

# Ferenc A Bartha

## List of Publications by Year in descending order

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Version: 2024-02-01

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	In Silico Evaluation of Paxlovid™s Pharmacometrics for SARS-CoV-2: A Multiscale Approach. <i>Viruses</i> , 2022, 14, 1103.	3.3	2
2	Stable periodic orbits for the Mackey–Glass equation. <i>Journal of Differential Equations</i> , 2021, 296, 15-49.	2.2	4
3	Symptom-Based Testing in a Compartmental Model of Covid-19. <i>Infosys Science Foundation Series</i> , 2021, , 357-376.	0.6	2
4	Early Phase of the COVID-19 Outbreak in Hungary and Post-Lockdown Scenarios. <i>Viruses</i> , 2020, 12, 708.	3.3	48
5	Risk Assessment of Novel Coronavirus COVID-19 Outbreaks Outside China. <i>Journal of Clinical Medicine</i> , 2020, 9, 571.	2.4	233
6	Advanced Hazard Analysis and Risk Assessment in the ISO 26262 Functional Safety Standard Using Rigorous Simulation. <i>Lecture Notes in Computer Science</i> , 2020, , 108-126.	1.3	2
7	Proteus: Language and Runtime Support for Self-Adaptive Software Development. <i>IEEE Software</i> , 2019, 36, 73-82.	1.8	11
8	Global stability in a system using echo for position control. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2018, , 1-16.	0.5	1
9	Flipping a first course on cyber-physical systems. , 2016, , .		3
10	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
11	Accurate rigorous simulation should be possible for good designs. , 2016, , .		4
12	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
13	Using Rigorous Simulation to Support ISO 26262 Hazard Analysis and Risk Assessment. , 2015, , .		9
14	Fixed points of a destabilized Kuramoto–Sivashinsky equation. <i>Applied Mathematics and Computation</i> , 2015, 266, 339-349.	2.2	4
15	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
16	Computing of B-series by automatic differentiation. <i>Discrete and Continuous Dynamical Systems</i> , 2014, 34, 903-914.	0.9	4
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Enantioselective hydrogenation of ethyl pyruvate catalyzed by - and -isocinchonine-modified Pt/AlO in toluene: inversion of enantioselectivity. <i>Journal of Catalysis</i> , 2005, 231, 33-40.	6.2	43
21	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
22	Applications of the MBPT in the localized representation. <i>International Journal of Quantum Chemistry</i> , 1990, 38, 139-147.	2.0	42
23	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
24	Compile-Time Extensions to Hybrid ODEs. <i>Electronic Proceedings in Theoretical Computer Science</i> , EPTCS, 0, 247, 52-70.	0.8	1