

# Agnes Havasi

## List of Publications by Year in descending order

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papers

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citations

933447

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794594

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43  
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43  
docs citations

43  
times ranked

318  
citing authors

#	ARTICLE	IF	CITATIONS
1	Explicit Runge-Kutta Methods Combined with Advanced Versions of the Richardson Extrapolation. Computational Methods in Applied Mathematics, 2020, 20, 739-762.	0.8	7
2	Studying the Influence of Climate Changes on European Ozone Levels. Lecture Notes in Computer Science, 2020, , 391-399.	1.3	0
3	Advanced algorithms for studying the impact of climate changes on ozone levels in the atmosphere. International Journal of Environment and Pollution, 2019, 66, 212.	0.2	0
4	LARGE-SCALE AIR POLLUTION MODELING IN EUROPE UNDER DIFFERENT CLIMATIC SCENARIOS. International Journal of Big Data Mining for Global Warming, 2019, 01, 1950009.	1.0	4
5	Absolute Stability and Implementation of the Two-Times Repeated Richardson Extrapolation Together with Explicit Runge-Kutta Methods. Lecture Notes in Computer Science, 2019, , 678-686.	1.3	3
6	Stability Properties of Repeated Richardson Extrapolation Applied Together with Some Implicit Runge-Kutta Methods. Lecture Notes in Computer Science, 2019, , 114-125.	1.3	2
7	On Richardson extrapolation for low-dissipation low-dispersion diagonally implicit Runge-Kutta schemes. Journal of Computational Physics, 2018, 358, 21-35.	3.8	1
8	Stability of the Richardson Extrapolation combined with some implicit Runge-Kutta methods. Journal of Computational and Applied Mathematics, 2017, 310, 224-240.	2.0	9
9	Eulerian and Lagrangian Approaches for Modelling of Air Quality. Mathematics in Industry, 2016, , 73-85.	0.3	2
10	Impact of Climatic Changes on Pollution Levels. Mathematics in Industry, 2016, , 129-161.	0.3	1
11	Solving Reaction-Diffusion and Advection Problems with Richardson Extrapolation. Journal of Chemistry, 2015, 2015, 1-9.	1.9	2
12	Mathematical Treatment of Environmental Models. Mathematics in Industry, 2014, , 65-70.	0.3	0
13	Application of Richardson extrapolation for multi-dimensional advection equations. Computers and Mathematics With Applications, 2014, 67, 2279-2293.	2.7	9
14	Dispersion modeling of air pollutants in the atmosphere: a review. Open Geosciences, 2014, 6, .	1.7	95
15	The convergence of diagonally implicit Runge-Kutta methods combined with Richardson extrapolation. Computers and Mathematics With Applications, 2013, 65, 395-401.	2.7	11
16	Numerical solution of the Maxwell equations in time-varying media using Magnus expansion. Central European Journal of Mathematics, 2012, 10, 137-149.	0.7	2
17	Richardson Extrapolation combined with the sequential splitting procedure and the $\hat{I}_r$ -method. Central European Journal of Mathematics, 2012, 10, 159-172.	0.7	10
18	Influence of Climatic Changes on Pollution Levels in Hungary and Surrounding Countries. Atmosphere, 2011, 2, 201-221.	2.3	21

#	ARTICLE	IF	CITATIONS
19	Solving Advection Equations by Applying the Crank-Nicolson Scheme Combined with the Richardson Extrapolation. International Journal of Differential Equations, 2011, 2011, 1-16.	0.8	3
20	Richardson Extrapolated Numerical Methods for Treatment of One-Dimensional Advection Equations. Lecture Notes in Computer Science, 2011, , 198-206.	1.3	1
21	Efficient implementation of stable Richardson Extrapolation algorithms. Computers and Mathematics With Applications, 2010, 60, 2309-2325.	2.7	32
22	Special Issue on Advanced Computational Algorithms: Introduction. Journal of Computational and Applied Mathematics, 2010, 235, 345-347.	2.0	0
23	Stability of the Richardson Extrapolation applied together with the $\hat{\Delta}$ -method. Journal of Computational and Applied Mathematics, 2010, 235, 507-517.	2.0	24
24	On Some Stability Properties of the Richardson Extrapolation Applied Together with the $\hat{\Delta}$ -Method. Lecture Notes in Computer Science, 2010, , 54-66.	1.3	1
25	Richardson-extrapolated sequential splitting and its application. Journal of Computational and Applied Mathematics, 2009, 226, 218-227.	2.0	11
26	Special issue on advanced numerical algorithms for large-scale computations: Introduction. Computers and Mathematics With Applications, 2008, 55, 2183-2184.	2.7	0
27	Relationship between vanishing splitting errors and pairwise commutativity. Applied Mathematics Letters, 2008, 21, 10-14.	2.7	2
28	Wave analysis for different splittings of the shallow water equations on the $\hat{\Delta}^2$ -plane. Computers and Mathematics With Applications, 2008, 55, 2295-2305.	2.7	2
29	Additive and iterative operator splitting methods and their numerical investigation. Computers and Mathematics With Applications, 2008, 55, 2266-2279.	2.7	12
30	Different splitting techniques with application to air pollution models. International Journal of Environment and Pollution, 2008, 32, 174.	0.2	10
31	Consistency Analysis of Operator Splitting Methods for C0-Semigroups Expression. Semigroup Forum, 2007, 74, 125-139.	0.6	15
32	Dispersion Analysis of Operator Splittings in the Linearized Shallow Water Equations. Lecture Notes in Computer Science, 2006, , 355-362.	1.3	0
33	On the convergence and local splitting error of different splitting schemes. Progress in Computational Fluid Dynamics, 2005, 5, 495.	0.2	18
34	Testing weighted splitting schemes on a one-column transport-chemistry model. International Journal of Environment and Pollution, 2004, 22, 3.	0.2	14
35	Trends of Hungarian air pollution levels on a long time-scale. Atmospheric Environment, 2002, 36, 4145-4156.	4.1	41
36	Efficient implementation of advanced Richardson Extrapolation in an atmospheric chemical scheme. Journal of Mathematical Chemistry, 0, , 1.	1.5	2