John M Kelly

List of Publications by Year
in descending order

287 papers	15,617 citations	14655 66 h-index	23533 111 g-index
302 all docs	302 docs citations	302 times ranked	13618 citing authors

#	Article	IF	Citations
1	A study of the interactions of some polypyridylruthenium(II) complexes with DNA using fluorescence spectroscopy, topoisomerisation and thermal denaturation. Nucleic Acids Research, 1985, 13, 6017-6034.	14.5	846
2	Recent advances in the development of 1,8-naphthalimide based DNA targeting binders, anticancer and fluorescent cellular imaging agents. Chemical Society Reviews, 2013, 42, 1601.	38.1	588
3	Optical Properties and Growth Aspects of Silver Nanoprisms Produced by a Highly Reproducible and Rapid Synthesis at Room Temperature. Advanced Functional Materials, 2008, 18, 2005-2016.	14.9	451
4	A mechanism for cross-resistance to nifurtimox and benznidazole in trypanosomes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5022-5027.	7.1	370
5	The development of ruthenium(<scp>ii</scp>) polypyridyl complexes and conjugates forin vitrocellular andin vivoapplications. Chemical Society Reviews, 2017, 46, 7706-7756.	38.1	326
6	New trends in photobiology. Journal of Photochemistry and Photobiology B: Biology, 1993, 21, 103-124.	3.8	317
7	Reverse saturable absorption in tetraphenylporphyrins. Optics Communications, 1985, 56, 25-29.	2.1	281
8	Ruthenium polypyridyl chemistry; from basic research to applications and back again. Dalton Transactions, 2006, , 4869.	3.3	250
9	Chiral highly luminescent CdS quantum dots. Chemical Communications, 2007, , 3900.	4.1	243
10	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. Nucleic Acids Research, 1985, 13, 167-184.	14.5	227
11	Bioluminescence imaging of chronic <scp> T </scp> rypanosoma cruzi infections reveals tissueâ€specific parasite dynamics and heart disease in the absence of locally persistent infection. Cellular Microbiology, 2014, 16, 1285-1300.	2.1	210
12	A shuttle vector which facilitates the expression of transfected genes inTrypanosoma cruzi and Leishmania. Nucleic Acids Research, 1992, 20, 3963-3969.	14.5	206
13	Growth of well-defined ZnO microparticles by hydroxide ion hydrolysis of zinc saltsElectronic supplementary information (ESI) available: SEM images of initial precipitate and of particles formed by Method A. See http://www.rsc.org/suppdata/jm/b2/b211723c/. Journal of Materials Chemistry, 2003, 13, 1196-1201.	6.7	202
14	Trypanocidal drugs: mechanisms, resistance and new targets. Expert Reviews in Molecular Medicine, 2009, 11, e31.	3.9	191
15	Crystal structures of Î›-[Ru(phen)2dppz]2+ with oligonucleotides containing TA/TA and AT/AT steps show two intercalation modes. Nature Chemistry, 2012, 4, 621-628.	13.6	182
16	A STUDY OF SOME POLYPYRIDYLRUTHENIUM(II) COMPLEXES AS DNA BINDERS AND PHOTOCLEAVAGE REAGENTS. Photochemistry and Photobiology, 1989, 49, 545-556.	2.5	176
17	A rapid, straight-forward method for controlling the morphology of stable silver nanoparticles. Journal of Materials Chemistry, 2007, 17, 2459.	6.7	163
18	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.	4.0	161

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19	[Ru(TAP)2(dppz)]2+: a DNA intercalating complex, which luminesces strongly in water and undergoes photo-induced proton-coupled electron transfer with guanosine-5â€²-monophosphate. Dalton Transactions, 2004, , 668-676.	3.3	155
20	Versatile Solution Phase Triangular Silver Nanoplates for Highly Sensitive Plasmon Resonance Sensing. ACS Nano, 2010, 4, 55-64.	14.6	150
21	Distinct Mitochondrial and Cytosolic Enzymes Mediate Trypanothione-dependent Peroxide Metabolism in Trypanosoma cruzi. Journal of Biological Chemistry, 2000, 275, 8220-8225.	3.4	149
22	Advances in the synthesis of ZnO nanomaterials for varistor devices. Journal of Materials Chemistry C, 2013, 1, 3268.	5.5	139
23	The effect of processing conditions on varistors prepared from nanocrystalline ZnO. Journal of Materials Chemistry, 2003, 13, 2586-2590.	6.7	138
24	Photoreactions of ruthenium (II) and osmium (II) complexes with deoxyribonucleic acid (DNA). Journal of Photochemistry and Photobiology B: Biology, 1997, 40, 91-106.	3.8	137
25	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.	2.4	130
26	Methylene blue photosensitised strand cleavage of DNA: effects of dye binding and oxygen. Nucleic Acids Research, 1987, 15, 7411-7427.	14.5	128
27	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, 17062-17071.	3.4	127
28	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, 4653-4661.	3.2	124
29	A Simple Solâ^'Gel Processing for the Development of High-Temperature Stable Photoactive Anatase Titania. Chemistry of Materials, 2007, 19, 4474-4481.	6.7	122
30	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, 17610-17614.	7.1	122
31	Ordered DNA Wrapping Switches on Luminescence in Single-Walled Nanotube Dispersions. Journal of the American Chemical Society, 2008, 130, 12734-12744.	13.7	119
32	Identification and characterisation of a Leishmania donovani antigen belonging to the 70-kDa heat-shock protein family. FEBS Journal, 1990, 190, 377-384.	0.2	117
33	Benznidazole-Resistance in Trypanosoma cruzi Is a Readily Acquired Trait That Can Arise Independently in a Single Population. Journal of Infectious Diseases, 2012, 206, 220-228.	4.0	115
34	Resonance Raman Probing of the Interaction between Dipyridophenazine Complexes of Ru(II) and DNA. Journal of the American Chemical Society, 1997, 119, 7130-7136.	13.7	110
35	PHOTOâ€INDUCED ELECTRON TRANSFER FROM NUCLEOTIDES TO RUTHENIUMâ€TRISâ€1,4,5,8TETRAAZAPHENANTHRENE: MODEL FOR PHOTOSENSITIZED DNA OXIDATION. Photochemistry and Photobiology, 1992, 55, 681-689.	2.5	109
36	Trypanocidal Activity of Nitroaromatic Prodrugs: Current Treatments and Future Perspectives. Current Topics in Medicinal Chemistry, 2011, 11, 2072-2084.	2.1	108

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37	Photoaddition of Ru(tap)2(bpy)2+to DNA:Â A New Mode of Covalent Attachment of Metal Complexes to Duplex DNA. Journal of the American Chemical Society, 1997, 119, 11763-11768.	13.7	106
38	Photoreactions of metal complexes with DNA, especially those involving a primary photo-electron transfer. Topics in Current Chemistry, 1996, , 25-76.	4.0	104
39	Ruthenium polypyridyl complexes; their interaction with DNA and their role as sensitisers for its photocleavage. Journal of the Chemical Society Chemical Communications, 1987, , 1821.	2.0	100
40	From Ag Nanoprisms to Triangular AuAg Nanoboxes. Advanced Functional Materials, 2010, 20, 1329-1338.	14.9	100
41	The photophysics of fac-[Re(CO)3(dppz)(py)]+ in CH3CN: a comparative picosecond flash photolysis, transient infrared, transient resonance Raman and density functional theoretical studyDedicated to the memory of Nobel Laureate, Lord George Porter FRSC FRS OM.. Photochemical and Photobiological Sciences, 2003, 2, 542.	2.9	95
42	Photooxidation of Guanine by a Ruthenium Dipyridophenazine Complex Intercalated in a Doubleâ€Stranded Polynucleotide Monitored Directly by Picosecond Visible and Infrared Transient Absorption Spectroscopy. Chemistry - A European Journal, 2008, 14, 369-375.	3.3	95
43	Spontaneous Debundling of Single-Walled Carbon Nanotubes in DNA-Based Dispersions. Journal of Physical Chemistry C, 2007, 111, 66-74.	3.1	93
44	A New Experimental Model for Assessing Drug Efficacy against Trypanosoma cruzi Infection Based on Highly Sensitive In Vivo Imaging. Journal of Biomolecular Screening, 2015, 20, 36-43.	2.6	91
45	Design and synthesis of bioactive adamantane spiro heterocycles. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4358-4362.	2.2	90
46	Synthesis and spectroscopic studies of chiral CdSe quantum dots. Journal of Materials Chemistry, 2010, 20, 8350.	6.7	87
47	Synthesis, spectroscopic and biological studies of a fluorescent Pt(ii) (terpy) based 1,8-naphthalimide conjugate as a DNA targeting agent. Chemical Communications, 2013, 49, 8522.	4.1	86
48	X-ray Crystal Structure of rac-[Ru(phen)₂dppz]²⁺ with d(ATGCAT)₂ Shows Enantiomer Orientations and Water Ordering. Journal of the American Chemical Society, 2013, 135, 12652-12659.	13.7	83
49	Putting Infection Dynamics at the Heart of Chagas Disease. Trends in Parasitology, 2016, 32, 899-911.	3.3	83
50	Benznidazole-resistance in Trypanosoma cruzi: Evidence that distinct mechanisms can act in concert. Molecular and Biochemical Parasitology, 2014, 193, 17-19.	1.1	82
51	Laser flash photolysis of M(CO)6 (M = Cr, Mo, or W) in perfluoromethylcyclohexane. The generation of highly reactive coordinatively unsaturated species. The Journal of Physical Chemistry, 1983, 87, 3344-3349.	2.9	81
52	The gametocyte-activating factor xanthurenic acid stimulates an increase in membrane-associated guanylyl cyclase activity in the human malaria parasite Plasmodium falciparum. Molecular Microbiology, 2001, 42, 553-560.	2.5	80
53	Self-assembled arrays of ZnO nanoparticles and their application as varistor materialsElectronic supplementary information (ESI) available: XRD plots and FESEM images. See http://www.rsc.org/suppdata/jm/b4/b400927d/. Journal of Materials Chemistry, 2004, 14, 1572.	6.7	80
54	Overexpression of Cruzipain, the Major Cysteine Proteinase of Trypanosoma cruzi, is Associated with Enhanced Metacyclogenesis. FEBS Journal, 1997, 244, 596-603.	0.2	79

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55	Femtosecond Electron-Transfer Reactions in Mono- and Polynucleotides and in DNA. Journal of the American Chemical Society, 2002, 124, 5518-5527.	13.7	78
56	Host and parasite genetics shape a link between Trypanosoma cruzi infection dynamics and chronic cardiomyopathy. Cellular Microbiology, 2016, 18, 1429-1443.	2.1	78
57	Drug Discovery for Kinetoplastid Diseases: Future Directions. ACS Infectious Diseases, 2019, 5, 152-157.	3.8	78
58	Pentacarbonylchromium-solvent complexes. Journal of Organometallic Chemistry, 1974, 69, 259-269.	1.8	75
59	Functional characterisation of the iron superoxide dismutase gene repertoire in Trypanosoma brucei. Free Radical Biology and Medicine, 2006, 40, 198-209.	2.9	75
60	Tracking DNA Excited States by Picosecond-Time-Resolved Infrared Spectroscopy: Signature Band for a Charge-Transfer Excited State in Stacked Adenineâ€“Thymine Systems. Journal of Physical Chemistry Letters, 2013, 4, 2739-2744.	4.6	75
61	Nitroheterocyclic drugs cure experimental Trypanosoma cruzi infections more effectively in the chronic stage than in the acute stage. Scientific Reports, 2016, 6, 35351.	3.3	72
62	Structure and reactivity of (.eta.5-C5H5)Mn(CO)2 in room-temperature solution. Evidence for formation of a dinuclear intermediate detected by flash photolysis and time-resolved infrared spectroscopy. Organometallics, 1987, 6, 2600-2605.	2.3	70
63	Photoadduct between tris(1,4,5,8-tetraazaphenanthrene)ruthenium(II) and guanosine monophosphateâ€“a model for a new mode of covalent binding of metal complexes to DNA. Journal of the Chemical Society Chemical Communications, 1995, , 913-914.	2.0	70
64	Flash photolysis of chromium hexacarbonyl in perfluorocarbon solvents. Observation of a highly reactive chromium pentacarbonyl. Journal of the American Chemical Society, 1980, 102, 1220-1221.	13.7	69
65	Phenotype of recombinant Leishmania donovani and Trypanosoma cruzi which over-express trypanothione reductase. Sensitivity towards agents that are thought to induce oxidative stress. FEBS Journal, 1993, 218, 29-37.	0.2	69
66	Etching-Resistant Silver Nanoprisms by Epitaxial Deposition of a Protecting Layer of Gold at the Edges. Langmuir, 2009, 25, 10165-10173.	3.5	69
67	LASER FLASH SPECTROSCOPY OF METHYLENE BLUE WITH NUCLEIC ACIDS. Photochemistry and Photobiology, 1987, 45, 167-175.	2.5	67
68	Repetitive DNA is associated with centromeric domains in Trypanosoma brucei but not Trypanosoma cruzi. Genome Biology, 2007, 8, R37.	9.6	67
69	PHOTOLYSIS OF PHOSPHODIESTER BONDS IN PLASMID DNA BY HIGH INTENSITY UV LASER IRRADIATION. Photochemistry and Photobiology, 1988, 47, 527-536.	2.5	66
70	Photoaddition of ruthenium(II)-tris-1,4,5,8-tetraazaphenanthrene to DNA and mononucleotides. Journal of Photochemistry and Photobiology B: Biology, 1994, 23, 69-78.	3.8	64
71	Photochemically active DNA-intercalating ruthenium and related complexes â€“ insights by combining crystallography and transient spectroscopy. Chemical Science, 2017, 8, 4705-4723.	7.4	63
72	ps-TRIR covers all the bases â€“ recent advances in the use of transient IR for the detection of short-lived species in nucleic acids. Analyst, The, 2009, 134, 1265.	3.5	62

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73	Synthesis and photophysical evaluation of a pyridinium 4-amino-1,8-naphthalimide derivative that upon intercalation displays preference for AT-rich double-stranded DNA. Organic and Biomolecular Chemistry, 2012, 10, 3033.	2.8	62
74	Biochemical characterization of a trypanosome enzyme with glutathione-dependent peroxidase activity. Biochemical Journal, 2000, 352, 755-761.	3.7	61
75	Isolation, structure, chemistry, and photochemistry of cis-bis(2,2â€²-bipyridyl)carbonylchlororuthenium(II) perchlorate. Journal of the Chemical Society Chemical Communications, 1980, , 750-751.	2.0	60
76	Magnetic nanoparticle assemblies on denatured DNA show unusual magnetic relaxivity and potential applications for MRI. Chemical Communications, 2004, , 2560.	4.1	60
77	Picosecond optical phase conjugation using conjugated organic molecules. Chemical Physics, 1988, 121, 21-39.	1.9	59
78	Laser pulse photolysis and transient infrared investigation into the effect of solvent or substituents (X) on the reactivity of photogenerated benzenechromium (.eta.6-C6H6-yXy)Cr(CO)2 intermediates. Organometallics, 1993, 12, 3127-3131.	2.3	59
79	Transient spectroscopy of dipyridophenazine metal complexes which undergo photo-induced electron transfer with DNA. Coordination Chemistry Reviews, 2011, 255, 2666-2675.	18.8	59
80	Monitoring one-electron photo-oxidation of guanine in DNA crystals using ultrafast infrared spectroscopy. Nature Chemistry, 2015, 7, 961-967.	13.6	59
81	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. Inorganic Chemistry, 1983, 22, 2818-2824.	4.0	58
82	Spectroscopic studies of structurally similar DNA-binding Ruthenium (II) complexes containing the dipyridophenazine ligand. Journal of Molecular Structure, 2001, 598, 15-25.	3.6	58
83	Photochemistry of (Î·6-arene)Mo(CO)3and the Role of Alkane Solvents in Modifying the Reactions of Coordinatively Unsaturated Metal Carbonyl Fragments. Organometallics, 1998, 17, 3690-3695.	2.3	57
84	Photophysical Study of DNA-Bound Complexes Containing Two Covalently linked [Ru(2,2â€˜-bipyridine)3]2+-Like Centers. Journal of Physical Chemistry B, 2000, 104, 7206-7213.	2.6	57
85	Functional mapping of a trypanosome centromere by chromosome fragmentation identifies a 16-kb GC-rich transcriptional "strand-switch" domain as a major feature. Genome Research, 2005, 15, 36-43.	5.5	57
86	pTcINDEX: a stable tetracycline-regulated expression vector for Trypanosoma cruzi. , 2006, 6, 32.		57
87	Highly Sensitive In Vivo Imaging of Trypanosoma brucei Expressing â€œRed-Shiftedâ€•Luciferase. PLoS Neglected Tropical Diseases, 2013, 7, e2571.	3.0	56
88	Design, Synthesis, and Trypanocidal Activity of New Aminoadamantane Derivatives. Journal of Medicinal Chemistry, 2008, 51, 1496-1500.	6.4	55
89	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. Chemical Communications, 2005, , 1182.	4.1	54
90	Microwave induced preparation of a-axis oriented double-ended needle-shaped ZnO microparticles. Chemical Communications, 2004, , 2294.	4.1	53

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91	Multicomponent reaction-based synthesis and biological evaluation of tricyclic heterofused quinolines with multi-trypanosomatid activity. European Journal of Medicinal Chemistry, 2015, 105, 120-137.	5.5	52
92	Direct observation by time-resolved infrared spectroscopy of the bright and the dark excited states of the [Ru(phen)₂(dppz)]²⁺ light-switch compound in solution and when bound to DNA. Chemical Science, 2016, 7, 3075-3084.	7.4	52
93	Microwave-assisted synthesis of ZnO micro-javelins. Journal of Materials Chemistry, 2009, 19, 9250.	6.7	51
94	The effect of the 4-amino functionality on the photophysical and DNA binding properties of alkyl-pyridinium derived 1,8-naphthalimides. Organic and Biomolecular Chemistry, 2013, 11, 5642.	2.8	51
95	Binding of bimetallic 1,10-phenanthroline ruthenium(II) complexes to DNA. New Journal of Chemistry, 1998, 22, 215-217.	2.8	50
96	Observation of pentacarbonylchromium on flash photolysis of hexacarbonylchromium in cyclohexane solution. Journal of the Chemical Society Chemical Communications, 1973, , 105.	2.0	49
97	Evidence on the chromosomal location of centromeric DNA in Plasmodium falciparum from etoposide-mediated topoisomerase-II cleavage. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6706-6711.	7.1	49
98	Picosecond Transient Infrared Study of the Ultrafast Deactivation Processes of Electronically Excited Bâ€ĐNA and Zâ€ĐNA Forms of [poly(dGâ€dC)]₂. Angewandte Chemie - International Edition, 2009, 48, 123-127.	13.8	48
99	A Comparative Picosecond Transient Infrared Study of 1-Methylcytosine and 5â€²-dCMP That Sheds Further Light on the Excited States of Cytosine Derivatives. Journal of the American Chemical Society, 2011, 133, 4212-4215.	13.7	48
100	Preparation of saline-stable, silica-coated triangular silver nanoplates of use for optical sensing. Journal of Colloid and Interface Science, 2014, 415, 77-84.	9.4	48
101	Ultrafast IR spectroscopy of the short-lived transients formed by UV excitation of cytosine derivatives. Chemical Communications, 2007, , 2130.	4.1	47
102	Genetic dissection of drug resistance in trypanosomes. Parasitology, 2013, 140, 1478-1491.	1.5	47
103	64, L75-L76.	2.4	46
104	Interaction of a series of bimetallic ruthenium(II) bipyridyl complexes with DNA. Chemical Communications, 1996, , 1013.	4.1	46
105	Transient resonance Raman investigation of excited states of [Ru(phen)2dppz]2+ and deuterated analogues in aqueous and non-aqueous environments. Journal of Raman Spectroscopy, 2000, 31, 283-288.	2.5	46
106	The Role of Glutathione Peroxidases in Trypanosomatids. Biological Chemistry, 2003, 384, 517-25.	2.5	45
107	Unusual photophysical switching in a Ru(ii) diimine DNA probe caused by amide functionalisation. Dalton Transactions, 2004, , 13.	3.3	45
108	High performance ZnO varistors prepared from nanocrystalline precursors for miniaturised electronic devices. Journal of Materials Chemistry, 2008, 18, 3926.	6.7	45

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109	Biological factors that impinge on Chagas disease drug development. Parasitology, 2017, 144, 1871-1880.	1.5	45
110	Preparation, spectroscopic characterisation, electrochemical and photochemical properties of cis-bis(2,2â€²-bipyridyl)carbonylruthenium(II) complexes. Journal of the Chemical Society Dalton Transactions, 1986, , 253-258.	1.1	44
111	The interaction of photo-excited chlorophyll a with duroquinone, Î± -tocopherylquinone and vitamin K 1. Proceedings of the Royal Society of London Series A, Mathematical and Physical Sciences, 1970, 319, 319-329.	1.4	43
112	Medium dependence of the spectroscopic and photophysical properties of Ru(bpy)2(HAT)2+. The effect of solvent, pH and binding to polyelectrolytes. Journal of Photochemistry and Photobiology A: Chemistry, 1991, 60, 27-45.	3.9	43
113	Preparation of magnetic nanoparticles and their assemblies using a new Fe(II) alkoxide precursor. Journal of Materials Chemistry, 2001, 11, 2937-2939.	6.7	43
114	Photophysical study of a family of [Ru(phen)2(Mendpq)]2+ complexes in different solvents and DNA: a specific water effect promoted by methyl substitution. Dalton Transactions, 2005, , 1123.	3.3	43
115	Acidâ€“base chemistry of polypyridyl ruthenium compounds of (pyridin-2â€²-yl)-1,2,4-triazoles. X-Ray crystal structure of bis(2,2â€²-bipyridine)[3-methyl-5-(pyridin-2â€²-yl)-1,2,4-triazolato-N1]ruthenium hexafluorophosphate tetrahydrate. Journal of the Chemical Society Dalton Transactions, 1990, , 2425-2431.	1.1	42
116	Genome-wide mutagenesis and multi-drug resistance in American trypanosomes induced by the front-line drug benznidazole. Scientific Reports, 2017, 7, 14407.	3.3	41
117	In Vivo Analysis of Trypanosoma cruzi Persistence Foci at Single-Cell Resolution. MBio, 2020, 11, .	4.1	40
118	Supramolecular Approach to Enantioselective DNA Recognition Using Enantiomerically Resolved Cationic 4-Amino-1,8-naphthalimide-Based TrÃ¶gerâ€™s Bases. Journal of Organic Chemistry, 2014, 79, 9272-9283.	3.2	39
119	Substituted dipyridophenazine complexes of Cr(iii): Synthesis, enantiomeric resolution and binding interactions with calf thymus DNA. Dalton Transactions, 2010, 39, 3990.	3.3	38
120	Solar photocatalytic disinfection of E. coli and bacteriophages MS2, Î¦X174 and PR772 using TiO 2 , ZnO and ruthenium based complexes in a continuous flow system. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 79-90.	3.8	38
121	Centromere-associated topoisomerase activity in bloodstream form Trypanosoma brucei. Nucleic Acids Research, 2011, 39, 1023-1033.	14.5	37
122	Enhanced Third-Order Optical Nonlinearity of Silver Nanoparticles with a Tunable Surface Plasmon Resonance. Journal of Nanoscience and Nanotechnology, 2004, 4, 66-68.	0.9	36
123	Understanding the DNA binding of novel non-symmetrical guanidinium/2-aminoimidazolinium derivatives. Organic and Biomolecular Chemistry, 2010, 8, 5558.	2.8	36
124	Imaging the development of chronic Chagas disease after oral transmission. Scientific Reports, 2018, 8, 11292.	3.3	36
125	Triangular Silver Nanoparticles: Their Preparation, Functionalisation and Properties. Acta Physica Polonica A, 2012, 122, 337-345.	0.5	36
126	Combination of phthalocyanine and fullerene moieties for optical limiting. Chemical Physics Letters, 2006, 428, 307-311.	2.6	35

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127	Design and synthesis of bioactive 1,2-annulated adamantane derivatives. Organic and Biomolecular Chemistry, 2008, 6, 3177.	2.8	35
128	Preparation, reactions and photoreaction of Bis(bipyridyl)poly-4-vinylpyridineruthenium(II) complexes. Inorganica Chimica Acta, 1979, 33, L139-L140.	2.4	34
129	Novel Lipophilic Acetohydroxamic Acid Derivatives Based on Conformationally Constrained Spiro Carbocyclic 2,6-Diketopiperazine Scaffolds with Potent Trypanocidal Activity. Journal of Medicinal Chemistry, 2011, 54, 5250-5254.	6.4	34
130	Luminescent ruthenium polypyridyl complexes with extended â€˜dppzâ€™ like ligands as DNA targeting binders and cellular agents. Dalton Transactions, 2016, 45, 18208-18220.	3.3	34
131	cis-[Ru(bpy)2(CO)H]+?A Possible Intermediate in the Photochemical Production of H2 from Water Catalyzed by [Ru(bpy)3]2+?. Angewandte Chemie International Edition in English, 1982, 21, 628-629.	4.4	33
132	Femtosecond deactivation of thionine singlet states by mononucleotides and polynucleotides. Chemical Physics Letters, 1994, 226, 517-524.	2.6	33
133	Photophysics and photochemistry of metal polypyridyl and related complexes with nucleic acids. , 1998, , 163-216.		33
134	The Anti-Influenza Virus Drug Rimantadine Has Trypanocidal Activity. Antimicrobial Agents and Chemotherapy, 1999, 43, 985-987.	3.2	33
135	Synthesis and pharmacological evaluation of several ring-contracted amantadine analogs. Bioorganic and Medicinal Chemistry, 2008, 16, 9925-9936.	3.0	33
136	Challenges in Chagas Disease Drug Development. Molecules, 2020, 25, 2799.	3.8	33
137	Reduction of dipyrido-[3,2-a:2â€²,3â€²-c]-phenazine (dppz) by photolysis in ethanol solution. Chemical Communications, 2005, , 1402-1404.	4.1	32
138	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. Photochemical and Photobiological Sciences, 2011, 10, 1355.	2.9	32
139	Reversal of a Single Baseâ€Pair Step Controls Guanine Photoâ€Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. Angewandte Chemie - International Edition, 2015, 54, 8364-8368.	13.8	32
140	The Trypanosoma cruzi metacyclic-specific protein Met-III associates with the nucleolus and contains independent amino and carboxyl terminal targeting elements. International Journal for Parasitology, 2007, 37, 617-625.	3.1	31
141	Solvent dependent photophysics of fac-[Re(CO)3(11,12-X2dppz)(py)]+ (X = H, F or Me). Photochemical and Photobiological Sciences, 2007, 6, 741.	2.9	31
142	Design and synthesis of bioactive adamantanaminoalcohols and adamantanamines. European Journal of Medicinal Chemistry, 2010, 45, 5022-5030.	5.5	31
143	Discovery and Optimization of 5-Amino-1,2,3-triazole-4-carboxamide Series against Trypanosoma cruzi. Journal of Medicinal Chemistry, 2017, 60, 7284-7299.	6.4	31
144	Isolation of DNA and RNA from Leishmania. , 1993, 21, 123-132.		30

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145	Resonance-Raman probing of the interaction between dipyridophenazine complexes of ruthenium(II) and DNA. Chemical Communications, 1996, , 35.	4.1	30
146	In Vitro and In Vivo Activities of Aminoadamantane and Aminoalkylcyclohexane Derivatives against Trypanosoma brucei. Antimicrobial Agents and Chemotherapy, 2001, 45, 1360-1366.	3.2	30
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