

Jeremy J Kodanko

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/94239/publications.pdf>

Version: 2024-02-01

39
papers

1,185
citations

304743

22
h-index

377865

34
g-index

39
all docs

39
docs citations

39
times ranked

1117
citing authors

#	ARTICLE	IF	CITATIONS
1	Light Activation of a Cysteine Protease Inhibitor: Caging of a Peptidomimetic Nitrile with Ru(^{II} (bpy) ₂). Journal of the American Chemical Society, 2011, 133, 17164-17167.	13.7	122
2	Catch and Release Photosensitizers: Combining Dual-Action Ruthenium Complexes with Protease Inactivation for Targeting Invasive Cancers. Journal of the American Chemical Society, 2018, 140, 14367-14380.	13.7	92
3	Ru(^{II}) polypyridyl complexes as photocages for bioactive compounds containing nitriles and aromatic heterocycles. Chemical Communications, 2018, 54, 1280-1290.	4.1	68
4	Ru(II) Polypyridyl Complexes Derived from Tetradentate Ancillary Ligands for Effective Photocaging. Accounts of Chemical Research, 2018, 51, 1415-1421.	15.6	64
5	Illuminating cytochrome P450 binding: Ru(^{II})-caged inhibitors of CYP17A1. Chemical Communications, 2017, 53, 3673-3676.	4.1	61
6	Inhibition of Cathepsin Activity in a Cell-Based Assay by a Light-Activated Ruthenium Compound. ChemMedChem, 2014, 9, 1306-1315.	3.2	56
7	Ruthenium Tris(2-pyridylmethyl)amine as an Effective Photocaging Group for Nitriles. Inorganic Chemistry, 2014, 53, 3272-3274.	4.0	54
8	New Ru(^{II}) Complex for Dual Activity: Photoinduced Ligand Release and ¹ O ₂ Production. Chemistry - A European Journal, 2016, 22, 3704-3708.	3.3	53
9	Selective Photodissociation of Acetonitrile Ligands in Ruthenium Polypyridyl Complexes Studied by Density Functional Theory. Inorganic Chemistry, 2015, 54, 8003-8011.	4.0	38
10	Photosensitive Ru(II) Complexes as Inhibitors of the Major Human Drug Metabolizing Enzyme CYP3A4. Journal of the American Chemical Society, 2021, 143, 9191-9205.	13.7	37
11	Caging the uncageable: using metal complex release for photochemical control over irreversible inhibition. Chemical Communications, 2016, 52, 12590-12593.	4.1	36
12	DFT Investigation of Ligand Photodissociation in [Ru(^{II})(tpy)(bpy)(py)] ²⁺ and [Ru(^{II})(tpy)(Me ₂ bpy)(py)] ²⁺ Complexes. Inorganic Chemistry, 2018, 57, 231-240.	4.0	35
13	New Ru(^{II}) complex for dual photochemotherapy: release of cathepsin K inhibitor and ¹ O ₂ production. Dalton Transactions, 2018, 47, 11851-11858.	3.3	34
14	Dual-Action Ru(II) Complexes with Bulky π -Expansive Ligands: Phototoxicity without DNA Intercalation. Inorganic Chemistry, 2020, 59, 3919-3933.	4.0	33
15	Oxidation of the Natural Amino Acids by a Ferryl Complex: Kinetic and Mechanistic Studies with Peptide Model Compounds. Inorganic Chemistry, 2009, 48, 7729-7739.	4.0	30
16	Selective Release of Aromatic Heterocycles from Ruthenium Tris(2-pyridylmethyl)amine with Visible Light. Inorganic Chemistry, 2016, 55, 10-12.	4.0	29
17	Targeting Peptides with an Iron-Based Oxidant: Cleavage of the Amino Acid Backbone and Oxidation of Side Chains. Journal of the American Chemical Society, 2007, 129, 12390-12391.	13.7	28
18	BODIPY-Caged Photoactivated Inhibitors of Cathepsin B Flip the Light Switch on Cancer Cell Apoptosis. ACS Chemical Biology, 2019, 14, 2833-2840.	3.4	27

#	ARTICLE	IF	CITATIONS
19	Effects of Methyl Substitution in Ruthenium Tris(2-pyridylmethyl)amine Photocaging Groups for Nitriles. <i>Inorganic Chemistry</i> , 2016, 55, 6968-6979.	4.0	24
20	Photoactivated inhibition of cathepsin K in a 3D tumor model. <i>Biological Chemistry</i> , 2016, 397, 571-582.	2.5	24
21	Unusual Role of Excited State Mixing in the Enhancement of Photoinduced Ligand Exchange in Ru(II) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 18295-18306.	13.7	23
22	Photoactivation of imatinib antibody conjugate using low-energy visible light from Ru(II)-polypyridyl cages. <i>Chemical Communications</i> , 2018, 54, 5193-5196.	4.1	23
23	Photocytotoxicity and photoinduced phosphine ligand exchange in a Ru(II) polypyridyl complex. <i>Chemical Science</i> , 2022, 13, 1933-1945.	7.4	21
24	Oxidation of Glutathione by [Fe ^{IV} (O)(N4Py)] ²⁺ : Characterization of an [Fe ^{III} (SG)(N4Py)] ²⁺ Intermediate. <i>Inorganic Chemistry</i> , 2010, 49, 4759-4761.	4.0	20
25	Novel Polypyridyl chelators deplete cellular zinc and destabilize the X-linked inhibitor of apoptosis protein (XIAP) prior to induction of apoptosis in human prostate and breast cancer cells. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2567-2575.	2.6	20
26	Imaging Sites of Inhibition of Proteolysis in Pathomimetic Human Breast Cancer Cultures by Light-Activated Ruthenium Compound. <i>PLoS ONE</i> , 2015, 10, e0142527.	2.5	20
27	Solid-Phase Synthesis as a Platform for the Discovery of New Ruthenium Complexes for Efficient Release of Photocaged Ligands with Visible Light. <i>Inorganic Chemistry</i> , 2015, 54, 1901-1911.	4.0	20
28	Trifluoromethyl substitution enhances photoinduced activity against breast cancer cells but reduces ligand exchange in Ru(II) complex. <i>Chemical Science</i> , 2021, 12, 12056-12067.	7.4	17
29	Iron-binding and mobilization from ferritin by polypyridyl ligands. <i>Metallomics</i> , 2010, 2, 407.	2.4	15
30	Metalloimmunotherapy with Rhodium and Ruthenium Complexes: Targeting Tumor-Associated Macrophages. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	13
31	Metal-based methods for protein inactivation. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 197-203.	6.1	12
32	Ru(II)-Based Acetylacetonate Complexes Induce Apoptosis Selectively in Cancer Cells. <i>Inorganic Chemistry</i> , 2021, 60, 18964-18974.	4.0	10
33	Unlocking the Potential of Ru(II) Dual-action Compounds with the Power of the Heavy-atom Effect ^{â€} . <i>Photochemistry and Photobiology</i> , 2022, 98, 378-388.	2.5	7
34	Selective Inactivation of Serine Proteases by Nonheme Iron Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 3934-3945.	4.0	6
35	Affinity-Enhanced Luminescent Re(I)- and Ru(II)-Based Inhibitors of the Cysteine Protease Cathepsin L. <i>Inorganic Chemistry</i> , 2018, 57, 7881-7891.	4.0	5
36	Preparation of N-acetyl, tert-butyl amide derivatives of the 20 natural amino acids. <i>Amino Acids</i> , 2010, 38, 747-751.	2.7	4

#	ARTICLE	IF	CITATIONS
37	Inhibition of the purified 20S proteasome by non-heme iron complexes. <i>Metallomics</i> , 2012, 4, 174-178.	2.4	3
38	Ruthenium complexes for photoactivated dual activity: Drug delivery and singlet oxygen generation. <i>Advances in Inorganic Chemistry</i> , 2022, , .	1.0	1
39	Validation of Ru(II)-caged Abiraterone as a Chemical Tool for Controlling CYP17A1 Activity with Visible Light. <i>FASEB Journal</i> , 2017, 31, 669.2.	0.5	0