

# Nora Kulak

## List of Publications by Citations

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47  
papers

1,773  
citations

18  
h-index

42  
g-index

52  
ext. papers

2,005  
ext. citations

5.1  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
47	Redox activation of metal-based prodrugs as a strategy for drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 993-1004	18.5	377
46	XPS and NEXAFS studies of aliphatic and aromatic amine species on functionalized surfaces. <i>Surface Science</i> , <b>2009</b> , 603, 2849-2860	1.8	280
45	(M)(B) integrin-targeted PLGA-PEG nanoparticles for enhanced anti-tumor efficacy of a Pt(IV) prodrug. <i>ACS Nano</i> , <b>2012</b> , 6, 4530-9	16.7	261
44	Platinum(IV)-chlorotoxin (CTX) conjugates for targeting cancer cells. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 110, 58-63	4.2	87
43	Nanoparticle encapsulation of mitaplatin and the effect thereof on in vivo properties. <i>ACS Nano</i> , <b>2013</b> , 7, 5675-83	16.7	80
42	A metal-ion-releasing probe for DNA detection by catalytic signal amplification. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 4013-5	16.4	56
41	Copper Complexes of N-Donor Ligands as Artificial Nucleases. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 2597-2612	2.3	52
40	Amine species on self-assembled monolayers of $\beta$ -aminothiolates on gold as identified by XPS and NEXAFS spectroscopy. <i>Surface and Interface Analysis</i> , <b>2010</b> , 42, 1184-1187	1.5	42
39	Quantification of silane molecules on oxidized silicon: are there options for a traceable and absolute determination?. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10117-24	7.8	41
38	Synchrotron-radiation XPS analysis of ultra-thin silane films: Specifying the organic silicon. <i>Applied Surface Science</i> , <b>2016</b> , 363, 406-411	6.7	40
37	Role of endonucleases XPF and XPG in nucleotide excision repair of platinated DNA and cisplatin/oxaliplatin cytotoxicity. <i>ChemBioChem</i> , <b>2011</b> , 12, 1115-23	3.8	39
36	Determination of accessible amino groups on surfaces by chemical derivatization with 3,5-bis(trifluoromethyl)phenyl isothiocyanate and XPS/NEXAFS analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 725-38	4.4	29
35	Biological activity of amphiphilic metal complexes. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 385, 191-207	23.2	27
34	Mononuclear Cu(II) and Zn(II) complexes with a simple diamine ligand: synthesis, structure, phosphodiester binding and DNA cleavage studies. <i>RSC Advances</i> , <b>2015</b> , 5, 22405-22418	3.7	25
33	Enzymatic amplification in a bioinspired, autonomous signal cascade. <i>Chemical Communications</i> , <b>2006</b> , 4375-6	5.8	25
32	Application of XPS and ToF-SIMS for surface chemical analysis of DNA microarrays and their substrates. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 1907-12	4.4	23
31	Fluorophore ATCUN complexes: combining agent and probe for oxidative DNA cleavage. <i>Chemical Communications</i> , <b>2015</b> , 51, 12395-8	5.8	20

30	Nucleophilic Aromatic Substitution on Pentafluorophenyl-Substituted Dipyrranes and Tetrapyrroles as a Route to Multifunctionalized Chromophores for Potential Application in Photodynamic Therapy. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 13953-13964	4.8	19
29	A fluorescence assay for the detection of hydrogen peroxide and hydroxyl radicals generated by metallonucleases. <i>Chemical Communications</i> , <b>2018</b> , 54, 13411-13414	5.8	18
28	Efficient Artificial Nucleases for Mediating DNA Cleavage Based on Tuning the Steric Effect in the Pyridyl Derivatives of Tripod Tetraamine-Cobalt(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2322-2338	2.3	17
27	Self-assembled monolayers of aromatic omega-aminothiols on gold: surface chemistry and reactivity. <i>Langmuir</i> , <b>2010</b> , 26, 3949-54	4	16
26	Optimization of cleaning and amino-silanization protocols for Si wafers to be used as platforms for biochip microarrays by surface analysis (XPS, ToF-SIMS and NEXAFS spectroscopy). <i>Surface and Interface Analysis</i> , <b>2008</b> , 40, 180-183	1.5	15
25	Straightforward approach to efficient oxidative DNA cleaving agents based on Cu(II) complexes of heterosubstituted cyclens. <i>Dalton Transactions</i> , <b>2013</b> , 42, 4357-60	4.3	14
24	Dipyrrinato-Iridium(III) Complexes for Application in Photodynamic Therapy and Antimicrobial Photodynamic Inactivation. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 6440-6459	4.8	14
23	Multiply Intercalator-Substituted Cu(II) Cyclen Complexes as DNA Condensers and DNA/RNA Synthesis Inhibitors. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 5004-5012	5.1	13
22	Sequential Nucleophilic Substitution of the $\beta$ -Pyrrole and p-Aryl Positions of meso-Pentafluorophenyl-Substituted BODIPYs. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 3187-3196	2.3	11
21	Reaction of a Bis(benzoylhydrazone) with Copper(II): Complex Formation, Hydroxylation, and DNA Cleavage Activity. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5843-5853	2.3	11
20	Copper(II) Complexes with Tetradentate Piperazine-Based Ligands: DNA Cleavage and Cytotoxicity. <i>Inorganics</i> , <b>2021</b> , 9, 12	2.9	11
19	Pre-/post-functionalization in dipyrin metal complexes - antitumor and antibacterial activity of their glycosylated derivatives. <i>Dalton Transactions</i> , <b>2018</b> , 47, 12373-12384	4.3	10
18	Synthesis of fluorine-containing 1,10-phenanthrolines using mild versions of Skraup and Doebner-von Miller reactions. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 193, 98-105	2.1	9
17	Flexible vs. rigid bis(2-benzimidazolyl) ligands in Cu(II) complexes: Impact on redox chemistry and oxidative DNA cleavage activity. <i>Journal of Inorganic Biochemistry</i> , <b>2019</b> , 194, 223-232	4.2	9
16	From Cyclen to 12-Crown-4 Copper(II) Complexes: Exchange of Donor Atoms Improves DNA Cleavage Activity. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 4722-4730	2.3	9
15	Cu(II) complexes with hydrazone-functionalized phenanthrolines as self-activating metallonucleases. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 481, 79-86	2.7	9
14	Synthesis of Porphyrinoids, BODIPYs, and (Dipyrrinato)ruthenium(II) Complexes from Prefunctionalized Dipyrrromethanes. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 4020-4033	3.2	8
13	Significantly enhanced proteolytic activity of cyclen complexes by monoalkylation. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10500-4	4.3	8

12	Exploring the relationship between structure and activity in BODIPYs designed for antimicrobial phototherapy. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 2416-2431	3.9	7
11	New azidation methods for the functionalization of silicon nitride and application in copper-catalyzed azide-alkyne cycloaddition (CuAAC). <i>Surface and Interface Analysis</i> , <b>2016</b> , 48, 621-625	1.5	7
10	Tuning the DNA binding and cleavage of bpa Cu(II) complexes by ether tethers with hydroxyl and methoxy groups. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 452, 159-169	2.7	7
9	Click chemistry on silicon nitride for biosensor fabrication. <i>Applied Surface Science</i> , <b>2019</b> , 481, 10-15	6.7	6
8	Forty Years after the Discovery of Its Nucleolytic Activity: [Cu(phen) ] Shows Unattended DNA Cleavage Activity upon Fluorination. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3273-3277	4.8	6
7	Iron(III)-tCDTA derivatives as MRI contrast agents: Increased T relaxivities at higher magnetic field strength and pH sensing. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 3370-3382	4.4	5
6	Using enzymatic amplification by aldolase for the optical detection of DNA by an artificial signal cascade. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 4786-8	2.9	4
5	Synthesis and Evaluation of Artificial DNA Scissors: An Interdisciplinary Undergraduate Experiment. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 1848-1855	2.4	3
4	DNA und Proteine schneiden – So geht es mit Metallkomplexen. <i>Nachrichten Aus Der Chemie</i> , <b>2013</b> , 61, 1003-1007	0.1	1
3	Incorporation of Alanine in Cu(II) ATCUN Peptide Complexes Increases ROS Levels, DNA Cleavage and Antiproliferative Activity*. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 18093	4.8	1
2	Monoalkylated Cyclen Complexes for Efficient Proteolysis: Influence of Donor Atom Exchange. <i>ChemistrySelect</i> , <b>2018</b> , 3, 12552-12559	1.8	1
1	Activatable Metallonucleases <b>2015</b> ,		