Nora Kulak

List of Publications by Year
in descending order

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48	2,198	331642 21	214788 47
papers	citations	h-index	g-index

52	52	52	4463
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Redox activation of metal-based prodrugs as a strategy for drug delivery. Advanced Drug Delivery Reviews, 2012, 64, 993-1004.	13.7	432
2	XPS and NEXAFS studies of aliphatic and aromatic amine species on functionalized surfaces. Surface Science, 2009, 603, 2849-2860.	1.9	357
3	Î±_VÎ²₃ Integrin-Targeted PLGA-PEG Nanoparticles for Enhanced Anti-tumor Efficacy of a Pt(IV) Prodrug. ACS Nano, 2012, 6, 4530-4539.	14.6	281
4	Platinum(IV)-chlorotoxin (CTX) conjugates for targeting cancer cells. Journal of Inorganic Biochemistry, 2012, 110, 58-63.	3.5	95
5	Nanoparticle Encapsulation of Mitaplatin and the Effect Thereof on In Vivo Properties. ACS Nano, 2013, 7, 5675-5683.	14.6	89
6	Copper Complexes of Nâ€Ðonor Ligands as Artificial Nucleases. European Journal of Inorganic Chemistry, 2014, 2014, 2597-2612.	2.0	67
7	Synchrotron-radiation XPS analysis of ultra-thin silane films: Specifying the organic silicon. Applied Surface Science, 2016, 363, 406-411.	6.1	65
8	Quantification of Silane Molecules on Oxidized Silicon: Are there Options for a Traceable and Absolute Determination?. Analytical Chemistry, 2015, 87, 10117-10124.	6.5	62
9	A Metal-Ion-Releasing Probe for DNA Detection by Catalytic Signal Amplification. Angewandte Chemie - International Edition, 2006, 45, 4013-4015.	13.8	57
10	Role of Endonucleases XPF and XPG in Nucleotide Excision Repair of Platinated DNA and Cisplatin/Oxaliplatin Cytotoxicity. ChemBioChem, 2011, 12, 1115-1123.	2.6	46
11	Biological activity of amphiphilic metal complexes. Coordination Chemistry Reviews, 2019, 385, 191-207.	18.8	45
12	Amine species on selfâ€assembled monolayers of Ï‰â€aminothiolates on gold as identified by XPS and NEXAFS spectroscopy. Surface and Interface Analysis, 2010, 42, 1184-1187.	1.8	44
13	Determination of accessible amino groups on surfaces by chemical derivatization with 3,5-bis(trifluoromethyl)phenyl isothiocyanate and XPS/NEXAFS analysis. Analytical and Bioanalytical Chemistry, 2010, 396, 725-738.	3.7	39
14	Dipyrrinatoâ€iridium(III) Complexes for Application in Photodynamic Therapy and Antimicrobial Photodynamic Inactivation. Chemistry - A European Journal, 2021, 27, 6440-6459.	3.3	35
15	Mononuclear Cu(<scp>ii</scp>) and Zn(<scp>ii</scp>) complexes with a simple diamine ligand: synthesis, structure, phosphodiester binding and DNA cleavage studies. RSC Advances, 2015, 5, 22405-22418.	3.6	30
16	A fluorescence assay for the detection of hydrogen peroxide and hydroxyl radicals generated by metallonucleases. Chemical Communications, 2018, 54, 13411-13414.	4.1	28
17	Fluorophore ATCUN complexes: combining agent and probe for oxidative DNA cleavage. Chemical Communications, 2015, 51, 12395-12398.	4.1	27
18	Enzymatic amplification in a bioinspired, autonomous signal cascade. Chemical Communications, 2006, , 4375-4376.	4.1	26

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19	Application of XPS and ToF-SIMS for surface chemical analysis of DNA microarrays and their substrates. Analytical and Bioanalytical Chemistry, 2009, 393, 1907-1912.	3.7	25
20	Nucleophilic Aromatic Substitution on Pentafluorophenylâ€Substituted Dipyrranes and Tetrapyrroles as a Route to Multifunctionalized Chromophores for Potential Application in Photodynamic Therapy. Chemistry - A European Journal, 2016, 22, 13953-13964.	3.3	23
21	Efficient Artificial Nucleases for Mediating DNA Cleavage Based on Tuning the Steric Effect in the Pyridyl Derivatives of Tripod Tetraamineâ€Cobalt(II) Complexes. European Journal of Inorganic Chemistry, 2018, 2018, 2322-2338.	2.0	22
22	Straightforward approach to efficient oxidative DNA cleaving agents based on Cu(ii) complexes of heterosubstituted cyclens. Dalton Transactions, 2013, 42, 4357.	3.3	19
23	Pre-/post-functionalization in dipyrrin metal complexes â€“ antitumor and antibacterial activity of their glycosylated derivatives. Dalton Transactions, 2018, 47, 12373-12384.	3.3	19
24	Self-Assembled Monolayers of Aromatic Ï‰-Aminothiols on Gold: Surface Chemistry and Reactivity. Langmuir, 2010, 26, 3949-3954.	3.5	17
25	Multiply Intercalator-Substituted Cu(II) Cyclen Complexes as DNA Condensers and DNA/RNA Synthesis Inhibitors. Inorganic Chemistry, 2018, 57, 5004-5012.	4.0	17
26	Optimization of cleaning and aminoâ€•silanization protocols for Si wafers to be used as platforms for biochip microarrays by surface analysis (XPS, ToFâ€SIMS and NEXAFS spectroscopy). Surface and Interface Analysis, 2008, 40, 180-183.	1.8	16
27	Synthesis of Porphyrinoids, BODIPYs, and (Dipyrrinato)ruthenium(II) Complexes from Prefunctionalized Dipyrromethanes. European Journal of Organic Chemistry, 2019, 2019, 4020-4033.	2.4	16
28	Copper(II) Complexes with Tetradentate Piperazine-Based Ligands: DNA Cleavage and Cytotoxicity. Inorganics, 2021, 9, 12.	2.7	16
29	Cu(II) complexes with hydrazone-functionalized phenanthrolines as self-activating metallonucleases. Inorganica Chimica Acta, 2018, 481, 79-86.	2.4	15
30	Forty Years after the Discovery of Its Nucleolytic Activity: [Cu(phen)₂]²⁺ Shows Unattended DNA Cleavage Activity upon Fluorination. Chemistry - A European Journal, 2021, 27, 3273-3277.	3.3	15
31	Iron(III)â€tCDTA derivatives as MRI contrast agents: Increased T₁ relaxivities at higher magnetic field strength and pH sensing. Magnetic Resonance in Medicine, 2021, 85, 3370-3382.	3.0	15
32	Reaction of a Bis(benzoylhydrazone) with Copper(II): Complex Formation, Hydroxylation, and DNA Cleavage Activity. European Journal of Inorganic Chemistry, 2013, 2013, 5843-5853.	2.0	14
33	Sequential Nucleophilic Substitution of the Î±â€Pyrrole and pâ€Aryl Positions of mesoâ€Pentafluorophenylâ€Substituted BODIPYs. European Journal of Organic Chemistry, 2017, 2017, 3187-3196.	2.4	14
34	Flexible vs. rigid bis(2-benzimidazolyl) ligands in Cu(II) complexes: Impact on redox chemistry and oxidative DNA cleavage activity. Journal of Inorganic Biochemistry, 2019, 194, 223-232.	3.5	13
35	From Cyclen to 12â€Crownâ€4 Copper(II) Complexes: Exchange of Donor Atoms Improves DNA Cleavage Activity. European Journal of Inorganic Chemistry, 2015, 2015, 4722-4730.	2.0	12
36	Synthesis of fluorine-containing 1,10-phenanthrolines using mild versions of Skraup and Doebner-von Miller reactions. Journal of Fluorine Chemistry, 2017, 193, 98-105.	1.7	12

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37	Exploring the relationship between structure and activity in BODIPYs designed for antimicrobial phototherapy. Organic and Biomolecular Chemistry, 2020, 18, 2416-2431.	2.8	12
38	Incorporation of Î²â€Alanine in Cu(II) ATCUN Peptide Complexes Increases ROS Levels, DNA Cleavage and Antiproliferative Activity**. Chemistry - A European Journal, 2021, 27, 18093-18102.	3.3	12
39	New azidation methods for the functionalization of silicon nitride and application in copperâ€catalyzed azideâ€alkyne cycloaddition (CuAAC). Surface and Interface Analysis, 2016, 48, 621-625.	1.8	8
40	Tuning the DNA binding and cleavage of bpa Cu(II) complexes by ether tethers with hydroxyl and methoxy groups. Inorganica Chimica Acta, 2016, 452, 159-169.	2.4	8
41	Significantly enhanced proteolytic activity of cyclen complexes by monoalkylation. Dalton Transactions, 2016, 45, 10500-10504.	3.3	8
42	Click chemistry on silicon nitride for biosensor fabrication. Applied Surface Science, 2019, 481, 10-15.	6.1	8
43	Synthesis and Evaluation of Artificial DNA Scissors: An Interdisciplinary Undergraduate Experiment. Journal of Chemical Education, 2018, 95, 1848-1855.	2.3	7
44	Using enzymatic amplification by aldolase for the optical detection of DNA by an artificial signal cascade. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4786-4788.	2.2	4
45	Investigating Alkylated Prodigiosenes and Their Cu(II)â€Dependent Biological Activity: Interactions with DNA, Antimicrobial and Photoinduced Anticancer Activity. ChemMedChem, 2021, , .	3.2	3
46	Monoalkylated Cyclen Complexes for Efficient Proteolysis: Influence of Donor Atom Exchange. ChemistrySelect, 2018, 3, 12552-12559.	1.5	1
47	Copper Complexes of N-Donor Ligands as Artificial Nucleases. European Journal of Inorganic Chemistry, 2014, 2014, 2584-2584.	2.0	0
48	Activatable Metallonucleases. , 2015, , .		0