

# Dominik Niopek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1187094/publications.pdf>

Version: 2024-02-01

22  
papers

1,227  
citations

687363

13  
h-index

677142

22  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optogenetic control of <i>Neisseria meningitidis</i> Cas9 genome editing using an engineered, light-switchable anti-CRISPR protein. <i>Nucleic Acids Research</i> , 2021, 49, e29-e29.	14.5	25
2	Enlightening Allosteric: Designing Switchable Proteins by Photoreceptor Fusion. <i>Advanced Biology</i> , 2021, 5, e2000181.	2.5	14
3	Coupling Cas9 to artificial inhibitory domains enhances CRISPR-Cas9 target specificity. <i>Science Advances</i> , 2020, 6, eaay0187.	10.3	45
4	Computational design of anti-CRISPR proteins with improved inhibition potency. <i>Nature Chemical Biology</i> , 2020, 16, 725-730.	8.0	14
5	Optogenetics and CRISPR: A New Relationship Built to Last. <i>Methods in Molecular Biology</i> , 2020, 2173, 261-281.	0.9	8
6	Light-Inducible CRISPR Labeling. <i>Methods in Molecular Biology</i> , 2020, 2173, 137-150.	0.9	1
7	Leveraging implicit knowledge in neural networks for functional dissection and engineering of proteins. <i>Nature Machine Intelligence</i> , 2019, 1, 225-235.	16.0	18
8	Cell-specific CRISPR-Cas9 activation by microRNA-dependent expression of anti-CRISPR proteins. <i>Nucleic Acids Research</i> , 2019, 47, e75-e75.	14.5	79
9	A Robust and All-Inclusive Pipeline for Shuffling of Adeno-Associated Viruses. <i>ACS Synthetic Biology</i> , 2019, 8, 194-206.	3.8	29
10	Engineered anti-CRISPR proteins for optogenetic control of CRISPR-Cas9. <i>Nature Methods</i> , 2018, 15, 924-927.	19.0	161
11	Controlling Cells with Light and LOV. <i>Advanced Biology</i> , 2018, 2, 1800098.	3.0	19
12	AAV vector-mediated in vivo reprogramming into pluripotency. <i>Nature Communications</i> , 2018, 9, 2651.	12.8	43
13	A Hepatic GAbp-AMPK Axis Links Inflammatory Signaling to Systemic Vascular Damage. <i>Cell Reports</i> , 2017, 20, 1422-1434.	6.4	7
14	Optogenetic Control of Nuclear Protein Import in Living Cells Using Light-Inducible Nuclear Localization Signals (LINuS). <i>Current Protocols in Chemical Biology</i> , 2016, 8, 131-145.	1.7	12
15	Optogenetic control of nuclear protein export. <i>Nature Communications</i> , 2016, 7, 10624.	12.8	183
16	Creating functional engineered variants of the single-module non-ribosomal peptide synthetase IndC by T domain exchange. <i>Molecular BioSystems</i> , 2014, 10, 1709-1718.	2.9	35
17	Engineering light-inducible nuclear localization signals for precise spatiotemporal control of protein dynamics in living cells. <i>Nature Communications</i> , 2014, 5, 4404.	12.8	203
18	CRISPR/Cas9-mediated genome engineering: An adeno-associated viral (AAV) vector toolbox. <i>Biotechnology Journal</i> , 2014, 9, 1402-1412.	3.5	235

#	ARTICLE	IF	CITATIONS
19	Are artists and engineers inventing the culture of tomorrow?. Futures, 2013, 48, 55-64.	2.5	5
20	Robust RNAi enhancement via human Argonaute-2 overexpression from plasmids, viral vectors and cell lines. Nucleic Acids Research, 2013, 41, e199-e199.	14.5	53
21	Engineering and Evolution of Synthetic Adeno-Associated Virus (AAV) Gene Therapy Vectors via DNA Family Shuffling. Journal of Visualized Experiments, 2012, , .	0.3	22
22	To go, or not to go, that is the question - Six personal reflections on how geographic mobility may affect your career and life. BioEssays, 2011, 33, 728-731.	2.5	2