# AIMMS publication report for: 2022-05-18

### New papers: 2022-4/5

Charalampopoulos, P., Iliopoulos, C. S., Kociumaka, T., Pissis, S. P., Radoszewski, J., Straszyński, J. **Efficient Computation of Sequence Mappability** (Algorithmica, May 2022)[https://doi.org/10.1007/s00453-022-00934-y]

Tanner, S., Thomson, S., Drummond, K., O’hely, M., Symeonides, C., Mansell, T., Saffery, R., Sly, P. D., Collier, F., Burgner, D., Sugeng, E. J., Dwyer, T., Vuillermin, P., Ponsonby, A. L. **A Pathway-Based Genetic Score for Oxidative Stress: An Indicator of Host Vulnerability to Phthalate-Associated Adverse Neurodevelopment** (Antioxidants, Apr 2022)[https://doi.org/10.3390/antiox11040659]

Engels, W., Siu, J., van Schalkwijk, S., Wesselink, W., Jacobs, S., Bachmann, H. **Metabolic Conversions by Lactic Acid Bacteria during Plant Protein Fermentations** (Foods, 1 Apr 2022)[https://doi.org/10.3390/foods11071005]

Stroganova, I., Bakels, S., Rijs, A. M. **Structural Properties of Phenylalanine-Based Dimers Revealed Using IR Action Spectroscopy** (Molecules (Basel, Switzerland), 6 Apr 2022)[https://doi.org/10.3390/molecules27072367]

Pearce, N. M., Skyner, R., Krojer, T. **Experiences From Developing Software for Large X-Ray Crystallography-Driven Protein-Ligand Studies** (Frontiers in Molecular Biosciences, 11 Apr 2022)[https://doi.org/10.3389/fmolb.2022.861491]

Loru, D., Steber, A. L., Thunnissen, J. M., Rap, D. B., Lemmens, A. K., Rijs, A. M., Schnell, M. **New potential candidates for astronomical searches discovered in the electrical discharge of the PAH naphthalene and acetonitrile** (Journal of Molecular Spectroscopy, 19 Apr 2022)[https://doi.org/10.1016/j.jms.2022.111629]

Sim, E., Song, S., Vuckovic, S., Burke, K. **Improving Results by Improving Densities: Density-Corrected Density Functional Theory** (Journal of the American Chemical Society, 20 Apr 2022)[https://doi.org/10.1021/jacs.1c11506]

Hughes, S., Dop, M. V., Kolsters, N., Klashorst, D. V. D., Pogosova, A., Rijs, A. **Using a *Caenorhabditis elegans* Parkinson’s Disease Model to Assess Disease Progression and Therapy Efficiency** (Pharmaceuticals, 22 Apr 2022)[https://doi.org/10.3390/ph15050512]

Hansen, T., Sun, X., Dalla Tiezza, M., van Zeist, W. J., Poater, J., Hamlin, T. A., Bickelhaupt, F. M. **C(spn)−X (n=1–3) Bond Activation by Palladium** (Chemistry - A European Journal, 6 May 2022)[https://doi.org/10.1002/chem.202103953]