

Milan Balaz

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5319175/milan-balaz-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

54
papers

2,838
citations

27
h-index

53
g-index

55
ext. papers

3,059
ext. citations

7.4
avg, IF

4.68
L-index

#	Paper	IF	Citations
54	Imaging intracellular viscosity of a single cell during photoinduced cell death. <i>Nature Chemistry</i> , 2009 , 1, 69-73	17.6	448
53	Blood-vessel closure using photosensitizers engineered for two-photon excitation. <i>Nature Photonics</i> , 2008 , 2, 420-424	33.9	318
52	Ligand induced circular dichroism and circularly polarized luminescence in CdSe quantum dots. <i>ACS Nano</i> , 2013 , 7, 11094-102	16.7	185
51	Photophysical properties and intracellular imaging of water-soluble porphyrin dimers for two-photon excited photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 889-96	3.9	123
50	Racemic single-walled carbon nanotubes exhibit circular dichroism when wrapped with DNA. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9004-5	16.4	118
49	Synthesis of hydrophilic conjugated porphyrin dimers for one-photon and two-photon photodynamic therapy at NIR wavelengths. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 874-88	3.9	115
48	Interactions of a tetraanionic porphyrin with DNA: from a Z-DNA sensor to a versatile supramolecular device. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2046-7	16.4	111
47	A cationic zinc porphyrin as a chiroptical probe for Z-DNA. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4006-9	16.4	107
46	Synthesis and circular dichroism of tetraarylporphyrin-oligonucleotide conjugates. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4172-3	16.4	85
45	One- and two-photon activated phototoxicity of conjugated porphyrin dimers with high two-photon absorption cross sections. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 897-904	3.9	78
44	Unravelling the effect of temperature on viscosity-sensitive fluorescent molecular rotors. <i>Chemical Science</i> , 2015 , 6, 5773-5778	9.4	73
43	Achiral CdSe quantum dots exhibit optical activity in the visible region upon post-synthetic ligand exchange with D- or L-cysteine. <i>Chemical Communications</i> , 2013 , 49, 1844-6	5.8	72
42	Chirality Inversion of CdSe and CdS Quantum Dots without Changing the Stereochemistry of the Capping Ligand. <i>ACS Nano</i> , 2016 , 10, 3809-15	16.7	69
41	Role of environmental factors on the structure and spectroscopic response of 5VDNA-porphyrin conjugates caused by changes in the porphyrin-porphyrin interactions. <i>Chemistry - A European Journal</i> , 2009 , 15, 11853-66	4.8	66
40	Intramolecular rotation in a porphyrin dimer controls singlet oxygen production. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7948-9	16.4	60
39	Porphyrin substituted phosphoramidites: new building blocks for porphyrin-oligonucleotide syntheses. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 2413-21	3.4	54
38	Porphyrins as spectroscopic sensors for conformational studies of DNA. <i>Pure and Applied Chemistry</i> , 2007 , 79, 801-809	2.1	49

37	5VPorphyrin-oligonucleotide conjugates: neutral porphyrin-DNA interactions. <i>Organic Letters</i> , 2005 , 7, 5613-6	6.2	43
36	Porphyrins conjugated to DNA as CD reporters of the salt-induced B to Z-DNA transition. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 1865-7	3.9	43
35	CdSe Quantum Dots Functionalized with Chiral, Thiol-Free Carboxylic Acids: Unraveling Structural Requirements for Ligand-Induced Chirality. <i>ACS Nano</i> , 2017 , 11, 9846-9853	16.7	41
34	Determination of the triplet state energies of a series of conjugated porphyrin oligomers. <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 675-82	4.2	40
33	Synthesis and characterization of water-soluble free-base, zinc and copper porphyrin-oligonucleotide conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 6544-51	3.4	36
32	Dual mode quantitative imaging of microscopic viscosity using a conjugated porphyrin dimer. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7548-54	3.6	35
31	Highly sensitive and selective spectroscopic detection of mercury(II) in water by using pyridylporphyrin-DNA conjugates. <i>Chemistry - A European Journal</i> , 2013 , 19, 2515-22	4.8	33
30	Formation and helicity control of ssDNA templated porphyrin nanoassemblies. <i>Chemical Communications</i> , 2013 , 49, 1020-2	5.8	32
29	Chiroptical properties of anionic and cationic porphyrins and metalloporphyrins in complex with left-handed Z-DNA and right-handed B-DNA. <i>Journal of Inorganic Biochemistry</i> , 2013 , 127, 1-6	4.2	29
28	Tetraarylporphyrin as a selective molecular cap for non-Watson-Crick guanine-adenine base-pair sequences. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3530-3	16.4	29
27	A Cationic Zinc Porphyrin as a Chiroptical Probe for Z-DNA. <i>Angewandte Chemie</i> , 2005 , 117, 4074-4077	3.6	27
26	Supramolecular ssDNA templated porphyrin and metalloporphyrin nanoassemblies with tunable helicity. <i>Chemistry - A European Journal</i> , 2014 , 20, 1878-92	4.8	26
25	Porphyrin-DNA conjugates: porphyrin induced adenine-guanine homoduplex stabilization and interdplex assemblies. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 5533-40	3.9	26
24	Tuning the Sensitivity of Fluorescent Porphyrin Dimers to Viscosity and Temperature. <i>Chemistry - A European Journal</i> , 2017 , 23, 11001-11010	4.8	25
23	Chiroptical detection of condensed nickel(II)-Z-DNA in the presence of the B-DNA via porphyrin exciton coupled circular dichroism. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 10182-8	3.4	25
22	Z-DNA recognition in B-Z-B sequences by a cationic zinc porphyrin. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 3104-9	4.5	25
21	Effect of ionic liquids on the conformation of a porphyrin-based viscometer. <i>RSC Advances</i> , 2013 , 3, 18300-7	3.7	22
20	A new chiral oxathiane: synthesis, resolution and absolute configuration determination by vibrational circular dichroism. <i>Tetrahedron: Asymmetry</i> , 2001 , 12, 2605-2611		19

19	Mechanothermally induced conformational switch of a porphyrin dimer in a polymer film. <i>Chemical Communications</i> , 2016 , 52, 9510-3	5.8	18
18	Chiral multichromophoric supramolecular nanostructures assembled by single stranded DNA and RNA templates. <i>Coordination Chemistry Reviews</i> , 2017 , 349, 66-83	23.2	17
17	A Mild Stereo- and Enantiospecific Conversion of 2,3-Diaryl-Substituted Oxiranes into 2,2-Dimethyl-1,3-Dioxolanes by an Acetone/Amberlyst 15 System. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 3007-3011	3.2	16
16	Sequence and linker dependent chiral dimerization of DNA-porphyrin conjugates. <i>Tetrahedron</i> , 2012 , 68, 2093-2099	2.4	15
15	Recognition of left-handed Z-DNA of short unmodified oligonucleotides under physiological ionic strength conditions. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 397, 329-32	3.4	14
14	Chiroptical properties, binding affinity, and photostability of a conjugated zinc porphyrin dimer complexed with left-handed Z-DNA and right-handed B-DNA. <i>Dalton Transactions</i> , 2014 , 43, 563-7	4.3	10
13	New 1,3-oxathianes derived from myrtenal: synthesis and reactivity. <i>Journal of Organic Chemistry</i> , 2003 , 68, 6619-26	4.2	10
12	Sulfonated Ni(II)porphyrin improves the detection of Z-DNA in condensed and non-condensed BZB DNA sequences. <i>Journal of Inorganic Biochemistry</i> , 2012 , 110, 18-20	4.2	9
11	Conformational preference of a porphyrin rotor in confined environments. <i>RSC Advances</i> , 2014 , 4, 705-708	3.8	8
10	3,3'-diethylthiatricarbocyanine iodide: a highly sensitive chiroptical reporter of DNA helicity and sequence. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 8052-62	6.3	8
9	Diastereoreactivity of a Chiral Oxathiane Derived from 5-Hydroxy-1-tetralone. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 337-345	3.2	7
8	Tetraarylporphyrin as a Selective Molecular Cap for Non-Watson-Crick Guanine-Adenine Base-Pair Sequences. <i>Angewandte Chemie</i> , 2006 , 118, 3610-3613	3.6	6
7	Transition metal induced switch of fluorescence and absorption response of a Zn(II)porphyrin-DNA conjugate to cysteine derivatives. <i>RSC Advances</i> , 2015 , 5, 15916-15922	3.7	5
6	Functional Nanoassemblies with Mirror-Image Chiroptical Properties Templated by a Single Homochiral DNA Strand. <i>Chemistry of Materials</i> , 2020 , 32, 2272-2281	9.6	5
5	Effect of macromolecular crowding on the conformational behaviour of a porphyrin rotor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 369, 115-118	4.7	2
4	Apple juice and red wine induced mirror-image circular dichroism in quantum dots. <i>Chirality</i> , 2021 ,	2.1	1
3	The effect of molecular isomerism on the induced circular dichroism of cadmium sulfide quantum dots. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 17483-17495	7.1	0
2	Structure and Electronic Circular Dichroism of Chiral Porphyrins and Chiral Porphyrin Dimers. <i>Handbook of Porphyrin Science</i> , 2019 , 205-284	0.3	

- 1 Templated Porphyrin Assemblies Using Bio-Inspired Scaffolds [Covalent and Non-Covalent Approaches] **2016**, 31-128