2020

- **Enabling energy-efficient computing for exascale with EPEEC**
  HiPEACinfo
  A. J. Pena

- **Guest editorial: Special Issue on Applications and System Software for Hybrid Exascale Systems**
  Parallel Computing
  A. J. Pena, and M. Si

- **Wall-modeled large-eddy simulation in a finite element framework**
  International Journal for Numerical Methods in Fluids

- **Sequential oxidation of 5-hydroxymethylfurfural to furan-2,5-dicarboxylic acid by an evolved aryl-alcohol oxidase**
  Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics
  J. Viña-González, A. T. Martínez, V. Guallar, and M. Alcalde

- **A phase field approach enhanced with a cohesive zone model for modeling delamination induced by matrix cracking**
  Computer Methods in Applied Mechanics and Engineering

- **HDOT? An approach towards productive programming of hybrid applications**
  Journal of Parallel and Distributed Computing
  J. Ciesko, P. J. Martínez-Ferrer, R. Peñacoba Veigas, X. Teruel, and V. Beltran

- **Twig: Multi-Agent Task Management for Colocated Latency-Critical Cloud Services**
  26th IEEE International Symposium on High-Performance Computer Architecture (HPCA 26)
R. Nishtala, V. Petrucci, P. Carpenter, and M. Sjalander

- **A highly parameterizable framework for Conditional Restricted Boltzmann Machine based workloads accelerated with FPGAs and OpenCL**
  Future Generation Computer Systems
Z. Jakšić, N. Cadenelli, D. Buchaca Prats, J. Polo, J. Lluís Ber García, and D. Carrera Perez

2019

- **On the inconsistent treatment of gene-protein-reaction rules in context-specific metabolic models**
  Bioinformatics
  M. Ponce De Leon, I. Apaolaza, A. Valencia, and F. J. Planes

- **Development of HPC Multiphysics Framework for HTS Magnets in Fusion**
  6th BSC Severo Ochoa Doctoral Symposium, Book of Abstracts
  J. Lorenzo, O. Castillo-Reyes, M. J. Mantsinen, X. Sáez, and al. et

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