

# Serge Zaretsky

## List of Publications by Year in descending order

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18  
papers

1,183  
citations

687363

13  
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794594

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docs citations

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times ranked

1495  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small Heterocycles in Multicomponent Reactions. <i>Chemical Reviews</i> , 2014, 114, 8323-8359.	47.7	790
2	Exocyclic Control of Turn Induction in Macrocyclic Peptide Scaffolds. <i>Chemistry - A European Journal</i> , 2013, 19, 17668-17672.	3.3	56
3	Decarboxylative Intramolecular Arene Alkylation Using <i>N</i> -(Acyloxy)phthalimides, an Organic Photocatalyst, and Visible Light. <i>Journal of Organic Chemistry</i> , 2019, 84, 8360-8379.	3.2	49
4	Passive Membrane Permeability of Macrocycles Can Be Controlled by Exocyclic Amide Bonds. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5368-5376.	6.4	48
5	Mechanistic investigation of aziridine aldehyde-driven peptide macrocyclization: the imidoanhydride pathway. <i>Chemical Science</i> , 2015, 6, 5446-5455.	7.4	31
6	Solid-Phase Parallel Synthesis of Functionalised Medium- to Large Cyclic Peptidomimetics through Three-Component Coupling Driven by Aziridine Aldehyde Dimers. <i>Chemistry - A European Journal</i> , 2015, 21, 9249-9255.	3.3	28
7	Bending Rigid Molecular Rods: Formation of Oligoproline Macrocycles. <i>Chemistry - A European Journal</i> , 2012, 18, 15612-15617.	3.3	24
8	Predicting Performance of Photochemical Transformations for Scaling Up in Different Platforms by Combining High-Throughput Experimentation with Computational Modeling. <i>Organic Process Research and Development</i> , 2020, 24, 2128-2138.	2.7	23
9	Shifting the Energy Landscape of Multicomponent Reactions Using Aziridine Aldehyde Dimers: A Mechanistic Study. <i>Journal of Organic Chemistry</i> , 2014, 79, 9465-9471.	3.2	22
10	Stereocontrolled Disruption of the Ugi Reaction toward the Production of Chiral Piperazinones: Substrate Scope and Process Development. <i>Journal of Organic Chemistry</i> , 2014, 79, 9948-9957.	3.2	21
11	Predicting cyclic peptide chemical shifts using quantum mechanical calculations. <i>Tetrahedron</i> , 2014, 70, 7655-7663.	1.9	21
12	Bicycle synthesis through peptide macrocyclization using aziridine aldehydes followed by late stage disulfide bond installation. <i>MedChemComm</i> , 2013, 4, 1124-1128.	3.4	17
13	Rational Design of Calpain Inhibitors Based on Calpastatin Peptidomimetics. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5403-5415.	6.4	15
14	Recent advances in the synthesis of cyclic pseudopeptides. <i>Drug Discovery Today: Technologies</i> , 2017, 26, 3-10.	4.0	11
15	Macrocyclic Templates for Library Synthesis of Peptido-Conjugates. <i>Methods in Molecular Biology</i> , 2015, 1248, 67-80.	0.9	10
16	Twisted amide electrophiles enable cyclic peptide sequencing. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7384-7388.	2.8	9
17	A Mechanistic Model for the Aziridine Aldehyde-Driven Macrocyclization of Peptides. <i>Journal of Organic Chemistry</i> , 2018, 83, 9119-9124.	3.2	4
18	Synthesis of Peptidomimetics Through the Disrupted Ugi Reaction with Aziridine Aldehyde Dimers. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 127-158.	0.2	0