

Stephan Rigol

List of Publications by Year in descending order

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18
papers

486
citations

840776

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839539

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all docs

19
docs citations

19
times ranked

624
citing authors

#	ARTICLE	IF	CITATIONS
1	A brief history of antibiotics and select advances in their synthesis. <i>Journal of Antibiotics</i> , 2018, 71, 153-184.	2.0	121
2	The Role of Organic Synthesis in the Emergence and Development of Antibody-Drug Conjugates as Targeted Cancer Therapies. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11206-11241.	13.8	75
3	Perspectives from nearly five decades of total synthesis of natural products and their analogues for biology and medicine. <i>Natural Product Reports</i> , 2020, 37, 1404-1435.	10.3	45
4	Total Synthesis in Search of Potent Antibody-Drug Conjugate Payloads. From the Fundamentals to the Translational. <i>Accounts of Chemical Research</i> , 2019, 52, 127-139.	15.6	34
5	Total Synthesis Endeavors and Their Contributions to Science and Society: A Personal Account. <i>CCS Chemistry</i> , 0, , 3-37.	7.8	34
6	Synthesis and Biological Investigation of I^{12} -Prostaglandin J ₃ (I^{12} -PGJ ₃) Analogues and Related Compounds. <i>Journal of the American Chemical Society</i> , 2016, 138, 6550-6560.	13.7	33
7	Total Synthesis of I^{12} -Prostaglandin J ₃ : Evolution of Synthetic Strategies to a Streamlined Process. <i>Chemistry - A European Journal</i> , 2016, 22, 8559-8570.	3.3	22
8	Uncialamycin-based antibody-drug conjugates: Unique enediyne ADCs exhibiting bystander killing effect. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	20
9	Enantioselective Total Synthesis of Antibiotic CJ-16,264, Synthesis and Biological Evaluation of Designed Analogues, and Discovery of Highly Potent and Simpler Antibacterial Agents. <i>Journal of the American Chemical Society</i> , 2017, 139, 15868-15877.	13.7	19
10	A Reverse Approach to the Total Synthesis of Halichondrin B. <i>Journal of the American Chemical Society</i> , 2021, 143, 9267-9276.	13.7	16
11	Short Total Synthesis of I^{12} -Prostaglandin J ₂ and Related Prostaglandins. Design, Synthesis, and Biological Evaluation of Macrocyclic I^{12} -Prostaglandin J ₂ Analogues. <i>Journal of Organic Chemistry</i> , 2019, 84, 365-378.	3.2	15
12	Streamlined Total Synthesis of Trioxacarcins and Its Application to the Design, Synthesis, and Biological Evaluation of Analogues Thereof. Discovery of Simpler Designed and Potent Trioxacarcin Analogues. <i>Journal of the American Chemical Society</i> , 2017, 139, 15467-15478.	13.7	14
13	Die Bedeutung der organischen Synthese bei der Entstehung und Entwicklung von Antikörper-Wirkstoff-Konjugaten als gezielte Krebstherapien. <i>Angewandte Chemie</i> , 2019, 131, 11326-11363.	2.0	11
14	Experimental Evolution of Diverse Strains as a Method for the Determination of Biochemical Mechanisms of Action for Novel Pyrrolizidinone Antibiotics. <i>ACS Infectious Diseases</i> , 2017, 3, 854-865.	3.8	6
15	The Evolution and Impact of Total Synthesis on Chemistry, Biology and Medicine. <i>Israel Journal of Chemistry</i> , 2017, 57, 179-191.	2.3	5
16	Design, Synthesis, and Biological Evaluation of Tubulysin Analogues, Linker-Drugs, and Antibody-Drug Conjugates, Insights into Structure-Activity Relationships, and Tubulysin-Tubulin Binding Derived from X-ray Crystallographic Analysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 3377-3421.	3.2	5
17	A Highly Convergent Total Synthesis of Norhalichondrin B. <i>Journal of the American Chemical Society</i> , 2021, , .	13.7	5
18	Synthesis of a hexasaccharide partial sequence of hyaluronan for click chemistry and more. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 604-607.	2.2	4