

# Katarzyna Kurpiewska

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5316288/publications.pdf>

Version: 2024-02-01

61  
papers

1,241  
citations

331670

21  
h-index

395702

33  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two modes of fatty acid binding to bovine $\beta$ -lactoglobulin crystallographic and spectroscopic studies. <i>Journal of Molecular Recognition</i> , 2011, 24, 341-349.	2.1	96
2	Structural and thermodynamic studies of binding saturated fatty acids to bovine $\beta$ -lactoglobulin. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 1095-1102.	7.5	82
3	Development of multifunctional, heterodimeric isoindoline-1,3-dione derivatives as cholinesterase and $\beta$ -amyloid aggregation inhibitors with neuroprotective properties. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 738-749.	5.5	60
4	A high-throughput method for the quantification of iron saturation in lactoferrin preparations. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5191-5200.	3.7	56
5	Versatile Multicomponent Reaction Macrocyclic Synthesis Using $\alpha$ -Isocyano- $\gamma$ -carboxylic Acids. <i>Organic Letters</i> , 2015, 17, 4980-4983.	4.6	55
6	Towards understanding the effect of high pressure on food protein allergenicity: $\beta$ -lactoglobulin structural studies. <i>Food Chemistry</i> , 2019, 270, 315-321.	8.2	49
7	Interaction of apo-transferrin with anticancer ruthenium complexes NAMI-A and its reduced form. <i>Journal of Inorganic Biochemistry</i> , 2012, 116, 11-18.	3.5	46
8	Acoustic Droplet Ejection Enabled Automated Reaction Scouting. <i>ACS Central Science</i> , 2019, 5, 451-457.	11.3	40
9	Artificial Macrocycles by Ugi Reaction and Passerini Ring Closure. <i>Journal of Organic Chemistry</i> , 2016, 81, 8789-8795.	3.2	37
10	Two-Step Synthesis of Complex Artificial Macrocyclic Compounds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10725-10729.	13.8	37
11	De Novo Assembly of Highly Substituted Morpholines and Piperazines. <i>Organic Letters</i> , 2017, 19, 642-645.	4.6	35
12	Two-Step Macrocyclic Synthesis by Classical Ugi Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 1441-1447.	3.2	34
13	$\alpha$ -Amino Acid Isosteric $\alpha$ -Amino Tetrazoles. <i>Chemistry - A European Journal</i> , 2016, 22, 3009-3018.	3.3	32
14	Rational design and synthesis of 1,5-disubstituted tetrazoles as potent inhibitors of the MDM2-p53 interaction. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 384-407.	5.5	30
15	Assemblies of substituted salicylidene-2-ethanolamine copper(II) complexes: From square planar monomeric to octahedral polymeric halogen analogues. <i>Polyhedron</i> , 2013, 49, 74-83.	2.2	28
16	Investigation of high pressure effect on the structure and adsorption of $\beta$ -lactoglobulin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 387-393.	5.0	28
17	Hydrazine in the Ugi Tetrazole Reaction. <i>Synthesis</i> , 2016, 48, 1122-1130.	2.3	25
18	Crystal structure of thebaine 6-O-demethylase from the morphine biosynthesis pathway. <i>Journal of Structural Biology</i> , 2018, 202, 229-235.	2.8	24

#	ARTICLE	IF	CITATIONS
19	Spacer-Dependent Structural and Physicochemical Diversity in Copper(II) Complexes with Salicyloyl Hydrazones: A Monomer and Soluble Polymers. <i>Inorganic Chemistry</i> , 2011, 50, 3501-3510.	4.0	23
20	High-pressure single-crystal XRD and magnetic study of a octacyanoniobate-based magnetic sponge. <i>CrystEngComm</i> , 2012, 14, 5224.	2.6	23
21	Concise Synthesis of Tetrazole Macrocycle. <i>Organic Letters</i> , 2017, 19, 5078-5081.	4.6	23
22	Multicomponent Reaction Based Synthesis of 1-Tetrazolyimidazo[1,5- <i>a</i> ]pyridines. <i>Organic Letters</i> , 2018, 20, 3871-3874.	4.6	22
23	Cleavable $\hat{I}^2$ -Cyanoethyl Isocyanide in the Ugi Tetrazole Reaction. <i>Organic Letters</i> , 2016, 18, 4762-4765.	4.6	19
24	Two Cycles with One Catch: Hydrazine in Ugi 4-CR and Its Postcyclizations. <i>ACS Combinatorial Science</i> , 2017, 19, 193-198.	3.8	19
25	Diverse Isoquinoline Scaffolds by Ugi/Pomeranzâ€Fritsch and Ugi/Schlittlerâ€MÃ¼ller Reactions. <i>Organic Letters</i> , 2019, 21, 3533-3537.	4.6	18
26	Ammonia-Promoted One-Pot Tetrazolopiperidinone Synthesis by Ugi Reaction. <i>ACS Combinatorial Science</i> , 2017, 19, 343-350.	3.8	17
27	Ugi Multicomponent Reaction Based Synthesis of Medium-Sized Rings. <i>Organic Letters</i> , 2017, 19, 6176-6179.	4.6	16
28	Versatile Protecting-Group Free Tetrazolomethane Amine Synthesis by Ugi Reaction. <i>ACS Combinatorial Science</i> , 2016, 18, 170-175.	3.8	15
29	Synthesis of Highly Substituted Imidazole Uracil Containing Molecules via Ugi-4CR and Passerini-3CR. <i>ACS Combinatorial Science</i> , 2018, 20, 192-196.	3.8	15
30	Library-to-Library Synthesis of Highly Substituted $\hat{I}^{\pm}$ -Aminomethyl Tetrazoles via Ugi Reaction. <i>ACS Combinatorial Science</i> , 2018, 20, 70-74.	3.8	15
31	Glutarimide Alkaloids Through Multicomponent Reaction Chemistry. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6714-6719.	2.4	15
32	Regioselectivity of hyoscyamine $\hat{I}^2$ -hydroxylase-catalysed hydroxylation as revealed by high-resolution structural information and QM/MM calculations. <i>Dalton Transactions</i> , 2020, 49, 4454-4469.	3.3	15
33	Highly Stereoselective Ugi/Pictetâ€Spengler Sequence. <i>Journal of Organic Chemistry</i> , 2022, 87, 7085-7096.	3.2	13
34	Cysteine Isocyanide in Multicomponent Reaction: Synthesis of Peptido-Mimetic 1,3-Azoles. <i>Journal of Organic Chemistry</i> , 2017, 82, 9585-9594.	3.2	12
35	Diastereoselective one pot five-component reaction toward 4-(tetrazole)-1,3-oxazinanes. <i>RSC Advances</i> , 2017, 7, 49995-49998.	3.6	12
36	Structure-based design approach to rational site-directed mutagenesis of $\hat{I}^2$ -lactoglobulin. <i>Journal of Structural Biology</i> , 2020, 210, 107493.	2.8	12

#	ARTICLE	IF	CITATIONS
37	Copper-Catalyzed Modular Assembly of Polyheterocycles. <i>Journal of Organic Chemistry</i> , 2020, 85, 9915-9927.	3.2	11
38	Pseudo-tetrahedral <i>vs</i> pseudo-octahedral Er <sup>III</sup> single molecule magnets and the disruptive role of coordinated TEMPO radical. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2817-2828.	6.0	10
39	Two-Step Synthesis of Complex Artificial Macrocyclic Compounds. <i>Angewandte Chemie</i> , 2017, 129, 10865-10869.	2.0	9
40	Hitting on the move: Targeting intrinsically disordered protein states of the MDM2-p53 interaction. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111588.	5.5	9
41	Synthesis of Tunable Fluorescent Imidazole-Fused Heterocycle Dimers. <i>Organic Letters</i> , 2022, 24, 5014-5017.	4.6	9
42	Discovery of chromenes as inhibitors of macrophage migration inhibitory factor. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 999-1005.	3.0	8
43	Sequential Multicomponent Synthesis of (Imidazo[1,5- <i>b</i> ]pyridin-1-yl)-1,3,4-oxadiazoles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2029-2034.	2.4	8
44	Diaminoimidazopyrimidines: Access via the Groebke-Blackburn-Bienaym Reaction and Structural Data Mining. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5601-5605.	2.4	8
45	X-ray crystallographic studies of RNase A variants engineered at the most destabilizing positions of the main hydrophobic core: Further insight into protein stability. <i>Proteins: Structure, Function and Bioinformatics</i> , 2009, 77, 658-669.	2.6	7
46	Synthesis, crystal structures and spectroscopy studies of Mo(IV) complexes synthesized in reactions with kojic acid, maltol and ethylmaltol. <i>Polyhedron</i> , 2012, 37, 35-41.	2.2	7
47	Structural investigation of ribonuclease A conformational preferences using high pressure protein crystallography. <i>Chemical Physics</i> , 2016, 468, 53-62.	1.9	7
48	Isocyanide-Based Multicomponent Reactions of Free Phenylboronic Acids. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6132-6137.	2.4	7
49	Scaffolding-Induced Property Modulation of Chemical Space. <i>ACS Combinatorial Science</i> , 2020, 22, 356-360.	3.8	7
50	High pressure macromolecular crystallography for structural biology: a review. <i>Open Life Sciences</i> , 2010, 5, 531-542.	1.4	6
51	Insulin conformational changes under high pressure in structural studies and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2020, 1202, 127251.	3.6	6
52	Atypical Ugi tetrazoles. <i>Chemical Communications</i> , 2020, 56, 1799-1802.	4.1	6
53	Diverse coordination of Schiff bases based on 2-(aminomethyl)pyridine or 2-acetylpyridine at Mo(IV) centre: Synthesis, crystal structures and physicochemical properties. <i>Polyhedron</i> , 2014, 75, 127-134.	2.2	5
54	S <sub>N</sub> Ar Isocyanide Diversification. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	4

#	ARTICLE	IF	CITATIONS
55	Mo(IV) and W(IV) cyanido complexes with Schiff bases. Synthesis, X-ray single crystal structures, physicochemical properties and quantum chemical calculations. <i>Polyhedron</i> , 2014, 68, 112-121.	2.2	3
56	Structure and Reactivity of Glycosyl Isocyanides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 50-55.	2.4	2
57	Investigating the effects of double mutation C30A/C75A on onconase structure: Studies at atomic resolution. <i>Biopolymers</i> , 2014, 101, 454-460.	2.4	1
58	Glycoconjugates via Phosphorus Ylides. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3632-3635.	2.4	1
59	Distinct sequence and structural feature of trypanosoma malate dehydrogenase. <i>Biochemical and Biophysical Research Communications</i> , 2021, 557, 288-293.	2.1	1
60	Seven quick tips for beginners in protein crystallography. <i>Acta Biochimica Polonica</i> , 2021, 68, 535-546.	0.5	1
61	It takes two to tango - The case of thebaine 6-O-demethylase. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 718-729.	7.5	0