

# Xue-Wen Liu

## List of Publications by Year in descending order

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34  
papers

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758635

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752256

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization, DNA-binding and photocleavage of complexes [Ru(phen) <sub>2</sub> (6-OH-dppz)] <sup>2+</sup> and [Ru(phen) <sub>2</sub> (6-NO <sub>2</sub> -dppz)] <sup>2+</sup> . <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2372-2380.	1.5	125
2	Background eliminated signal-on electrochemical aptasensing platform for highly sensitive detection of protein. <i>Biosensors and Bioelectronics</i> , 2015, 66, 363-369.	5.3	34
3	Synthesis, DNA-binding and photocleavage of "light switch" complexes [Ru(bpy) <sub>2</sub> (pyip)] <sup>2+</sup> and [Ru(phen) <sub>2</sub> (pyip)] <sup>2+</sup> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 522-527.	2.0	30
4	Study on DNA binding behavior and light switch effect of new coumarin-derived Ru(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 150-156.	2.0	20
5	A novel, label-free fluorescent aptasensor for cocaine detection based on a G-quadruplex and ruthenium polypyridyl complex molecular light switch. <i>Analytical Methods</i> , 2016, 8, 3740-3746.	1.3	20
6	Synthesis, DNA-binding and spectral properties of novel complexes [Ru(L <sub>2</sub> (idpq)] <sup>2+</sup> (L=bpy, phen) with embedded CO. <i>Journal of Molecular Structure</i> , 2009, 920, 163-171.	1.8	17
7	DNA-binding, photocleavage studies of ruthenium(II) complexes with 2-(2-quinolinyl)imidazo[4,5-f][1,10]phenanthroline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 142-149.	2.0	17
8	DNA binding behaviors and cleavage properties of a Ru(II) polypyridyl complex. <i>Inorganica Chimica Acta</i> , 2011, 379, 1-6.	1.2	16
9	A lysosome targetable fluorescent probe for palladium species detection base on an ESIPT phthalimide derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 66-71.	2.0	16
10	DNA-binding and photocleavage studies of ruthenium(II) complexes containing asymmetric intercalative ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 554-561.	2.0	13
11	A novel DNA light switch [Ru(bpy) <sub>2</sub> pzip] <sup>2+</sup> activated by cobalt(II) ion. <i>Inorganic Chemistry Communication</i> , 2010, 13, 449-451.	1.8	12
12	DNA Interaction, Photocleavage and Topoisomerase I Inhibition by Ru(II) Complex with a New Ligand Possessing Phenazine Unit. <i>Journal of Fluorescence</i> , 2015, 25, 1527-1535.	1.3	12
13	Experimental and Theoretical Studies on DNA Binding and Spectral Properties of "Light Switch"™ Complexes [Ru(L) <sub>2</sub> (ppn)] <sup>2+</sup> (L=2,2'-bipyridine and 1,10-phenanthroline;) Tj ETQq1.0 0.784314 rgBT	1.0	11
14	A simple and new fluorescent and colorimetric probe based on NBD-maleimide for detecting thiols in living cells. <i>Analytical Methods</i> , 2015, 7, 6419-6425.	1.3	10
15	Ruthenium (II) complexes containing a new asymmetric ligand: DNA interaction, photocleavage and topoisomerase I inhibition. <i>Journal of Organometallic Chemistry</i> , 2013, 729, 1-8.	0.8	9
16	Nitro-Substituted Ruthenium(II) Complex: A New Strategy for a G-Quadruplex DNA Fluorescent Probe. <i>Inorganic Chemistry</i> , 2019, 58, 16326-16329.	1.9	9
17	Anticancer activity, topoisomerase I inhibition, DNA "light switch"™ behavior and molecular docking of two ruthenium complexes containing phenazine ring. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 39, 1-10.	2.0	8
18	Synthesis, DNA-binding, and photocleavage studies of ruthenium(II) complexes with an asymmetric ligand. <i>Journal of Coordination Chemistry</i> , 2011, 64, 4344-4356.	0.8	7

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19	DNA binding, photocleavage behavior, and topoisomerase I inhibitory activity of Ru(II) complexes incorporating an asymmetric phenazine-type ligand. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2886-2901.	0.8	7
20	Topo I inhibition, DNA photocleavage, Molecular docking and cytotoxicities of two new phenanthroline-based ruthenium complexes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5312.	1.7	7
21	Synthesis, DNA-binding, and photocleavage properties of Ru(II) complexes containing dppz-based ligand. <i>Journal of Coordination Chemistry</i> , 2012, 65, 3050-3063.	0.8	5
22	A new fluorescence and colorimetric sensor for highly selective and sensitive detection of glucose in 100% water. <i>RSC Advances</i> , 2015, 5, 63226-63232.	1.7	5
23	Selective and Sensitive Detection of Silver(I) Ion Based on Tetracationic Complex and TGA/GSH Co-capped Quantum Dots as an Effective Fluorescent Sensing Platform. <i>Analytical Sciences</i> , 2017, 33, 381-385.	0.8	5
24	New designed DNA light switch Ruthenium complexes as DNA photocleavers and Topoisomerase I inhibitors. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4231.	1.7	5
25	Topoisomerase I Inhibition, DNA Photocleavage Activity, and G-Quadruplex DNA "Light Switch"™ Based on Nitro-Substituted Ruthenium Complexes. <i>Russian Journal of Inorganic Chemistry</i> , 2020, 65, 1186-1195.	0.3	5
26	Photoinduced DNA Cleavage and Photocytotoxic of Phenanthroline-Based Ligand Ruthenium Compounds. <i>Molecules</i> , 2021, 26, 3471.	1.7	5
27	Topoisomerase I inhibitory and photocleavage activity of non-dppz DNA "light switches"™ based on ruthenium complexes containing nitro group. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4423.	1.7	4
28	DNA photocleavage, topoisomerase I inhibition, and cytotoxicities of two ruthenium complexes containing asymmetry ligand. <i>Journal of Radiation Research and Applied Sciences</i> , 2020, 13, 331-342.	0.7	4
29	An unexpected fluorescent probe for G-quadruplex DNA based on a nitro-substituted ruthenium (II) complex. <i>Applied Organometallic Chemistry</i> , 2020, 34, .	1.7	4
30	DNA Interaction, DNA Photocleavage, Photocytotoxicity In Vitro, and Molecular Docking of Naphthyl-Appended Ruthenium Complexes. <i>Molecules</i> , 2022, 27, 3676.	1.7	3
31	DNA Interaction and Photocleavage Properties of Ru (II) Complexes [Ru(bpy) <sub>2</sub> (pibi)] <sup>2+</sup> and [Ru(phen) <sub>2</sub> (pibi)] <sup>2+</sup> . <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2014, 33, 519-535.	0.4	2
32	A luminescence probe for c-myc G-quadruplex by a triphenylamine-appended ruthenium complex. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6143.	1.7	2
33	Topoisomerase I inhibitory and photocleavage activity by ruthenium complexes containing a new polyaza ligand. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 283-290.	0.9	1
34	Study of transient luminescence of three kinds of Ru complexes bound to DNA. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 133-139.	0.2	0