

Genevieve Pratviel

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

2,290
citations

23
h-index

47
g-index

58
ext. papers

2,435
ext. citations

7.6
avg, IF

4.83
L-index

#	Paper	IF	Citations
57	SARS-CoV-2 Nsp3 unique domain SUD interacts with guanine quadruplexes and G4-ligands inhibit this interaction. <i>Nucleic Acids Research</i> , 2021 , 49, 7695-7712	20.1	12
56	Gold(III) porphyrins: Synthesis and interaction with G-quadruplex DNA. <i>Journal of Inorganic Biochemistry</i> , 2021 , 223, 111551	4.2	2
55	Voltammetric studies of selected porphyrin G-quadruplex ligands and their interaction with DNA in solution and at the mercury electrode surface. <i>Electrochimica Acta</i> , 2021 , 394, 139151	6.7	0
54	Mapping and characterization of G-quadruplexes in the genome of the social amoeba <i>Dictyostelium discoideum</i> . <i>Nucleic Acids Research</i> , 2019 , 47, 4363-4374	20.1	10
53	G-Quadruplex binding optimization by gold(III) insertion into the center of a porphyrin. <i>Dalton Transactions</i> , 2019 , 48, 6091-6099	4.3	11
52	Combination of photodynamic therapy and gene silencing achieved through the hierarchical self-assembly of porphyrin-siRNA complexes. <i>International Journal of Pharmaceutics</i> , 2019 , 569, 118585	6.5	15
51	Cd ²⁺ coordination: an efficient structuring switch for polypeptide polymers. <i>Polymer Chemistry</i> , 2018 , 9, 4100-4107	4.9	11
50	Oxidation of 5-methylaminomethyl uridine (mnm ^U) by Oxone Leads to Aldonitrone Derivatives. <i>Biomolecules</i> , 2018 , 8,	5.9	2
49	Ionic Polypeptide Polymers with Unusual β -Sheet Stability. <i>Biomacromolecules</i> , 2018 , 19, 4068-4074	6.9	11
48	Nucleopolypeptides with DNA-triggered α -helix-to- β -sheet transition. <i>Chemical Communications</i> , 2017 , 53, 7501-7504	5.8	18
47	Smart Poly(imidazolyl-L-lysine): Synthesis and Reversible Helix-to-Coil Transition at Neutral pH. <i>Polymers</i> , 2017 , 9,	4.5	11
46	The pK value of the proximal water molecule trans to a high-valent Mn[double bond, length as m-dash]O porphyrin: towards the control of reactivity by pH. <i>Dalton Transactions</i> , 2017 , 46, 12088-12094	4.3	1
45	Porphyrins in complex with DNA: Modes of interaction and oxidation reactions. <i>Coordination Chemistry Reviews</i> , 2016 , 308, 460-477	23.2	44
44	Smart metallopoly(L-glutamic acid) polymers: reversible helix-to-coil transition at neutral pH. <i>RSC Advances</i> , 2016 , 6, 84694-84697	3.7	20
43	Binding of metalloporphyrins to G-quadruplex DNA: The role of the central metal. <i>Inorganica Chimica Acta</i> , 2016 , 452, 98-103	2.7	13
42	Synthesis of asymmetric guanidiniumphenyl-aminophenyl porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016 , 20, 1438-1443	1.8	1
41	The nickel(II) complex of guanidinium phenyl porphyrin, a specific G-quadruplex ligand, targets telomeres and leads to POT1 mislocalization in culture cells. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 729-38	3.7	22

40	Guanosine in a single stranded region of anticodon stem-loop tRNA models is prone to oxidatively generated damage resulting in dehydroguanidinohydantoin and spiroiminodihydantoin lesions. <i>Chemistry - A European Journal</i> , 2015 , 21, 6381-5	4.8	8
39	Cationic Porphyrin-Anionic Surfactant Mixtures for the Promotion of Self-Organized 1:4 Ion Pairs in Water with Strong Aggregation Properties. <i>ChemPhysChem</i> , 2015 , 16, 3877-85	3.2	5
38	Cobalt(III)porphyrin to target G-quadruplex DNA. <i>Dalton Transactions</i> , 2015 , 44, 3701-7	4.3	27
37	Concept for simultaneous and specific in situ monitoring of amyloid oligomers and fibrils via Förster resonance energy transfer. <i>Analytical Chemistry</i> , 2014 , 86, 11877-82	7.8	20
36	Formation of the carboxamide precursor of cyanuric acid from guanine oxidative lesion dehydro-guanidinohydantoin. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 4711-6	3.4	3
35	A benzimidazopyridoquinoxaline as promising scaffold for G-quadruplex DNA targeting. <i>Medicinal Chemistry Research</i> , 2014 , 23, 4042-4049	2.2	1
34	Interaction of Cationic Manganese Porphyrin with G-Quadruplex Nucleic Acids Probed by Differential Labeling of the Two Faces of the Porphyrin. <i>Angewandte Chemie</i> , 2013 , 125, 2241-2244	3.6	5
33	Interaction of cationic manganese porphyrin with G-quadruplex nucleic acids probed by differential labeling of the two faces of the porphyrin. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2185-8	16.4	23
32	The protonation state of trans axial water molecule switches: the reactivity of high-valent manganese-oxo porphyrin. <i>New Journal of Chemistry</i> , 2013 , 37, 3581	3.6	5
31	N'-(3-Sulfanyl-idene-3,4-di-hydro-quinoxalin-2-yl)benzohydrazide di-methyl-formamide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o1268		
30	A single nuclease-resistant linkage in DNA as a versatile tool for the characterization of DNA lesions: application to the guanine oxidative lesion "G+34" generated by metalloporphyrin/KHSO ₅ reagent. <i>Chemical Research in Toxicology</i> , 2012 , 25, 2505-12	4	10
29	A thienoquinoxaline and a styryl-quinoxaline as new fluorescent probes for amyloid-β fibrils. <i>Comptes Rendus Chimie</i> , 2012 , 15, 79-85	2.7	19
28	Oxidative DNA damage mediated by transition metal ions and their complexes. <i>Metal Ions in Life Sciences</i> , 2012 , 10, 201-16	2.6	19
27	Improvement of porphyrins for G-quadruplex DNA targeting. <i>Biochimie</i> , 2011 , 93, 1310-7	4.6	70
26	Surface plasmon resonance imaging (SPRi) as an alternative technique for rapid and quantitative screening of small molecules, useful in drug discovery. <i>Sensors and Actuators B: Chemical</i> , 2011 , 157, 304-309	8.5	21
25	Activation of DNA carbon-hydrogen bonds by metal complexes. <i>Chemical Reviews</i> , 2010 , 110, 1018-59	68.1	137
24	Interaction of cationic nickel and manganese porphyrins with the minor groove of DNA. <i>Inorganic Chemistry</i> , 2010 , 49, 8558-67	5.1	35
23	Photolysis and thermolysis of platinum(IV) 2,2'-bipyridine complexes lead to identical platinum(II)-DNA adducts. <i>Chemistry - A European Journal</i> , 2010 , 16, 11420-31	4.8	10

22	Long-range charge transport through double-stranded DNA mediated by manganese or iron porphyrins. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 973-9	3.7	11
21	Spontaneous reduction of mixed 2,2'-bipyridine/methylamine/chloro complexes of Pt(IV) in water in the presence of light is accompanied by complex isomerization, loss of methylamine, and formation of a strong oxidant, presumably HOCl. <i>Chemistry - A European Journal</i> , 2007 , 13, 3980-8	4.8	24
20	A G-quadruplex ligand with 10000-fold selectivity over duplex DNA. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1502-3	16.4	176
19	Guanine oxidation: one- and two-electron reactions. <i>Chemistry - A European Journal</i> , 2006 , 12, 6018-30	4.8	132
18	Guanine oxidation by electron transfer: one- versus two-electron oxidation mechanism. <i>ChemBioChem</i> , 2006 , 7, 125-33	3.8	30
17	DNA Oxidation by Copper and Manganese Complexes. <i>Advances in Inorganic Chemistry</i> , 2006 , 58, 77-130	2.1	43
16	Porphyrin derivatives for telomere binding and telomerase inhibition. <i>ChemBioChem</i> , 2005 , 6, 123-32	3.8	106
15	Use of short duplexes for the analysis of the sequence-dependent cleavage of DNA by a chemical nuclease, a manganese porphyrin. <i>ChemBioChem</i> , 2005 , 6, 2326-35	3.8	11
14	Characterization of the dehydro-guanidinohydantoin oxidation product of guanine in a dinucleotide. <i>Chemical Research in Toxicology</i> , 2002 , 15, 1643-51	4	28
13	Characterization of an oxaluric acid derivative as a guanine oxidation product. <i>Chemical Communications</i> , 2001 , 2116-7	5.8	17
12	Guanine oxidation: NMR characterization of a dehydro-guanidinohydantoin residue generated by a 2e-oxidation of d(GpT). <i>Journal of the American Chemical Society</i> , 2001 , 123, 5867-77	16.4	38
11	Synthesis and DNA cleavage of 2'-O-amino-linked metalloporphyrin-oligonucleotide conjugates. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 3088-3095		20
10	Guanine Oxidation in Double-Stranded DNA by Mn-TMPyP/KHSO ₅ : 5,8-Dihydroxy-7,8-dihydroguanine Residue as a Key Precursor of Imidazolone and Parabanic Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2157-2167	16.4	80
9	Oxidative damage generated by an oxo-metalloporphyrin onto the human telomeric sequence. <i>Biochemistry</i> , 2000 , 39, 9514-22	3.2	50
8	Hydroxylation, Epoxidation, and DNA Cleavage Reactions Mediated by the Biomimetic Mn-TMPyP/O ₂ /Sulfite Oxidation System. <i>Inorganic Chemistry</i> , 1999 , 38, 4123-4127	5.1	38
7	Efficient Oxidation of 2-Deoxyguanosine by Mn-TMPyP/KHSO ₅ to Imidazolone dz without Formation of 8-Oxo-dG. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11548-11553	16.4	84
6	DNA And RNA Cleavage by Metal Complexes. <i>Advances in Inorganic Chemistry</i> , 1998 , 251-312	2.1	284
5	Structure/nuclease activity relationships of DNA cleavers based on cationic metalloporphyrin-oligonucleotide conjugates. <i>Biochemistry</i> , 1996 , 35, 9140-9	3.2	61

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| 4 | DNA cleavage by a β -metalloporphyrin-spermine-oligonucleotide molecule. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 181-182 | | 20 |
| 3 | Nonenzymic cleavage and ligation of DNA at a three A.cntdot.T base pair site. A two-step pseudohydrolysis of DNA. <i>Journal of the American Chemical Society</i> , 1993 , 115, 7939-7943 | 16.4 | 48 |
| 2 | Furfural as a Marker of DNA Cleavage by Hydroxylation at the 5' Carbon of Deoxyribose. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 702-704 | | 81 |
| 1 | Potassium monopersulfate and a water-soluble manganese porphyrin complex, [Mn(TMPyP)](OAc) ₅ , as an efficient reagent for the oxidative cleavage of DNA. <i>Biochemistry</i> , 1989 , 28, 7268-75 | 3.2 | 286 |