

# Ferenc A Bartha

## List of Publications by Year in descending order

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24  
papers

542  
citations

933447

10  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

772  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Risk Assessment of Novel Coronavirus COVID-19 Outbreaks Outside China. <i>Journal of Clinical Medicine</i> , 2020, 9, 571.  | 2.4 | 233       |
| 2  | Early Phase of the COVID-19 Outbreak in Hungary and Post-Lockdown Scenarios. <i>Viruses</i> , 2020, 12, 708.  | 3.3 | 48        |
| 3  | Enantioselective hydrogenation of ethyl pyruvate catalyzed by - and -isocinchonine-modified Pt/AIO in toluene: inversion of enantioselectivity. <i>Journal of Catalysis</i> , 2005, 231, 33-40.                             | 6.2 | 43        |
| 4  | Applications of the MBPT in the localized representation. <i>International Journal of Quantum Chemistry</i> , 1990, 38, 139-147.  | 2.0 | 42        |
| 5  | Application of the many-body perturbation theory to normal saturated hydrocarbons in the localized representation. <i>Theoretica Chimica Acta</i> , 1987, 72, 337-345.  | 0.8 | 34        |
| 6  | Local stability implies global stability for the 2-dimensional Ricker map. <i>Journal of Difference Equations and Applications</i> , 2013, 19, 2043-2078.   | 1.1 | 22        |
| 7  | On the Hofmeister Effect: Fluctuations at the Protein-Water Interface and the Surface Tension. <i>Journal of Physical Chemistry B</i> , 2014, 118, 8496-8504.   | 2.6 | 22        |
| 8  | Acumen: An Open-Source Testbed for Cyber-Physical Systems Research. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2016, , 118-130.                   | 0.3 | 16        |
| 9  | Enclosing the behavior of a hybrid automaton up to and beyond a Zeno point. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016, 20, 1-20.   | 3.5 | 12        |
| 10 | Proteus: Language and Runtime Support for Self-Adaptive Software Development. <i>IEEE Software</i> , 2019, 36, 73-82.   | 1.8 | 11        |
| 11 | Using Rigorous Simulation to Support ISO 26262 Hazard Analysis and Risk Assessment. , 2015, , .   |     | 9         |
| 12 | Applications of the many-body perturbation theory in the localized representation: structural effects in the correlation energy of normal saturated hyd. <i>Computational and Theoretical Chemistry</i> , 1991, 233, 61-70. | 1.5 | 7         |
| 13 | Necessary and sufficient condition for the global stability of a delayed discrete-time single neuron model. <i>Journal of Computational Dynamics</i> , 2014, 1, 213-232.  | 1.1 | 7         |
| 14 | Fixed points of a destabilized Kuramoto-Sivashinsky equation. <i>Applied Mathematics and Computation</i> , 2015, 266, 339-349.  | 2.2 | 4         |
| 15 | Accurate rigorous simulation should be possible for good designs. , 2016, , .   |     | 4         |
| 16 | Stable periodic orbits for the Mackey-Glass equation. <i>Journal of Differential Equations</i> , 2021, 296, 15-49.  | 2.2 | 4         |
| 17 | Computing of B-series by automatic differentiation. <i>Discrete and Continuous Dynamical Systems</i> , 2014, 34, 903-914.   | 0.9 | 4         |
| 18 | Pauli potential from Heilmann-Lieb electron density obtained by summing hydrogenic closed-shell densities over the entire bound-state spectrum. <i>Physical Review A</i> , 2011, 83, .                                      | 2.5 | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Flipping a first course on cyber-physical systems. , 2016, , .  |     | 3         |
| 20 | Symptom-Based Testing in a Compartmental Model of Covid-19. Infosys Science Foundation Series, 2021, , 357-376.   | 0.6 | 2         |
| 21 | Advanced Hazard Analysis and Risk Assessment in the ISO 26262 Functional Safety Standard Using Rigorous Simulation. Lecture Notes in Computer Science, 2020, , 108-126. | 1.3 | 2         |
| 22 | In Silico Evaluation of Paxlovidâ€™s Pharmacometrics for SARS-CoV-2: A Multiscale Approach. Viruses, 2022, 14, 1103.  | 3.3 | 2         |
| 23 | Global stability in a system using echo for position control. Electronic Journal of Qualitative Theory of Differential Equations, 2018, , 1-16.                         | 0.5 | 1         |
| 24 | Compile-Time Extensions to Hybrid ODEs. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 247, 52-70.   | 0.8 | 1         |