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| Complete citation | |
| Ramachandran, G. N., Ramakrishnan, C., & Sasisekharan, V. (1963). Stereochemistry of polypeptide chain configurations. *Journal of Molecular Biology*, *7*(1), 95–99. https://doi.org/10.1016/S0022-2836(63)80023-6 | |
| DOI weblink | http://dx.doi.org/10.1016/S0022-2836(63)80023-6 |
| General subject | Protein geometry |
| Specific subject | Phi, psi and omega angles |
| Keywords | |
| Ramachandran plot, phi, psi, omega, protein geometry | |
| Context | |
| How peptide chains are configured about the Ca in terms of the phi and psi rotations of the chain. Specifies acceptable angles for specific secondary structures. | |
| Methodology | |
| Paper pre-dates methodology sections | |
| Key Results | |
| The Ramachandran plot for allowed phi and psi angles | |
| Most important Figures and/or Tables | |
|  | |
| Significance to the field | |
| Still used today, update with ProCheck, the plot itself certainly as a way of viewing a protein. | |
| Outstanding questions/Next Steps | |
| Do highresoltuon structures add any more information? Are there other interesting factors involved, e.g. density of atoms? Number of chains, size of structure? | |
| Citations of other sources that helped you understand and interpret the paper | |
|  | |
| Cited References in the paper to follow up on in future with reason | |
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