

# Muhammad Tehseen

## List of Publications by Year in descending order

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24  
papers

945  
citations

687363

13  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1286  
citing authors

#	ARTICLE	IF	CITATIONS
1	iSCAN: An RT-LAMP-coupled CRISPR-Cas12 module for rapid, sensitive detection of SARS-CoV-2. <i>Virus Research</i> , 2020, 288, 198129.	2.2	226
2	Metallochaperone-like genes in <i>Arabidopsis thaliana</i> . <i>Metallomics</i> , 2010, 2, 556.	2.4	124
3	Structure of the processive human Pol $\delta$ holoenzyme. <i>Nature Communications</i> , 2020, 11, 1109.	12.8	103
4	Fusion of the Cas9 endonuclease and the VirD2 relaxase facilitates homology-directed repair for precise genome engineering in rice. <i>Communications Biology</i> , 2020, 3, 44.	4.4	91
5	The Transcriptional Regulator LEUNIG_HOMOLOG Regulates Mucilage Release from the <i>Arabidopsis Testa</i> . <i>Plant Physiology</i> , 2011, 156, 46-60.	4.8	58
6	Vigilant: An Engineered VirD2-Cas9 Complex for Lateral Flow Assay-Based Detection of SARS-CoV2. <i>Nano Letters</i> , 2021, 21, 3596-3603.	9.1	52
7	Initial state of DNA-Dye complex sets the stage for protein induced fluorescence modulation. <i>Nature Communications</i> , 2019, 10, 2104.	12.8	48
8	Bio-SCAN: A CRISPR/dCas9-Based Lateral Flow Assay for Rapid, Specific, and Sensitive Detection of SARS-CoV-2. <i>ACS Synthetic Biology</i> , 2022, 11, 406-419.	3.8	48
9	Auxin Crosstalk to Plant Immune Networks: A Plant-Pathogen Interaction Perspective. <i>Current Protein and Peptide Science</i> , 2015, 16, 389-394.	1.4	34
10	Missed cleavage opportunities by FEN1 lead to Okazaki fragment maturation via the long-flap pathway. <i>Nucleic Acids Research</i> , 2018, 46, 2956-2974.	14.5	34
11	Cryo-EM structure of human Pol $\delta$ bound to DNA and mono-ubiquitylated PCNA. <i>Nature Communications</i> , 2021, 12, 6095.	12.8	20
12	Two chromatographic schemes for protein purification involving the biotin/avidin interaction under native conditions. <i>Journal of Chromatography A</i> , 2020, 1621, 461051.	3.7	19
13	Dynamic structure mediates halophilic adaptation of a DNA polymerase from the deep-sea brines of the Red Sea. <i>FASEB Journal</i> , 2018, 32, 3346-3360.	0.5	13
14	Proliferating cell nuclear antigen-agarose column: A tag-free and tag-dependent tool for protein purification affinity chromatography. <i>Journal of Chromatography A</i> , 2019, 1602, 341-349.	3.7	13
15	Functional binding of E-selectin to its ligands is enhanced by structural features beyond its lectin domain. <i>Journal of Biological Chemistry</i> , 2020, 295, 3719-3733.	3.4	12
16	Resolution of the Holliday junction recombination intermediate by human GEN1 at the single-molecule level. <i>Nucleic Acids Research</i> , 2019, 47, 1935-1949.	14.5	10
17	<sc>TSGIT</sc>: An N- and C-terminal tandem tag system for purification of native and intein-mediated ligated proteins. <i>Protein Science</i> , 2021, 30, 497-512.	7.6	8
18	Implementing fluorescence enhancement, quenching, and FRET for investigating flap endonuclease 1 enzymatic reaction at the single-molecule level. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4456-4471.	4.1	7

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19	Functional Coupling of a Nematode Chemoreceptor to the Yeast Pheromone Response Pathway. PLoS ONE, 2014, 9, e111429.	2.5	6
20	Quick and Easy Assembly of a One-Step qRT-PCR Kit for COVID-19 Diagnostics Using In-House Enzymes. ACS Omega, 2021, 6, 7374-7386.	3.5	5
21	Using Eukaryotic Expression Systems to Generate Human $\alpha$ 1,3-Fucosyltransferases That Effectively Create Selectin-Binding Glycans on Stem Cells. Biochemistry, 2020, 59, 3757-3771.	2.5	4
22	Oligomerisation of C. elegans Olfactory Receptors, ODR-10 and STR-112, in Yeast. PLoS ONE, 2014, 9, e108680.	2.5	3
23	Single-Molecule Förster Resonance Energy Transfer Methods for Real-Time Investigation of the Holliday Junction Resolution by GEN1. Journal of Visualized Experiments, 2019, , .	0.3	3
24	Ureteric nephrogenic adenoma: A report of two cases. Indian Journal of Pathology and Microbiology, 2012, 55, 250.	0.2	0