

# Roman S Erdmann

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,231  
citations

430874

18  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-colour live-cell nanoscale imaging of intracellular targets. <i>Nature Communications</i> , 2016, 7, 10778.	12.8	197
2	Long time-lapse nanoscopy with spontaneously blinking membrane probes. <i>Nature Biotechnology</i> , 2017, 35, 773-780.	17.5	157
3	Super-Resolution Imaging of the Golgi in Live Cells with a Bioorthogonal Ceramide Probe. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10242-10246.	13.8	138
4	Labeling Strategies Matter for Super-Resolution Microscopy: A Comparison between HaloTags and SNAP-tags. <i>Cell Chemical Biology</i> , 2019, 26, 584-592.e6.	5.2	100
5	Functionalizable Collagen Model Peptides. <i>Journal of the American Chemical Society</i> , 2010, 132, 13957-13959.	13.7	94
6	Importance of Ring Puckering versus Interstrand Hydrogen Bonds for the Conformational Stability of Collagen. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6835-6838.	13.8	76
7	Effect of Sterically Demanding Substituents on the Conformational Stability of the Collagen Triple Helix. <i>Journal of the American Chemical Society</i> , 2012, 134, 17117-17124.	13.7	74
8	Switchable Proline Derivatives: Tuning the Conformational Stability of the Collagen Triple Helix by pH Changes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10340-10344.	13.8	71
9	A novel physiological role for ARF1 in the formation of bidirectional tubules from the Golgi. <i>Molecular Biology of the Cell</i> , 2017, 28, 1676-1687.	2.1	55
10	Importance of dipole moments and ambient polarity for the conformation of Xaa-Pro moieties – a combined experimental and theoretical study. <i>Chemical Science</i> , 2015, 6, 6725-6730.	7.4	41
11	Conformational stability of collagen triple helices functionalized in the Yaa position by click chemistry. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1982.	2.8	35
12	From Azidoproline to Functionalizable Collagen. <i>Chimia</i> , 2013, 67, 891-895.	0.6	26
13	pH-Responsive Aminoproline-Containing Collagen Triple Helices. <i>Chemistry - A European Journal</i> , 2017, 23, 7938-7944.	3.3	26
14	Hochaufgelöste Visualisierung des Golgi-Apparats in lebenden Zellen mit einem bioorthogonalen Ceramid. <i>Angewandte Chemie</i> , 2014, 126, 10407-10412.	2.0	24
15	Influence of Sequential Modifications and Carbohydrate Variations in Synthetic AFGP Analogues on Conformation and Antifreeze Activity. <i>Chemistry - A European Journal</i> , 2012, 18, 12783-12793.	3.3	20
16	(4 <i>R</i> )- and (4 <i>S</i> )-Azidoprolines – Conformation Directing Amino Acids and Sites for Functionalization. <i>Chimia</i> , 2009, 63, 197-200.	0.6	18
17	STED Imaging of Golgi Dynamics with Cer-SiR: A Two-Component, Photostable, High-Density Lipid Probe for Live Cells. <i>Methods in Molecular Biology</i> , 2017, 1663, 65-78.	0.9	15
18	Effect of N- and C-terminal functional groups on the stability of collagen triple helices. <i>Chemical Communications</i> , 2017, 53, 11036-11039.	4.1	13

#	ARTICLE	IF	CITATIONS
19	Conformational stability of triazolyl functionalized collagen triple helices. Bioorganic and Medicinal Chemistry, 2013, 21, 3565-3568.	3.0	9