Isabelle M Dixon

List of Publications by Year
in descending order

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		186209	254106
42	2,616	28	43
papers	citations	h-index	g-index

47	47	47	2685
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integration of Logic Functions and Sequential Operation of Gates at the Molecular-Scale. Journal of the American Chemical Society, 1999, 121, 1393-1394.	6.6	352
2	A family of luminescent coordination compounds: iridium(iii) polyimine complexes. Chemical Society Reviews, 2000, 29, 385-391.	18.7	344
3	Synthesis and Photophysical Properties of Iridium(III) Bisterpyridine and Its Homologues:â€‰ a Family of Complexes with a Long-Lived Excited State. Journal of the American Chemical Society, 1999, 121, 5009-5016.	6.6	265
4	A G-Quadruplex Ligand with 10000-Fold Selectivity over Duplex DNA. Journal of the American Chemical Society, 2007, 129, 1502-1503.	6.6	188
5	Porphyrin Derivatives for Telomere Binding and Telomerase Inhibition. ChemBioChem, 2005, 6, 123-132.	1.3	120
6	Photoinduced processes in multicomponent arrays containing transition metal complexes. Coordination Chemistry Reviews, 1999, 190-192, 671-682.	9.5	118
7	Porphyrinic Dyads and Triads Assembled around Iridium(III) Bis-terpyridine:Â Photoinduced Electron Transfer Processes. Inorganic Chemistry, 2001, 40, 5507-5517.	1.9	94
8	Charge Separation in a Molecular Triad Consisting of an Iridium(III)â€‰â€“â€‰bis-terpy Central Core and Porphyrins as Terminal Electron Donor and Acceptor Groups. Angewandte Chemie - International Edition, 2000, 39, 1292-1295.	7.2	78
9	Dyads Containing Iridium(III) Bis-terpyridine as Photoactive Center: Synthesis and Electron Transfer Study. Inorganic Chemistry, 2004, 43, 3057-3066.	1.9	69
10	Switching of Electron- to Energy-Transfer by Selective Excitation of Different Chromophores in Arrays Based on Porphyrins and a Polypyridyl Iridium Complex. Journal of Physical Chemistry B, 2002, 106, 6663-6671.	1.2	57
11	Recent progress in ligand photorelease reaction mechanisms: Theoretical insights focusing on Ru(II) 3MC states. Coordination Chemistry Reviews, 2020, 408, 213184.	9.5	54
12	Luminescent ruthenium–polypyridine complexes & phosphorus ligands: anything but a simple story. Chemical Society Reviews, 2009, 38, 1621.	18.7	53
13	Reversing the relative ³MLCT–³MC order in Fe(<scp>ii</scp>) complexes using cyclometallating ligands: a computational study aiming at luminescent Fe(<scp>ii</scp>) complexes. Dalton Transactions, 2015, 44, 13498-13503.	1.6	52
14	Adiabatic Versus Nonadiabatic Photoisomerization in Photochromic Ruthenium Sulfoxide Complexes: A Mechanistic Picture from Density Functional Theory Calculations.. Journal of the American Chemical Society, 2011, 133, 9172-9174.	6.6	51
15	The (N₄C₂)^{2–} Donor Set as Promising Motif for Bis(tridentate) Iron(II) Photoactive Compounds. Inorganic Chemistry, 2013, 52, 13369-13374.	1.9	51
16	A Zn(ii) porphyrin–Ir(iii) bis-terpyridine–Au(iii) porphyrin triad with a charge-separated state in the microsecond range. Chemical Communications, 2000, , 2479-2480.	2.2	48
17	Interaction of Cationic Nickel and Manganese Porphyrins with the Minor Groove of DNA. Inorganic Chemistry, 2010, 49, 8558-8567.	1.9	42
18	Probing the photophysical capability of mono and bis(cyclometallated) Fe(ii) polypyridine complexes using inexpensive ground state DFT. Dalton Transactions, 2014, 43, 15898-15905.	1.6	42

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19	Is photoisomerization required for NO photorelease in ruthenium nitrosyl complexes?. Journal of Molecular Modeling, 2016, 22, 284.	0.8	42
20	Establishing the Two-Photon Linkage Isomerization Mechanism in the Nitrosyl Complex trans-[RuCl(NO)(py)₄]²⁺ by DFT and TDDFT. Inorganic Chemistry, 2015, 54, 8310-8318.	1.9	37
21	Pivotal Role of a Pentacoordinate ³MC State on the Photocleavage Efficiency of a Thioether Ligand in Ruthenium(II) Complexes: A Theoretical Mechanistic Study. Inorganic Chemistry, 2016, 55, 4448-4456.	1.9	36
22	Linkage Photoisomerization Mechanism in a Photochromic Ruthenium Nitrosyl Complex: New Insights from an MS-CASPT2 Study. Journal of Chemical Theory and Computation, 2017, 13, 6120-6130.	2.3	33
23	Unravelling the Mechanism of Excited-State Interligand Energy Transfer and the Engineering of Dual Emission in [Ir(C^{â^§}N)₂(N^{â^§}N)]⁺ Complexes. Inorganic Chemistry, 2020, 59, 1785-1803.	1.9	33
24	Unravelling the S â†' O Linkage Photoisomerization Mechanisms in cis- and trans-[Ru(bpy)₂(DMSO)₂]²⁺ Using Density Functional Theory. Inorganic Chemistry, 2014, 53, 6752-6760.	1.9	32
25	Theoretical illumination of highly original photoreactive³MC states and the mechanism of the photochemistry of Ru(<scp>ii</scp>) tris(bidentate) complexes. Physical Chemistry Chemical Physics, 2017, 19, 27765-27778.	1.3	30
26	Exploration of Uncharted ³PES Territory for [Ru(bpy)₃]²⁺: A New ³MC Minimum Prone to Ligand Loss Photochemistry. Inorganic Chemistry, 2018, 57, 3192-3196.	1.9	30
27	Can a functionalized phosphineligand promote room temperature luminescence of the [Ru(bpy)(tpy)]2+core?. Chemical Communications, 2012, 48, 741-743.	2.2	29
28	Synthesis and properties of diads based on tetra-aryl porphyrins and ruthenium bis-terpyridine-type complexes. Journal of Porphyrins and Phthalocyanines, 2001, 05, 600-607.	0.4	28
29	DFT rationalization of the room-temperature luminescence properties of Ru(bpy) 3 2+ and Ru(tpy) 2 2+ : 3MLCTâ€"3MC minimum energy path from NEB calculations and emission spectra from VRES calculations. Theoretical Chemistry Accounts, 2018, 137, 1.	0.5	28
30	Broad HOMOâ€"LUMO gap tuning through the coordination of a single phosphine, aminophosphine or phosphite onto a Ru(tpy)(bpy)2+ core. Dalton Transactions, 2008, , 5627.	1.6	27
31	Theoretical Study of the Full Photosolvolysis Mechanism of [Ru(bpy)₃]²⁺: Providing a General Mechanistic Roadmap for the Photochemistry of [Ru(N^N)₃]²⁺-Type Complexes toward Both Cis and Trans Photoproducts. Inorganic Chemistry, 2020, 59, 14679-14695.	1.9	27
32	Electronic peculiarities of the excited states of [RuN5C]+vs. [RuN6]2+ polypyridine complexes: insight from theory. Dalton Transactions, 2010, 39, 10959.	1.6	25
33	Computational Estimate of the Photophysical Capabilities of Four Series of Organometallic Iron(II) Complexes. Inorganic Chemistry, 2016, 55, 5089-5091.	1.9	24
34	Linear and Third-Order Nonlinear Optical Properties of Fe(Î·⁵-C₅Me₅)(Îº²-dppe)- and trans-Ru(Îº²-dppe)₂-Alkynyl Complexes Containing 2-Fluorenyl End Groups. Organometallics, 2018, 37, 2245-2262.	1.1	17
35	X-ray structure, redox and spectroscopic properties of ruthenium phosphine complexes [Ru(tpy)(bpy)(PPh3)]2+ and [Ru(tpy)(bpy)(PCy3)]2+. Inorganica Chimica Acta, 2007, 360, 1235-1239.	1.2	13
36	A Theoretical Study of the N to O Linkage Photoisomerization Efficiency in a Series of Ruthenium Mononitrosyl Complexes. Molecules, 2017, 22, 1667.	1.7	8

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37	Bridging the Gap: Making the Link in Mechanically Interlocked Chiral Molecules. Angewandte Chemie - International Edition, 2010, 49, 8792-8794.	7.2	6
38	On the Spin-State Dependence of Redox Potentials of Spin Crossover Complexes. Inorganic Chemistry, 2020, 59, 18402-18406.	1.9	6
39	Photoinduced Ligand Exchange Dynamics of a Polypyridyl Ruthenium Complex in Aqueous Solution. Journal of Physical Chemistry Letters, 2021, 12, 7278-7284.	2.1	6
40	On the Possible Coordination on a 3MC State Itself? Mechanistic Investigation Using DFT-Based Methods. Inorganics, 2020, 8, 15.	1.2	4
41	Synthesis of one-dimensional bis-porphyrinic compounds with a transition metal complex as bridging unit. Journal of Porphyrins and Phthalocyanines, 2004, 08, 82-92.	0.4	2
42	Synthesis of One-Dimensional Bis-Porphyrinic Compounds with a Transition Metal Complex as Bridging Unit. ChemInform, 2005, 36, no.	0.1	0