# Clay Bracken

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6256187/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 28 papers | 2,164 citations | 394421 19 h-index | 580821 25 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 3527 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A method for efficient isotopic labeling of recombinant proteins. Journal of Biomolecular NMR, 2001, 20, 71-75. | 2.8 | 676 |
| 2 | Temperature dependence of intramolecular dynamics of the basic leucine zipper of GCN4: implications for the entropy of association with DNA 1 1Edited by P. E. Wright. Journal of Molecular Biology, 1999, 285, 2133-2146. | 4.2 | 212 |
| 3 | Val66Met polymorphism of BDNF alters prodomain structure to induce neuronal growth cone retraction. Nature Communications, 2013, 4, 2490. | 12.8 | 185 |
| 4 | Structural Architecture of the CARMA1/Bcl10/MALT1 Signalosome: Nucleation-Induced Filamentous Assembly. Molecular Cell, 2013, 51, 766-779. | 9.7 | 163 |
| 5 | An Effective Method for the Discrimination of Motional Anisotropy and Chemical Exchange. Journal of the American Chemical Society, 2002, 124, 1852-1853. | 13.7 | 162 |
| 6 | Combining prediction, computation and experiment for the characterization of protein disorder. Current Opinion in Structural Biology, 2004, 14, 570-576. | 5.7 | 125 |
| 7 | Synthesis and Nuclear Magnetic Resonance Structure Determination of an .alpha.-Helical, Bicyclic, Lactam-Bridged Hexapeptide. Journal of the American Chemical Society, 1994, 116, 6431-6432. | 13.7 | 96 |
| 8 | Molecular Motions and Protein Folding:â€‰ Characterization of the Backbone Dynamics and Folding Equilibrium of Î±2D Using 13C NMR Spin Relaxation. Journal of the American Chemical Society, 2000, 122, 11610-11619. | 13.7 | 73 |
| 9 | The BDNF Val66Met Prodomain Disassembles Dendritic Spines Altering Fear Extinction Circuitry and Behavior. Neuron, 2018, 99, 163-178.e6. | 8.1 | 53 |
| 10 | The volatile anesthetic isoflurane perturbs conformational activation of integrin LFAâ€1 by binding to the allosteric regulatory cavity. FASEB Journal, 2008, 22, 4109-4116. | 0.5 | 50 |
| 11 | NMR spin relaxation methods for characterization of disorder and folding in proteins. Journal of Molecular Graphics and Modelling, 2001, 19, 3-12. | 2.4 | 47 |
| 12 | Structural Model of the Extracellular Assembly of the TCR-CD3 Complex. Cell Reports, 2016, 14, 2833-2845. | 6.4 | 46 |
| 13 | (H)N(COCA)NH and HN(COCA)NH experiments for 1H-15N backbone assignments in 13C/15N-labeled proteins. Journal of Biomolecular NMR, 1997, 9, 94-100. | 2.8 | 41 |
| 14 | Characterization of millisecond time-scale dynamics in the molten globule state of Î±-lactalbumin by NMR. Journal of Molecular Biology, 1999, 294, 551-560. | 4.2 | 36 |
| 15 | Buried Polar Interactions and Conformational Stability in the Simian Immunodeficiency Virus (SIV) gp41 Core. Biochemistry, 2000, 39, 676-685. | 2.5 | 34 |
| 16 | Assembling Ligands In Situ Using Bioorthogonal Boronate Ester Synthesis. Chemistry and Biology, 2010, 17, 1171-1176. | 6.0 | 34 |
| 17 | Use of paramagnetic 19F NMR to monitor domain movement in a glutamate transporter homolog. Nature Chemical Biology, 2020, 16, 1006-1012. | 8.0 | 31 |
| 18 | The DNA-binding domain in the Bacillus subtilis transition-state regulator AbrB employs significant motion for promiscuous DNA recognition. Journal of Molecular Biology, 2001, 305, 429-439. | 4.2 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Helix formation and the unfolded state of a 52-residue helical protein. Protein Science, 2004, 13, 177-189. | 7.6 | 19 |
| 20 | pH Dependence of Amide Chemical Shifts in Natively Disordered Polypeptides Detects Medium-Range Interactions with Ionizable Residues. Biophysical Journal, 2005, 89, 3293-3302. | 0.5 | 18 |
| 21 | Post-translational modifications within tau paired helical filament nucleating motifs perturb microtubule interactions and oligomer formation. Journal of Biological Chemistry, 2022, 298, 101442. | 3.4 | 16 |
| 22 | Zinc induced structural changes in the intrinsically disordered BDNF Met prodomain confer synaptic elimination. Metallomics, 2020, 12, 1208-1219. | 2.4 | 6 |
| 23 | Spin Relaxation Methods for Characterizing Picosecond-Nanosecond and Microsecond-Millisecond Motions in Proteins. , 1999, , 171-190. | | 6 |
| 24 | Determination of amide exchange rates by measurement of 2D NMR line-broadening. Journal of the American Chemical Society, 1993, 115, 6346-6348. | 13.7 | 4 |
| 25 | CO_H(N)CACB experiments for assigning backbone resonances in 13C/15N-labeled proteins. Journal of Biomolecular NMR, 1998, 11, 451-456. | 2.8 | 4 |
| 26 | NMR backbone resonance assignments of the prodomain variants of BDNF in the urea denatured state. Biomolecular NMR Assignments, 2018, 12, 43-45. | 0.8 | 3 |
| 27 | Elasticity measurements predict no membrane toxicity for the cardiolipinâ€targeted mitochondrial therapeutic SSâ€31 (1054.3). FASEB Journal, 2014, 28, 1054.3. | 0.5 | 0 |
| 28 | Targeting the [CL/cyt c] complex to protect electron transport and prevent ROS formation prevents mitochondrial IR injury without ROS scavenging (LB169). FASEB Journal, 2014, 28, LB169. | 0.5 | 0 |