

# Harshal A Chokhawala

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10645376/publications.pdf>

Version: 2024-02-01

23  
papers

1,442  
citations

430874

18  
h-index

677142

22  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1788  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Mutagenesis of <i>Trichoderma reesei</i> endoglucanase I: impact of expression host on activity and stability at elevated temperatures. <i>BMC Biotechnology</i> , 2015, 15, 11.   | 3.3  | 56        |
| 2  | The importance of pyroglutamate in cellulase Cel7A. <i>Biotechnology and Bioengineering</i> , 2014, 111, 842-847.  | 3.3  | 29        |
| 3  | An optics-based variable-temperature assay system for characterizing thermodynamics of biomolecular reactions on solid support. <i>Review of Scientific Instruments</i> , 2013, 84, 114102.  | 1.3  | 6         |
| 4  | Cross-comparison of Protein Recognition of Sialic Acid Diversity on Two Novel Sialoglycan Microarrays. <i>Journal of Biological Chemistry</i> , 2012, 287, 22593-22608.  | 3.4  | 116       |
| 5  | Human Xeno-Autoantibodies against a Non-Human Sialic Acid Serve as Novel Serum Biomarkers and Immunotherapeutics in Cancer. <i>Cancer Research</i> , 2011, 71, 3352-3363.  | 0.9  | 136       |
| 6  | Fluorescent labeling agents change binding profiles of glycan-binding proteins. <i>Molecular BioSystems</i> , 2011, 7, 3343.   | 2.9  | 49        |
| 7  | Identification and characterization of a multidomain hyperthermophilic cellulase from an archaeal enrichment. <i>Nature Communications</i> , 2011, 2, 375.   | 12.8 | 163       |
| 8  | Titelbild: High-Throughput Inâ€¦.Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery ( <i>Angew. Chem.</i> 47/2011). <i>Angewandte Chemie</i> , 2011, 123, 11205-11205.  | 2.0  | 0         |
| 9  | Highâ€¦Throughput Inâ€¦.Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11215-11218.   | 13.8 | 23        |
| 10 | Cover Picture: Highâ€¦Throughput Inâ€¦.Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery ( <i>Angew. Chem. Int. Ed.</i> 47/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11013-11013.                | 13.8 | 0         |
| 11 | A Sialylated Glycan Microarray Reveals Novel Interactions of Modified Sialic Acids with Proteins and Viruses. <i>Journal of Biological Chemistry</i> , 2011, 286, 31610-31622.   | 3.4  | 125       |
| 12 | Binding modules alter the activity of chimeric cellulases: Effects of biomass pretreatment and enzyme source. <i>Biotechnology and Bioengineering</i> , 2010, 107, 601-611.  | 3.3  | 42        |
| 13 | Sialidase substrate specificity studies using chemoenzymatically synthesized sialosides containing C5-modified sialic acids. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 5137.  | 2.8  | 55        |
| 14 | N-Terminal 112 amino acid residues are not required for the sialyltransferase activity of <i>Photobacterium damsela</i> Î±2,6-sialyltransferase. <i>Biotechnology Letters</i> , 2008, 30, 671-676.                                       | 2.2  | 39        |
| 15 | Combinatorial Chemoenzymatic Synthesis and High-Throughput Screening of Sialosides. <i>ACS Chemical Biology</i> , 2008, 3, 567-576.  | 3.4  | 79        |
| 16 | Multifunctionality of <i>Campylobacter jejuni</i> sialyltransferase CstII: Characterization of GD3/GT3 oligosaccharide synthase, GD3 oligosaccharide sialidase, and trans-sialidase activities. <i>Glycobiology</i> , 2008, 18, 686-697. | 2.5  | 80        |
| 17 | Chemoenzymatic Synthesis of Sialosides and Their Applications. <i>ACS Symposium Series</i> , 2008, , 96-122.   | 0.5  | 1         |
| 18 | The Hd0053 gene of <i>Haemophilus ducreyi</i> encodes an Î±2,3-sialyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 555-560.   | 2.1  | 16        |

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|----|---|------|-----------|
| 19 | Efficient chemoenzymatic synthesis of biotinylated human serum albumin sialoglycoside conjugates containing O-acetylated sialic acids. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2458-2463.              | 2.8  | 34        |
| 20 | Enzymatic Synthesis of Fluorinated Mechanistic Probes for Sialidases and Sialyltransferases. <i>Journal of the American Chemical Society</i> , 2007, 129, 10630-10631.  | 13.7 | 75        |
| 21 | Crystal Structures of <i>Pasteurella multocida</i> Sialyltransferase Complexes with Acceptor and Donor Analogues Reveal Substrate Binding Sites and Catalytic Mechanism. <i>Biochemistry</i> , 2007, 46, 6288-6298. | 2.5  | 97        |
| 22 | High-Throughput Substrate Specificity Studies of Sialidases by Using Chemoenzymatically Synthesized Sialoside Libraries. <i>ChemBioChem</i> , 2007, 8, 194-201.   | 2.6  | 79        |
| 23 | One-pot three-enzyme chemoenzymatic approach to the synthesis of sialosides containing natural and non-natural functionalities. <i>Nature Protocols</i> , 2006, 1, 2485-2492.                                       | 12.0 | 138       |