Donata Pluskota-Karwatka

List of Publications by Citations

23 papers	108 citations	7 h-index	9 g-index
28 ext. papers	130 ext. citations	3.9 avg, IF	2.63 L-index

#	Paper	IF	Citations
23	Modifications of nucleosides by endogenous mutagens-DNA adducts arising from cellular processes. *Bioorganic Chemistry*, **2008**, 36, 198-213	5.1	15
22	Formation of adducts in the reaction of glyoxal with 2′-deoxyguanosine and with calf thymus DNA. *Bioorganic Chemistry*, **2008**, 36, 57-64	5.1	15
21	Formation of malonaldehyde-acetaldehyde conjugate adducts in calf thymus DNA. *Chemical Research in Toxicology*, **2006**, 19, 921-6	4	14
20	Identification of adducts formed in the reactions of malonaldehyde-glyoxal and malonaldehyde-methylglyoxal with adenosine and calf thymus DNA. *Chemistry and Biodiversity*, **2010**, 7, 959-74	2.5	9
19	Formation of conjugate adducts in the reactions of malonaldehyde-acetaldehyde and malonaldehyde-formaldehyde with guanosine. *Chemical Research in Toxicology*, **2005**, 18, 300-7	4	9
18	Identification of conjugate adducts formed in the reactions of malonaldehyde-acetaldehyde and malonaldehyde-formaldehyde with cytidine. *Chemical Research in Toxicology*, **2002**, 15, 110-7	4	9
17	Perfluorophenyl phosphonate analogues of aromatic amino acids: Synthesis, X-ray and DFT studies. *Tetrahedron*, **2018**, 74, 975-986	2.4	8
16	Reducing SARS-CoV-2 pathological protein activity with small molecules. *Journal of Pharmaceutical Analysis*, **2021**, 11, 383-397	14	5
15	Synthesis, structural studies and stability of model cysteine containing DNA–protein cross-links. *New Journal of Chemistry*, **2017**, 41, 2409-2424	3.6	4
14	Synthesis and structural characterization of single-walled carbon nanotubes functionalized with fluorinated phosphonate analogues of phenylglycine, as promising materials for synthetic and biomedical applications. *Journal of Molecular Structure*, **2020**, 1210, 128027	3.4	4
13	Reactivity of the Malonaldehyde-Glyoxal and Malonaldehyde-Methylglyoxal Adducts of Adenine Nucleosides toward Amino Acid Cross-Link Formation. *European Journal of Organic Chemistry*, **2012**, 2012, 4797-4804	3.2	3
12	Experimental and theoretical studies on fluvastatin primary photoproduct formation. *Physical Chemistry Chemical Physics*, **2017**, 19, 21946-21954	3.6	2
11	Studies on the reactions between the DNA bases and a model α,β-unsaturated oxoaldehyde. *New Journal of Chemistry*, **2015**, 39, 9171-9180	3.6	2
10	Reactions of malonaldehyde and acetaldehyde with calf thymus DNA: formation of conjugate adducts. *Nucleosides, Nucleotides and Nucleic Acids*, **2007**, 26, 567-71	1.4	2
9	Transformations of Statins: Effect of Light and pH. *Current Organic Chemistry*, **2018**, 22, 1926-1939	1.7	2
8	Synthesis, structural studies and biological properties of some phosphono-perfluorophenylalanine derivatives formed by SAr reactions.. *RSC Advances*, **2019**, 9, 24117-24133	3.7	1
7	Structural studies of malonaldehyde–glyoxal and malonaldehyde–methylglyoxal etheno adducts of adenine nucleosides based on spectroscopic methods and DFT-GIAO calculations. *New Journal of Chemistry*, **2016**, 40, 3875-3884	3.6	1

List of Publications

6	Characterization of Adducts Formed in the Reactions of Methylglyoxal and Malonaldehyde with Lysine and Histidine Derivatives. *Helvetica Chimica Acta*, **2015**, 98, 842-850	2	1
5	Qualitative LC-MS/MS identification, formation, and stability of adducts and cross-links arising from the reactions of glutathione with the model enal systems. *Current Organic Chemistry*, **2021**, 25,	1.7	1
4	Fluorinated phosphonate analogues of phenylalanine: Synthesis, X-ray and DFT studies. *Arabian Journal of Chemistry*, **2020**, 13, 2384-2399	5.9	1
3	Phototransformations of pitavastatin - The inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 389, 112243	4.7	0
2	New insight into the molecular mechanism of protein cross-linking induced by cis-2-butene-1,4-dial, the metabolite of furan: Formation of 2-substituted pyrrole cross-links involving the cysteine and lysine residues.. *Bioorganic Chemistry*, **2022**, 125, 105852	5.1	0
1	Synthesis of Fluorinated Vinyl Derivatives of Nucleic Acid Bases370-374		