

# Donata Pluskota-Karwatka

## 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.

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	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.. <i>Bioorganic Chemistry</i> , <b>2022</b> , 125, 105852	5.1	0
22	Qualitative LC-MS/MS identification, formation, and stability of adducts and cross-links arising from the reactions of glutathione with the model enal systems. <i>Current Organic Chemistry</i> , <b>2021</b> , 25,	1.7	1
21	Reducing SARS-CoV-2 pathological protein activity with small molecules. <i>Journal of Pharmaceutical Analysis</i> , <b>2021</b> , 11, 383-397	14	5
20	Synthesis and structural characterization of single-walled carbon nanotubes functionalized with fluorinated phosphonate analogues of phenylglycine, as promising materials for synthetic and biomedical applications. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1210, 128027	3.4	4
19	Phototransformations of pitavastatin - The inhibitor of 3-hydroxy-3-methylglutaryl coenzyme A reductase. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 389, 112243	4.7	0
18	Fluorinated phosphonate analogues of phenylalanine: Synthesis, X-ray and DFT studies. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 2384-2399	5.9	1
17	Synthesis, structural studies and biological properties of some phosphono-perfluorophenylalanine derivatives formed by SAR reactions.. <i>RSC Advances</i> , <b>2019</b> , 9, 24117-24133	3.7	1
16	Perfluorophenyl phosphonate analogues of aromatic amino acids: Synthesis, X-ray and DFT studies. <i>Tetrahedron</i> , <b>2018</b> , 74, 975-986	2.4	8
15	Transformations of Statins: Effect of Light and pH. <i>Current Organic Chemistry</i> , <b>2018</b> , 22, 1926-1939	1.7	2
14	Synthesis, structural studies and stability of model cysteine containing DNA-protein cross-links. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 2409-2424	3.6	4
13	Experimental and theoretical studies on fluvastatin primary photoproduct formation. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 21946-21954	3.6	2
12	Structural studies of malonaldehyde-glyoxal and malonaldehyde-methylglyoxal etheno adducts of adenine nucleosides based on spectroscopic methods and DFT-GIAO calculations. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 3875-3884	3.6	1
11	Characterization of Adducts Formed in the Reactions of Methylglyoxal and Malonaldehyde with Lysine and Histidine Derivatives. <i>Helvetica Chimica Acta</i> , <b>2015</b> , 98, 842-850	2	1
10	Studies on the reactions between the DNA bases and a model $\alpha$ -unsaturated oxoaldehyde. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 9171-9180	3.6	2
9	Reactivity of the Malonaldehyde-Glyoxal and Malonaldehyde-Methylglyoxal Adducts of Adenine Nucleosides toward Amino Acid Cross-Link Formation. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 4797-4804	3.2	3
8	Identification of adducts formed in the reactions of malonaldehyde-glyoxal and malonaldehyde-methylglyoxal with adenosine and calf thymus DNA. <i>Chemistry and Biodiversity</i> , <b>2010</b> , 7, 959-74	2.5	9
7	Modifications of nucleosides by endogenous mutagens-DNA adducts arising from cellular processes. <i>Bioorganic Chemistry</i> , <b>2008</b> , 36, 198-213	5.1	15

6	Formation of adducts in the reaction of glyoxal with 2βdeoxyguanosine and with calf thymus DNA. <i>Bioorganic Chemistry</i> , <b>2008</b> , 36, 57-64	5.1	15
5	Reactions of malonaldehyde and acetaldehyde with calf thymus DNA: formation of conjugate adducts. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2007</b> , 26, 567-71	1.4	2
4	Formation of malonaldehyde-acetaldehyde conjugate adducts in calf thymus DNA. <i>Chemical Research in Toxicology</i> , <b>2006</b> , 19, 921-6	4	14
3	Formation of conjugate adducts in the reactions of malonaldehyde-acetaldehyde and malonaldehyde-formaldehyde with guanosine. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 300-7	4	9
2	Identification of conjugate adducts formed in the reactions of malonaldehyde-acetaldehyde and malonaldehyde-formaldehyde with cytidine. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 110-7	4	9
1	Synthesis of Fluorinated Vinyl Derivatives of Nucleic Acid Bases370-374		