

Kishore Babu Bobbili

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

266
citations

1163117

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h-index

1199594

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all docs

12
docs citations

12
times ranked

421
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Structure of Chitosan Determines Its Interactions with Mucin. <i>Biomacromolecules</i> , 2014, 15, 3550-3558. | 5.4 | 134 |
| 2 | Differential scanning calorimetric and spectroscopic studies on the unfolding of <i>Momordica charantia</i> lectin. Similar modes of thermal and chemical denaturation. <i>Biochimie</i> , 2010, 92, 58-64. | 2.6 | 27 |
| 3 | Inverse relationship between chitobiase and transglycosylation activities of chitinase-D from <i>Serratia proteamaculans</i> revealed by mutational and biophysical analyses. <i>Scientific Reports</i> , 2015, 5, 15657. | 3.3 | 21 |
| 4 | The sequence and structure of snake gourd (<i>Trichosanthes anguina</i>) seed lectin, a three-chain nontoxic homologue of type II RIPs. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1493-1503. | 2.5 | 16 |
| 5 | Purification, physico-chemical characterization and thermodynamics of chitooligosaccharide binding to cucumber (<i>Cucumis sativus</i>) phloem lectin. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 910-919. | 7.5 | 16 |
| 6 | <i>Coccinia indica</i> agglutinin, a 17 kDa PP2 like phloem lectin: Affinity purification, primary structure and formation of self-assembled filaments. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 1227-1236. | 7.5 | 14 |
| 7 | Mutational analysis of the pumpkin (<i>Cucurbita maxima</i>) phloem exudate lectin, PP2 reveals Ser-104 is crucial for carbohydrate binding. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 622-627. | 2.1 | 11 |
| 8 | Purification, chitooligosaccharide binding properties and thermal stability of CIA24, a new PP2-like phloem exudate lectin from ivy gourd (<i>Coccinia indica</i>). <i>International Journal of Biological Macromolecules</i> , 2018, 110, 588-597. | 7.5 | 9 |
| 9 | Chitooligosaccharide binding to CIA17 (<i>Coccinia indica</i> agglutinin). Thermodynamic characterization and formation of higher order complexes. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 774-782. | 7.5 | 7 |
| 10 | DSC and FCS Studies Reveal the Mechanism of Thermal and Chemical Unfolding of CIA17, a Polydisperse Oligomeric Protein from <i>Coccinia Indica</i> . <i>Journal of Physical Chemistry B</i> , 2021, 125, 7117-7127. | 2.6 | 5 |
| 11 | Cucurbitaceae phloem exudate lectins: Purification, molecular characterization and carbohydrate binding characteristics. <i>Phytochemistry</i> , 2022, 201, 113251. | 2.9 | 4 |
| 12 | Structure and Carbohydrate Recognition by the Nonmitogenic Lectin Horcolin. <i>Biochemistry</i> , 2022, 61, 464-478. | 2.5 | 2 |