journal of Infectious Diseases</i> , 2012 , 206, 220-8	7	82
241	Synthesis and spectroscopic studies of chiral CdSe quantum dots. <i>Journal of Materials Chemistry</i> , 2010 , 20, 8350		80
240	Synthesis, spectroscopic and biological studies of a fluorescent Pt(II) (terpy) based 1,8-naphthalimide conjugate as a DNA targeting agent. <i>Chemical Communications</i> , 2013 , 49, 8522-4	5.8	78
239	Laser flash photolysis of M(CO) ₆ (M = Cr, Mo, or W) in perfluoromethylcyclohexane. The generation of highly reactive coordinatively unsaturated species. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 3344-3349		78
238	X-ray crystal structure of rac-[Ru(phen) ₂ dppz] ²⁺ with d(ATGCAT) ₂ shows enantiomer orientations and water ordering. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12652-9	16.4	74
237	Self-assembled arrays of ZnO nanoparticles and their application as varistor materials. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1572		74
236	Femtosecond electron-transfer reactions in mono- and polynucleotides and in DNA. <i>Journal of the American Chemical Society</i> , 2002 , 124, 5518-27	16.4	71
235	Pentacarbonylchromium-solvent complexes. <i>Journal of Organometallic Chemistry</i> , 1974 , 69, 259-269	2.3	71
234	Photoadduct between tris(1,4,5,8-tetraazaphenanthrene)ruthenium(II) and guanosine monophosphate: model for a new mode of covalent binding of metal complexes to DNA. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 913-914		69
233	Tracking DNA Excited States by Picosecond-Time-Resolved Infrared Spectroscopy: Signature Band for a Charge-Transfer Excited State in Stacked Adenine-Thymine Systems. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2739-2744	6.4	68

232	Functional characterisation of the iron superoxide dismutase gene repertoire in <i>Trypanosoma brucei</i> . <i>Free Radical Biology and Medicine</i> , 2006 , 40, 198-209	7.8	67
231	Overexpression of cruzipain, the major cysteine proteinase of <i>Trypanosoma cruzi</i> , is associated with enhanced metacyclogenesis. <i>FEBS Journal</i> , 1997 , 244, 596-603		65
230	The gametocyte-activating factor xanthurenic acid stimulates an increase in membrane-associated guanylyl cyclase activity in the human malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2001 , 42, 553-60	4.1	65
229	Flash photolysis of chromium hexacarbonyl in perfluorocarbon solvents. Observation of a highly reactive chromium pentacarbonyl. <i>Journal of the American Chemical Society</i> , 1980 , 102, 1220-1221	16.4	65
228	Etching-resistant silver nanoprisms by epitaxial deposition of a protecting layer of gold at the edges. <i>Langmuir</i> , 2009 , 25, 10165-73	4	63
227	A new experimental model for assessing drug efficacy against <i>Trypanosoma cruzi</i> infection based on highly sensitive in vivo imaging. <i>Journal of Biomolecular Screening</i> , 2015 , 20, 36-43		62
226	Laser flash spectroscopy of methylene blue with nucleic acids. <i>Photochemistry and Photobiology</i> , 1987 , 45, 167-75	3.6	62
225	Photolysis of phosphodiester bonds in plasmid DNA by high intensity UV laser irradiation. <i>Photochemistry and Photobiology</i> , 1988 , 47, 527-36	3.6	62
224	Structure and reactivity of $(\eta^5\text{-C}_5\text{H}_5)_2\text{Mn}(\text{CO})_2$ in room-temperature solution. Evidence for formation of a dinuclear intermediate detected by flash photolysis and time-resolved infrared spectroscopy. <i>Organometallics</i> , 1987 , 6, 2600-2605	3.8	61
223	ps-TRIR covers all the bases--recent advances in the use of transient IR for the detection of short-lived species in nucleic acids. <i>Analyst, The</i> , 2009 , 134, 1265-73	5	60
222	Biochemical characterization of a trypanosome enzyme with glutathione-dependent peroxidase activity. <i>Biochemical Journal</i> , 2000 , 352, 755-761	3.8	59
221	Photoaddition of ruthenium(II)-tris-1,4,5,8-tetraazaphenanthrene to DNA and mononucleotides. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1994 , 23, 69-78	6.7	59
220	Phenotype of recombinant <i>Leishmania donovani</i> and <i>Trypanosoma cruzi</i> which over-express trypanothione reductase. Sensitivity towards agents that are thought to induce oxidative stress. <i>FEBS Journal</i> , 1993 , 218, 29-37		59
219	Benznidazole-resistance in <i>Trypanosoma cruzi</i> : evidence that distinct mechanisms can act in concert. <i>Molecular and Biochemical Parasitology</i> , 2014 , 193, 17-9	1.9	58
218	Repetitive DNA is associated with centromeric domains in <i>Trypanosoma brucei</i> but not <i>Trypanosoma cruzi</i> . <i>Genome Biology</i> , 2007 , 8, R37	18.3	58
217	Isolation, structure, chemistry, and photochemistry of cis-bis(2,2'-bipyridyl)carbonylchlororuthenium(II) perchlorate. <i>Journal of the Chemical Society Chemical Communications</i> , 1980 , 750-751		58
216	Synthesis and photophysical evaluation of a pyridinium 4-amino-1,8-naphthalimide derivative that upon intercalation displays preference for AT-rich double-stranded DNA. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 3033-43	3.9	57
215	Transient spectroscopy of dipyrrophenazine metal complexes which undergo photo-induced electron transfer with DNA. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 2666-2675	23.2	57

214	Functional mapping of a trypanosome centromere by chromosome fragmentation identifies a 16-kb GC-rich transcriptional "strand-switch" domain as a major feature. <i>Genome Research</i> , 2005 , 15, 36-43	9.7	56
213	Picosecond optical phase conjugation using conjugated organic molecules. <i>Chemical Physics</i> , 1988 , 121, 21-39	2.3	56
212	Monitoring one-electron photo-oxidation of guanine in DNA crystals using ultrafast infrared spectroscopy. <i>Nature Chemistry</i> , 2015 , 7, 961-7	17.6	55
211	Magnetic nanoparticle assemblies on denatured DNA show unusual magnetic relaxivity and potential applications for MRI. <i>Chemical Communications</i> , 2004 , 2560-1	5.8	55
210	Spectroscopic studies of structurally similar DNA-binding Ruthenium (II) complexes containing the dipyrrophenazine ligand. <i>Journal of Molecular Structure</i> , 2001 , 598, 15-25	3.4	55
209	Nitroheterocyclic drugs cure experimental <i>Trypanosoma cruzi</i> infections more effectively in the chronic stage than in the acute stage. <i>Scientific Reports</i> , 2016 , 6, 35351	4.9	53
208	Photophysical Study of DNA-Bound Complexes Containing Two Covalently linked [Ru(2,2'-bipyridine) ₃] ²⁺ -Like Centers. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 7206-7213	3.4	53
207	Putting Infection Dynamics at the Heart of Chagas Disease. <i>Trends in Parasitology</i> , 2016 , 32, 899-911	6.4	53
206	Monitoring the effect of ultrafast deactivation of the electronic excited states of DNA bases and polynucleotides following 267 nm laser excitation using picosecond time-resolved infrared spectroscopy. <i>Chemical Communications</i> , 2005 , 1182-4	5.8	52
205	Host and parasite genetics shape a link between <i>Trypanosoma cruzi</i> infection dynamics and chronic cardiomyopathy. <i>Cellular Microbiology</i> , 2016 , 18, 1429-43	3.9	52
204	pTcINDEX: a stable tetracycline-regulated expression vector for <i>Trypanosoma cruzi</i> . <i>BMC Biotechnology</i> , 2006 , 6, 32	3.5	50
203	Microwave induced preparation of a-axis oriented double-ended needle-shaped ZnO microparticles. <i>Chemical Communications</i> , 2004 , 2294-5	5.8	50
202	Design, synthesis, and trypanocidal activity of new aminoadamantane derivatives. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 1496-500	8.3	49
201	Preparation, spectroscopic characterization, and photochemical and electrochemical properties of some bis(2,2'-bipyridyl)ruthenium(II) and tetracarbonyltungsten(0) complexes of 6-p-tolyl-2,2'-bipyridyl and of 6-p-styryl-2,2'-bipyridyl and its copolymers. <i>Inorganic Chemistry</i> , 1983 , 22, 2818-2824	5.1	49
200	Drug Discovery for Kinetoplastid Diseases: Future Directions. <i>ACS Infectious Diseases</i> , 2019 , 5, 152-157	5.5	49
199	Laser pulse photolysis and transient infrared investigation into the effect of solvent or substituents (X) on the reactivity of photogenerated benzenechromium ($\eta^6\text{-C}_6\text{H}_6\text{-yXy}$)Cr(CO) ₂ intermediates. <i>Organometallics</i> , 1993 , 12, 3127-3131	3.8	48
198	Photochemically active DNA-intercalating ruthenium and related complexes - insights by combining crystallography and transient spectroscopy. <i>Chemical Science</i> , 2017 , 8, 4705-4723	9.4	47
197	Highly sensitive in vivo imaging of <i>Trypanosoma brucei</i> expressing "red-shifted" luciferase. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2571	4.8	47

196	Microwave-assisted synthesis of ZnO micro-javelins. <i>Journal of Materials Chemistry</i> , 2009 , 19, 9250		47
195	The effect of the 4-amino functionality on the photophysical and DNA binding properties of alkyl-pyridinium derived 1,8-naphthalimides. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 5642-55	3.9	45
194	Binding of bimetallic 1,10-phenanthroline ruthenium(II) complexes to DNA. <i>New Journal of Chemistry</i> , 1998 , 22, 215-217	3.6	45
193	Transient resonance Raman investigation of excited states of [Ru(phen) ₂ dppz] ²⁺ and deuterated analogues in aqueous and non-aqueous environments. <i>Journal of Raman Spectroscopy</i> , 2000 , 31, 283-288 ^{2,3}		45
192	High performance ZnO varistors prepared from nanocrystalline precursors for miniaturised electronic devices. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3926		44
191	Unusual photophysical switching in a Ru(II) diimine DNA probe caused by amide functionalisation. <i>Dalton Transactions</i> , 2004 , 13-5	4.3	44
190	Direct observation by time-resolved infrared spectroscopy of the bright and the dark excited states of the [Ru(phen)(dppz)] light-switch compound in solution and when bound to DNA. <i>Chemical Science</i> , 2016 , 7, 3075-3084	9.4	43
189	Picosecond transient infrared study of the ultrafast deactivation processes of electronically excited B-DNA and Z-DNA forms of [poly(dG-dC)] ₂ . <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 123-7	16.4	43
188	Photochemistry of (β-arene)Mo(CO) ₃ and the Role of Alkane Solvents in Modifying the Reactions of Coordinatively Unsaturated Metal Carbonyl Fragments. <i>Organometallics</i> , 1998 , 17, 3690-3695	3.8	43
187	Interaction of a series of bimetallic ruthenium(II) bipyridyl complexes with DNA. <i>Chemical Communications</i> , 1996 , 1013	5.8	43
186	Synthesis and spectroscopic characterisation of [Ru(bpy) ₂ (CO) ₂](PF) ₆) ₂ . <i>Inorganica Chimica Acta</i> , 1982 , 64, L75-L76	2.7	43
185	Evidence on the chromosomal location of centromeric DNA in Plasmodium falciparum from etoposide-mediated topoisomerase-II cleavage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6706-11	11.5	42
184	Photophysical study of a family of [Ru(phen) ₂ (Me n dpq)] ²⁺ complexes in different solvents and DNA: a specific water effect promoted by methyl substitution. <i>Dalton Transactions</i> , 2005 , 1123-8	4.3	42
183	Preparation, spectroscopic characterisation, electrochemical and photochemical properties of cis-bis(2,2'-bipyridyl)carbonylruthenium(II) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986 , 253-258		42
182	Multicomponent reaction-based synthesis and biological evaluation of tricyclic heterofused quinolines with multi-trypanosomatid activity. <i>European Journal of Medicinal Chemistry</i> , 2015 , 105, 120-37 ^{6,8}		41
181	The role of glutathione peroxidases in trypanosomatids. <i>Biological Chemistry</i> , 2003 , 384, 517-25	4.5	41
180	The interaction of photo-excited chlorophyll a with duroquinone, 6-tocopherylquinone and vitamin K 1. <i>Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences</i> , 1970 , 319, 319-329		41
179	Observation of pentacarbonylchromium on flash photolysis of hexacarbonylchromium in cyclohexane solution. <i>Journal of the Chemical Society Chemical Communications</i> , 1973 , 105		41

178	Genetic dissection of drug resistance in trypanosomes. <i>Parasitology</i> , 2013 , 140, 1478-91	2.7	40
177	Preparation of saline-stable, silica-coated triangular silver nanoplates of use for optical sensing. <i>Journal of Colloid and Interface Science</i> , 2014 , 415, 77-84	9.3	39
176	A comparative picosecond transient infrared study of 1-methylcytosine and 5'-dCMP that sheds further light on the excited states of cytosine derivatives. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4212-5	16.4	39
175	Ultrafast IR spectroscopy of the short-lived transients formed by UV excitation of cytosine derivatives. <i>Chemical Communications</i> , 2007 , 2130-2	5.8	38
174	Preparation of magnetic nanoparticles and their assemblies using a new Fe(II) alkoxide precursor. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2937-2939		37
173	AcidBase chemistry of polypyridyl ruthenium compounds of (pyridin-2?-yl)-1,2,4-triazoles. X-Ray crystal structure of bis(2,2?-bipyridine)[3-methyl-5-(pyridin-2?-yl)-1,2,4-triazolato-N1]ruthenium hexafluorophosphate tetrahydrate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990 , 2425-2431		36
172	Substituted dipyridophenazine complexes of Cr(III): synthesis, enantiomeric resolution and binding interactions with calf thymus DNA. <i>Dalton Transactions</i> , 2010 , 39, 3990-8	4.3	35
171	Medium dependence of the spectroscopic and photophysical properties of Ru(bpy) ₂ (HAT) ₂ ⁺ . The effect of solvent, pH and binding to polyelectrolytes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991 , 60, 27-45	4.7	35
170	Supramolecular approach to enantioselective DNA recognition using enantiomerically resolved cationic 4-amino-1,8-naphthalimide-based Tröger's bases. <i>Journal of Organic Chemistry</i> , 2014 , 79, 9272-834 ²		34
169	Design and synthesis of bioactive 1,2-annulated adamantane derivatives. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 3177-85	3.9	33
168	Combination of phthalocyanine and fullerene moieties for optical limiting. <i>Chemical Physics Letters</i> , 2006 , 428, 307-311	2.5	33
167	Photophysics and photochemistry of metal polypyridyl and related complexes with nucleic acids 1998 , 163-216		33
166	Understanding the DNA binding of novel non-symmetrical guanidinium/2-aminoimidazolium derivatives. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 5558-67	3.9	32
165	Centromere-associated topoisomerase activity in bloodstream form <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2011 , 39, 1023-33	20.1	32
164	Enhanced third-order optical nonlinearity of silver nanoparticles with a tunable surface plasmon resonance. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 66-8	1.3	32
163	Femtosecond deactivation of thionine singlet states by mononucleotides and polynucleotides. <i>Chemical Physics Letters</i> , 1994 , 226, 517-524	2.5	32
162	Genome-wide mutagenesis and multi-drug resistance in American trypanosomes induced by the front-line drug benznidazole. <i>Scientific Reports</i> , 2017 , 7, 14407	4.9	31
161	Biological factors that impinge on Chagas disease drug development. <i>Parasitology</i> , 2017 , 144, 1871-1880.7		31

160	Synthesis and pharmacological evaluation of several ring-contracted amantadine analogs. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 9925-36	3.4	31
159	Novel lipophilic acetohydroxamic acid derivatives based on conformationally constrained spiro carbocyclic 2,6-diketopiperazine scaffolds with potent trypanocidal activity. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 5250-4	8.3	30
158	Excited state dependent electron transfer of a rhenium-dipyridophenazine complex intercalated between the base pairs of DNA: a time-resolved UV-visible and IR absorption investigation into the photophysics of fac-[Re(CO) ₃ (F2dppz)(py)] ⁺ bound to either [poly(dA-dT)] ₂ or [poly(dG-dC)] ₂ . <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1355-64	4.2	30
157	Solvent dependent photophysics of fac-[Re(CO) ₃ (11,12-X(2)dppz)(py)] ⁺ (X = H, F or Me). <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 741-8	4.2	30
156	Luminescent ruthenium polypyridyl complexes with extended 'dppz' like ligands as DNA targeting binders and cellular agents. <i>Dalton Transactions</i> , 2016 , 45, 18208-18220	4.3	29
155	Reversal of a Single Base-Pair Step Controls Guanine Photo-Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8364-8	16.4	29
154	The anti-influenza virus drug rimantadine has trypanocidal activity. <i>Antimicrobial Agents and Chemotherapy</i> , 1999 , 43, 985-7	5.9	29
153	Resonance-Raman probing of the interaction between dipyridophenazine complexes of ruthenium(II) and DNA. <i>Chemical Communications</i> , 1996 , 35	5.8	29
152	Design and synthesis of bioactive adamantan aminoalcohols and adamantan amines. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 5022-30	6.8	28
151	Reduction of dipyrido-[3,2-a:2',3'-c]-phenazine (dppz) by photolysis in ethanol solution. <i>Chemical Communications</i> , 2005 , 1402-4	5.8	28
150	Preparation, reactions and photoreaction of Bis(bipyridyl)poly-4-vinylpyridineruthenium(II) complexes. <i>Inorganica Chimica Acta</i> , 1979 , 33, L139-L140	2.7	28
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8	Incomplete recruitment of protective T cells facilitates <i>Trypanosoma cruzi</i> persistence in the mouse colon		1
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6	Synthesis, antiproliferative and antitrypanosomal activities, and DNA binding of novel 6-amidino-2-arylbenzothiazoles. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 1952-1967	5.6	0
5	Local association of <i>Trypanosoma cruzi</i> chronic infection foci and enteric neuropathic lesions at the tissue micro-domain scale. <i>PLoS Pathogens</i> , 2021 , 17, e1009864	7.6	0
4	Key Role of Aspect Ratio in Optimising Local Surface Plasmon Sensitivities of Solution Phase Triangular Silver Nanoplates. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1208, 1		
3	Synthesis and Biological Evaluation of Heteroarylnonanenitriles as Potential Antitrypanosomal Agents: Serendipitous Discovery of Novel Anticholinesterase Hits. <i>Letters in Organic Chemistry</i> , 2018 , 15, 455-461	0.6	
2	A Time-resolved Vibrational Spectroscopy Study on Adenine/Thymine Based Nucleic Acid Systems. <i>Springer Series in Chemical Physics</i> , 2009 , 595-597	0.3	
1	Probing Adamantane Arylhydroxamic Acids against <i>Trypanosoma brucei</i> and <i>Trypanosoma cruzi</i> . <i>MolBank</i> , 2022 , 2022, M1363	0.5	