

# Piyush K Jain

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9575566/publications.pdf>

Version: 2024-02-01

17  
papers

741  
citations

840119

11  
h-index

887659

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of trans-cleavage activity of Cas12a with engineered crRNA enables amplified nucleic acid detection. <i>Nature Communications</i> , 2020, 11, 4906.	5.8	201
2	Development of Light-Activated CRISPR Using Guide RNAs with Photocleavable Protectors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12440-12444.	7.2	144
3	Patterning of Gene Expression Using New Photolabile Groups Applied to Light Activated RNAi. <i>Journal of the American Chemical Society</i> , 2011, 133, 440-446.	6.6	73
4	Light-activated RNA interference using double-stranded siRNA precursors modified using a remarkable regiospecificity of diazo-based photolabile groups. <i>Nucleic Acids Research</i> , 2009, 37, 4508-4517.	6.5	68
5	A thermostable Cas12b from <i>Brevibacillus</i> leverages one-pot discrimination of SARS-CoV-2 variants of concern. <i>EBioMedicine</i> , 2022, 77, 103926.	2.7	36
6	Non-viral delivery of CRISPR/Cas9 complex using CRISPR-GPS nanocomplexes. <i>Nanoscale</i> , 2019, 11, 21317-21323.	2.8	34
7	Development of Light-Activated CRISPR Using Guide RNAs with Photocleavable Protectors. <i>Angewandte Chemie</i> , 2016, 128, 12628-12632.	1.6	29
8	Photoactivated Spatiotemporally-Responsive Nanosensors of <i>in Vivo</i> Protease Activity. <i>ACS Nano</i> , 2015, 9, 11708-11717.	7.3	28
9	Construction of a Photoactivated Insulin Depot. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1404-1409.	7.2	24
10	Clinical validation of engineered CRISPR/Cas12a for rapid SARS-CoV-2 detection. <i>Communications Medicine</i> , 2022, 2, .	1.9	24
11	The synthesis of tetra-modified RNA for the multidimensional control of gene expression via light-activated RNA interference. <i>Nature Protocols</i> , 2014, 9, 11-20.	5.5	16
12	Polymerizing Insulin with Photocleavable Linkers to Make Light-Sensitive Macropolymer Depot Materials. <i>Macromolecular Bioscience</i> , 2016, 16, 1138-1146.	2.1	11
13	Mesoporous silica nanoparticles: synthesis, properties, and biomedical applications. , 2020, , 267-281.		11
14	CRISPR-ENHANCE: An enhanced nucleic acid detection platform using Cas12a. <i>Methods</i> , 2022, 203, 116-124.	1.9	11
15	Patterning of cells through patterning of biology. <i>Molecular BioSystems</i> , 2014, 10, 1689-1692.	2.9	5
16	The ULTIMATE Reagent: A Universal Photocleavable and Clickable Reagent for the Regiospecific and Reversible End Labeling of Any Nucleic Acid. <i>ChemBioChem</i> , 2018, 19, 1264-1270.	1.3	3
17	Macromol. Biosci. 8/2016. <i>Macromolecular Bioscience</i> , 2016, 16, 1250-1250.	2.1	0