

# Martin Horvat

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

657  
citations

687363

13  
h-index

580821

25  
g-index

43  
all docs

43  
docs citations

43  
times ranked

716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale-dependent estimates of the growth of forecast uncertainties in a global prediction system. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 69, 1287492.	1.7	9
2	Calculation of multiphoton ionization amplitudes and cross sections of few-electron atoms. <i>Physical Review A</i> , 2021, 103, .	2.5	2
3	Detection of coupling in Duffing oscillator systems. <i>Chaos</i> , 2021, 31, 063130.	2.5	2
4	An assessment of scale-dependent variability and bias in global prediction models. <i>Climate Dynamics</i> , 2020, 54, 287-306.	3.8	9
5	Physics of Eclipsing Binaries. IV. The Impact of Interstellar Extinction on the Light Curves of Eclipsing Binaries. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 63.	7.7	37
6	Bolometric Treatment of Irradiation Effects: General Discussion and Application to Binary Stars. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 36.	7.7	17
7	The Effects of Barycentric and Asymmetric Transverse Velocities on Eclipse and Transit Times. <i>Astrophysical Journal</i> , 2018, 854, 163.	4.5	2
8	Computational Methods in Physics. <i>Graduate Texts in Physics</i> , 2018, , .	0.2	21
9	Matrix Methods. <i>Graduate Texts in Physics</i> , 2018, , 121-186.	0.2	0
10	Physics of Eclipsing Binaries. III. Spin-Orbit Misalignment. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 26.	7.7	48
11	Modeling and Analysis of Time Series. <i>Graduate Texts in Physics</i> , 2018, , 325-390.	0.2	0
12	PHYSICS OF ECLIPSING BINARIES. II. TOWARD THE INCREASED MODEL FIDELITY. <i>Astrophysical Journal, Supplement Series</i> , 2016, 227, 29.	7.7	200
13	Relativistic Positioning System in perturbed spacetime. <i>Classical and Quantum Gravity</i> , 2015, 32, 215004.	4.0	9
14	The discriminatory value of cardiorespiratory interactions in distinguishing awake from anaesthetised states: a randomised observational study. <i>Anaesthesia</i> , 2015, 70, 1356-1368.	3.8	71
15	An autonomous reference frame for relativistic positioning system. , 2015, , .		0
16	Transport in a disordered tight-binding chain with dephasing. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	47
17	Railway switch transport model. <i>Physical Review E</i> , 2012, 86, 052102.	2.1	17
18	Difference Methods for One-Dimensional PDE. <i>Graduate Texts in Physics</i> , 2012, , 467-517.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Computational Methods for Physicists. Graduate Texts in Physics, 2012, , .	0.2	24
20	Basics of Numerical Analysis. Graduate Texts in Physics, 2012, , 1-55.	0.2	1
21	Difference Methods for PDE in Several Dimensions. Graduate Texts in Physics, 2012, , 519-573.	0.2	0
22	Transformations of Functions and Signals. Graduate Texts in Physics, 2012, , 159-205.	0.2	0
23	Modeling and Analysis of Time Series. Graduate Texts in Physics, 2012, , 277-333.	0.2	0
24	Statistical Analysis and Modeling of Data. Graduate Texts in Physics, 2012, , 207-275.	0.2	0
25	Spectral Methods for PDE. Graduate Texts in Physics, 2012, , 575-620.	0.2	0
26	Initial-Value Problems for ODE. Graduate Texts in Physics, 2012, , 335-400.	0.2	0
27	Solving Non-linear Equations. Graduate Texts in Physics, 2012, , 57-108.	0.2	0
28	Matrix Methods. Graduate Texts in Physics, 2012, , 109-157.	0.2	0
29	Nanocoolers. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P10026.	2.3	2
30	Exactly solvable model of a highly efficient thermoelectric engine. Physical Review E, 2009, 80, 010102.	2.1	15
31	The ensemble of random Markov matrices. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P07005.	2.3	11
32	A hybrid method for calculation of Ruelleâ€™Pollicott resonances. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 465101.	2.1	1
33	On ergodic and mixing properties of the triangle map. Physica D: Nonlinear Phenomena, 2009, 238, 395-415.	2.8	18
34	Triangle Map and Its Ergodic Properties. , 2008, , .		0
35	The bends on a quantum waveguide and cross-products of Bessel functions. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 6349-6379.	2.1	6
36	Dynamical approach to chains of scatterers. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 11593-11606.	2.1	3

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37	The Egorov property in perturbed cat maps. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 9771-9781.	2.1	2
38	Exponential complexity of an adiabatic algorithm for an NP-complete problem. Physical Review A, 2006, 73, .	2.5	49
39	Quantumâ€œclassical correspondence on compact phase space. Nonlinearity, 2006, 19, 1471-1493.	1.4	3
40	Uni-directional transport properties of a serpent billiard. Journal of Physics A, 2004, 37, 3133-3145.	1.6	20
41	Value Statistics of Chaotic Wigner Function. Progress of Theoretical Physics Supplement, 2003, 150, 348-352.	0.1	0
42	Wigner function statistics in classically chaotic systems. Journal of Physics A, 2003, 36, 4015-4034.	1.6	11