

Narayanan Manoj

List of Publications by Year in descending order

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35
papers

672
citations

840776

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580821

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36
all docs

36
docs citations

36
times ranked

997
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Phospholipid scramblases: An overview. Archives of Biochemistry and Biophysics, 2007, 462, 103-114. | 3.0 | 203 |
| 2 | The repertoire of G protein-coupled receptors in the sea squirt <i>Ciona intestinalis</i> . BMC Evolutionary Biology, 2008, 8, 129. | 3.2 | 95 |
| 3 | The GPCR repertoire in the demosponge <i>Amphimedon queenslandica</i> : insights into the GPCR system at the early divergence of animals. BMC Evolutionary Biology, 2014, 14, 270. | 3.2 | 42 |
| 4 | Carbohydrate specificity and salt-bridge mediated conformational change in acidic winged bean agglutinin 1 Edited by A. Klug. Journal of Molecular Biology, 2000, 302, 1129-1137. | 4.2 | 38 |
| 5 | Structure of Human Phosphopantothenoylcysteine Synthetase at 2.3 Å... Resolution. Structure, 2003, 11, 927-936. | 3.3 | 30 |
| 6 | Structural and Biochemical Properties of Pectinases. , 2007, , 99-115. | | 24 |
| 7 | Molecular Evolution of the Neuropeptide S Receptor. PLoS ONE, 2012, 7, e34046. | 2.5 | 20 |
| 8 | Amarogentin, a secoiridoid glycoside, activates AMP- activated protein kinase (AMPK) to exert beneficial vasculo-metabolic effects. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1270-1282. | 2.4 | 18 |
| 9 | X-ray studies on crystalline complexes involving amino acids and peptides. XXXVII. Novel aggregation patterns and effect of chirality in the complexes of DL- and L-lysine with glutaric acid. Acta Crystallographica Section B: Structural Science, 2001, 57, 366-371. | 1.8 | 15 |
| 10 | Unusual space-group pseudosymmetry in crystals of human phosphopantothenoylcysteine decarboxylase. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1762-1766. | 2.5 | 15 |
| 11 | Molecular evolution of proteins mediating mitochondrial fission&fusion dynamics. FEBS Letters, 2019, 593, 703-718. | 2.8 | 15 |
| 12 | Role of an N-terminal extension in stability and catalytic activity of a hyperthermostable β hydrolase fold esterase. Protein Engineering, Design and Selection, 2017, 30, 559-570. | 2.1 | 13 |
| 13 | Molecular evolution of the EGF&CFC protein family. Gene, 2011, 482, 43-50. | 2.2 | 12 |
| 14 | An extended loop in CE7 carbohydrate esterase family is dispensable for oligomerization but required for activity and thermostability. Journal of Structural Biology, 2016, 194, 434-445. | 2.8 | 12 |
| 15 | Evolutionary history of the neuropeptide S receptor/neuropeptide S system. General and Comparative Endocrinology, 2014, 209, 11-20. | 1.8 | 11 |
| 16 | Protein tyrosine phosphatase-PEST mediates hypoxia-induced endothelial autophagy and angiogenesis via AMPK activation. Journal of Cell Science, 2021, 134, . | 2.0 | 10 |
| 17 | Phosphatidylserine and Phosphatidylethanolamine Bind to Protein Z Cooperatively and with Equal Affinity. PLoS ONE, 2016, 11, e0161896. | 2.5 | 10 |
| 18 | Biochemical characterization of Alr1529, a novel SGNH hydrolase variant from <i>Anabaena</i> sp. PCC 7120. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 324-334. | 2.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Structural role of a conserved active site <i>cis</i> proline in the <i>Thermotoga maritima</i> acetyl esterase from the carbohydrate esterase family 7. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017, 85, 694-708. | 2.6 | 9 |
| 20 | Crystal structure of yeast xylose reductase in complex with a novel NADP-DTT adduct provides insights into substrate recognition and catalysis. <i>FEBS Journal</i> , 2018, 285, 4445-4464. | 4.7 | 9 |
| 21 | Structure of basic winged-bean lectin and a comparison with its saccharide-bound form. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 794-800. | 2.5 | 7 |
| 22 | Crystallization and preliminary X-ray studies of snake gourd lectin: homology with type II ribosome-inactivating proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 912-914. | 2.5 | 7 |
| 23 | Crystal structure of <i>Thermotoga maritima</i> acetyl esterase complex with a substrate analog: Insights into the distinctive substrate specificity in the CE7 carbohydrate esterase family. <i>Biochemical and Biophysical Research Communications</i> , 2016, 476, 63-68. | 2.1 | 7 |
| 24 | A temperature-responsive gene in sorghum encodes a glycine-rich protein that interacts with calmodulin. <i>Biochimie</i> , 2017, 137, 115-123. | 2.6 | 7 |
| 25 | Evolutionary history of histamine receptors: Early vertebrate origin and expansion of the H3-H4 subtypes. <i>Molecular Phylogenetics and Evolution</i> , 2021, 154, 106989. | 2.7 | 6 |
| 26 | X-ray studies on crystalline complexes involving amino acids and peptides. XXXVI. Crystal structures of hydrated glycyl-L-histidine and L-histidyl-L-alanine complexes with oxalic acid. <i>Chemical Biology and Drug Design</i> , 2000, 56, 210-217. | 1.1 | 5 |
| 27 | Structural insights into the mechanism of internal aldimine formation and catalytic loop dynamics in an archaeal Group II decarboxylase. <i>Journal of Structural Biology</i> , 2019, 208, 137-151. | 2.8 | 5 |
| 28 | Structure of an L-glucuronidase in complex with Co ²⁺ and citrate provides insights into the mechanism and substrate recognition in the family 4 glycosyl hydrolases. <i>Biochemical and Biophysical Research Communications</i> , 2019, 518, 197-203. | 2.1 | 4 |
| 29 | The Repertoire of Heterotrimeric G Proteins and RGS Proteins in <i>Ciona intestinalis</i> . <i>PLoS ONE</i> , 2009, 4, e7349. | 2.5 | 3 |
| 30 | A conserved α -helix plays a key role in thermoadaptation of catalysis in the glycoside hydrolase family 4. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2021, 1869, 140523. | 2.3 | 3 |
| 31 | Crystallization and preliminary crystallographic analysis of winged bean acidic lectin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 564-565. | 2.5 | 2 |
| 32 | Crystallographic Snapshots of the Dunathan and Quinonoid Intermediates provide Insights into the Reaction Mechanism of Group II Decarboxylases. <i>Journal of Molecular Biology</i> , 2020, 432, 166692. | 4.2 | 2 |
| 33 | Structural basis of catalysis and substrate recognition by the NAD(H)-dependent L-d-glucuronidase from the glycoside hydrolase family 4. <i>Biochemical Journal</i> , 2021, 478, 943-959. | 3.7 | 2 |
| 34 | Molecular evolution of the N-acetylglucosamine-6-phosphate deacetylase gene. , 2010, , . | | 1 |
| 35 | Phenotypic Variations in the 22q11 Deletion Syndrome " Study in a South Indian Population. <i>Indian Journal of Pediatrics</i> , 2016, 83, 746-747. | 0.8 | 0 |