

# BartÅ,omiej Furman

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Kinugasa reaction: an “ugly duckling” of $\beta$ -lactam chemistry. <i>Tetrahedron</i> , 2014, 70, 7817-7844.	1.9	71
2	Direct, Catalytic Synthesis of Carbapenams via Cycloaddition/Rearrangement Cascade Reaction: Unexpected Acetylenes’ Structure Effect. <i>Journal of Organic Chemistry</i> , 2010, 75, 7580-7587.	3.2	58
3	Synthesis of Polyhydroxylated Piperidine and Pyrrolidine Peptidomimetics via One-Pot Sequential Lactam Reduction/Joullié-Ugi Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 3621-3633.	3.2	44
4	Diastereoselective Synthesis of Carbapenams via Kinugasa Reaction. <i>Journal of Organic Chemistry</i> , 2008, 73, 7402-7404.	3.2	43
5	Sugar-derived cyclic imines: one-pot synthesis and direct functionalization. <i>Tetrahedron</i> , 2014, 70, 1880-1888.	1.9	40
6	A Formal Synthesis of Ezetimibe via Cycloaddition/Rearrangement Cascade Reaction. <i>Journal of Organic Chemistry</i> , 2011, 76, 6931-6936.	3.2	38
7	Reductive Functionalization of Amides in Synthesis and for Modification of Bioactive Compounds. <i>Frontiers in Chemistry</i> , 2021, 9, 655849.	3.6	36
8	Synthesis of Polyhydroxylated Quinolizidine and Indolizidine Scaffolds from Sugar-Derived Lactams via a One-Pot Reduction/Mannich/Michael Sequence. <i>Journal of Organic Chemistry</i> , 2014, 79, 10487-10503.	3.2	33
9	Rhodium-Catalyzed Intramolecular Conjugate Addition of Vinylstannanes to 2,3-Dihydro-4-pyridones. An Efficient Route to Stereoselective Construction of Indolizidines. <i>Organic Letters</i> , 2005, 7, 1725-1727.	4.6	29
10	An Entry to the Carbapenem Antibiotic Scaffold via the Asymmetric Kinugasa Reaction. <i>Synthesis</i> , 2012, 44, 2825-2839.	2.3	23
11	Studies on the Enantioselective Kinugasa Reaction: Efficient Synthesis of $\beta$ -Lactams Catalyzed by $\text{Cu}(\text{P}(\text{N}(\text{Ar})\text{R})_2)_2$ Complexes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2212-2219.	2.4	21
12	An Enantioselective Synthesis of 3,4-Di- <i>tert</i> -butyl-5-oxacephams. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 338-341.	2.4	18
13	Structure-Chiroptical Properties Relationship of Carbapenams by Experiment and Theory. <i>Journal of Organic Chemistry</i> , 2010, 75, 7219-7226.	3.2	18
14	Synthesis of N,4-diaryl substituted $\beta$ -lactams via Kinugasa cycloaddition/rearrangement reaction. <i>Tetrahedron</i> , 2012, 68, 10806-10817.	1.9	18
15	Structure-Chiroptical Properties Relationship in Oxabicyclic $\beta$ -Lactam Derivatives. <i>Enantiomer</i> , 2002, 7, 107-114.	0.5	17
16	Stereochemical model of [2+2]cycloaddition of chlorosulfonyl isocyanate to chiral vinyl ethers. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 217-224.	0.9	15
17	Approach to Monobactams and Nocardicins via Diastereoselective Kinugasa Reaction. <i>Journal of Organic Chemistry</i> , 2015, 80, 12038-12046.	3.2	15
18	Thermal and $\text{Sc}(\text{OTf})_3$ catalyzed 1,3-dipolar cycloaddition of open-chain nitrones to $\alpha,\beta$ -unsaturated lactones: combined experimental and computational studies. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 89-103.	1.8	12

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19	Diastereoselective synthesis of $\beta^2$ -lactams via Kinugasa reaction of acyclic chiral nitrones. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 12-21.	1.8	12
20	Synthesis of Thienamycin methyl ester from 2-deoxy-d-ribose via Kinugasa reaction. <i>Journal of Antibiotics</i> , 2016, 69, 164-168.	2.0	12
21	Overcoming inaccessibility of fluorinated imines – synthesis of functionalized amines from readily available fluoroacetamides. <i>Chemical Communications</i> , 2019, 55, 9436-9439.	4.1	12
22	The fluoride ion-induced intramolecular conjugate addition of propargylsilanes to dihydropyridones. A novel method for the stereoselective construction of azabicyclic ring systems. <i>Tetrahedron</i> , 2005, 61, 8641-8647.	1.9	11
23	Acid catalyzed rearrangement of vinyl and ketene acetals. <i>Tetrahedron</i> , 2014, 70, 1651-1658.	1.9	11
24	Asymmetric Synthesis of Cyclic Nitrones via Organocatalytic Michael Addition of Aldehydes to Nitroolefins and Subsequent Reductive Cyclization.. <i>ChemistrySelect</i> , 2017, 2, 2670-2676.	1.5	11
25	Ferrier-Petasis Rearrangement of 4-(Vinylloxy)azetidin-2-ones: An Entry to Carbapenams and Carbacephams. <i>Journal of Organic Chemistry</i> , 2010, 75, 6990-6993.	3.2	10
26	Selective Approaches to $\alpha$ - and $\beta$ -Arylated Vinyl Ethers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	10
27	A practical preparation of the key intermediate for penems and carbapenems synthesis. <i>Journal of Antibiotics</i> , 2013, 66, 161-163.	2.0	9
28	1,3-Dipolar cycloaddition of a cyclic nitron derived from 2-deoxy-D-ribose to $\alpha,\beta$ -unsaturated lactones: An entry to carbapenem antibiotics. <i>Carbohydrate Research</i> , 2016, 433, 89-96.	2.3	7
29	Formal synthesis of Thienamycin. <i>Journal of Antibiotics</i> , 2017, 70, 781-787.	2.0	7
30	Bypassing the stereoselectivity issue: transformations of Kinugasa adducts from chiral alkynes and non-chiral acyclic nitrones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6251-6268.	2.8	7
31	Synthesis of Monobactams via the Diastereoselective Kinugasa Reaction. <i>Synthesis</i> , 2018, 50, 1991-2000.	2.3	6
32	Synthesis of $\beta^2$ -lactams via diastereoselective, intramolecular Kinugasa reactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2852-2860.	2.8	5
33	Practical One-Pot Synthesis of Protected l-Glyceraldehyde Derivatives. <i>Synthesis</i> , 2012, 44, 2695-2698.	2.3	4
34	Direct synthesis of anomeric tetrazolyl iminosugars from sugar-derived lactams. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 115-123.	2.2	4
35	Conformation of chiral alkoxyallenes by proton NMR spectroscopy. <i>Perkin Transactions II RSC</i> , 2000, , 61-67.	1.1	3
36	Flexible synthesis of fused piperidinones and application in the synthesis of ( $\alpha$ )-myrtine. <i>Tetrahedron</i> , 2016, 72, 7125-7134.	1.9	3

#	ARTICLE	IF	CITATIONS
37	Concise synthesis of bicyclic iminosugars via reductive functionalization of sugar-derived lactams and subsequent RCM reaction. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6842-6846.	2.8	3
38	Photo-Fries-type rearrangement of cyclic enamides. An efficient route to structurally diverse five-membered enaminones. <i>Chemical Communications</i> , 2022, 58, 1898-1901.	4.1	3
39	A new synthesis of highly functionalized cyclohexenes via a vinylogous Ferrier-Petasis cyclization reaction. <i>Tetrahedron</i> , 2017, 73, 7030-7041.	1.9	2
40	Beyond the Tebbe Olefination: Direct Transformation of Esters into Ketones or Alkenes. <i>Synlett</i> , 2020, 31, 730-736.	1.8	2
41	A Convenient Approach towards the Synthesis of ADMDP Type Iminosugars and Nojirimycin Derivatives from Sugar-Derived Lactams. <i>Molecules</i> , 2021, 26, 5459.	3.8	0
42	Selective Approaches to $\alpha$ - and $\beta$ -Arylated Vinyl Ethers. <i>Angewandte Chemie</i> , 0, , .	2.0	0