

Hans-Otto Walther

List of Publications by Year in descending order

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48
papers

1,029
citations

430874

18
h-index

434195

31
g-index

52
all docs

52
docs citations

52
times ranked

332
citing authors

#	ARTICLE	IF	CITATIONS
1	Chapter 5 Functional Differential Equations with State-Dependent Delays: Theory and Applications. Handbook of Differential Equations: Ordinary Differential Equations, 2006, 3, 435-545.	0.2	182
2	The solution manifold and C1-smoothness for differential equations with state-dependent delay. Journal of Differential Equations, 2003, 195, 46-65.	2.2	124
3	Existence of chaos in control systems with delayed feedback. Journal of Differential Equations, 1983, 47, 273-295.	2.2	95
4	Unique Periodic Orbits for Delayed Positive Feedback and the Global Attractor. Journal of Dynamics and Differential Equations, 2001, 13, 1-57.	1.9	42
5	On a Model for Soft Landing with State-Dependent Delay. Journal of Dynamics and Differential Equations, 2007, 19, 593-622.	1.9	41
6	Hyperbolic sets, transversal homoclinic trajectories, and symbolic dynamics for C1-maps in banach spaces. Journal of Dynamics and Differential Equations, 1990, 2, 325-365.	1.9	35
7	A theorem on the amplitudes of periodic solutions of differential delay equations with applications to bifurcation. Journal of Differential Equations, 1978, 29, 396-404.	2.2	33
8	Density of slowly oscillating solutions of $\dot{x}(t) = \hat{a}^{-1}f(x(t - \hat{a}^{-1}))$. Journal of Mathematical Analysis and Applications, 1981, 79, 127-140.	1.0	31
9	A periodic solution of a differential equation with state-dependent delay. Journal of Differential Equations, 2008, 244, 1910-1945.	2.2	30
10	Bifurcation from periodic solutions in functional differential equations. Mathematische Zeitschrift, 1983, 182, 269-289.	0.9	29
11	Contracting return maps for monotone delayed feedback. Discrete and Continuous Dynamical Systems, 2001, 7, 259-274.	0.9	22
12	Chaotic Motion Generated by Delayed Negative Feedback Part II: Construction of Nonlinearities. Mathematische Nachrichten, 1996, 180, 141-211.	0.8	22
13	Topics in Delay Differential Equations. Deutsche Mathematiker Vereinigung Jahresbericht, 2014, 116, 87-114.	1.1	21
14	Linearized Stability for Semiflows Generated by a Class of Neutral Equations, with Applications to State-Dependent Delays. Journal of Dynamics and Differential Equations, 2010, 22, 439-462.	1.9	20
15	On a Model of a Currency Exchange Rate ? Local Stability and Periodic Solutions. Journal of Dynamics and Differential Equations, 2004, 16, 393-432.	1.9	19
16	On the Floquet Multipliers of Periodic Solutions to Non-linear Functional Differential Equations. Journal of Dynamics and Differential Equations, 2006, 18, 257-355.	1.9	19
17	Stable Periodic Motion of a System Using Echo for Position Control. Journal of Dynamics and Differential Equations, 2003, 15, 143-223.	1.9	18
18	The 2-dimensional attractor of $\hat{a} \in \mathbb{T}^m$ $(?) = -??(?) + ?(?(?-1))$. Memoirs of the American Mathematical Society, 1995, 113, 0-0.	0.9	16

#	ARTICLE	IF	CITATIONS
19	Bifurcation of periodic solutions with large periods for a delay differential equation. <i>Annali Di Matematica Pura Ed Applicata</i> , 2006, 185, 577-611.	1.0	14
20	Algebraic-Delay Differential Systems, State-Dependent Delay, and Temporal Order of Reactions. <i>Journal of Dynamics and Differential Equations</i> , 2009, 21, 195-232.	1.9	14
21	Hyperbolic periodic solutions, heteroclinic connections and transversal homoclinic points in autonomous differential delay equations. <i>Memoirs of the American Mathematical Society</i> , 1989, 79, 0-0.	0.9	14
22	Characteristic Multipliers and Stability of Symmetric Periodic Solutions of $\dot{x}(t) = g(x(t-1))$. <i>Transactions of the American Mathematical Society</i> , 1988, 307, 127.	0.9	13
23	Differential equations with locally bounded delay. <i>Journal of Differential Equations</i> , 2012, 252, 3001-3039.	2.2	13
24	On instability, \hat{I}_τ -limit sets and periodic solutions of nonlinear autonomous differential delay equations. <i>Lecture Notes in Mathematics</i> , 1979, , 489-503.	0.2	12
25	Center-stable manifolds for differential equations with state-dependent delays. <i>Discrete and Continuous Dynamical Systems</i> , 2009, 23, 1009-1033.	0.9	12
26	Stability of attractivity regions for autonomous functional differential equations. <i>Manuscripta Mathematica</i> , 1975, 15, 349-363.	0.6	11
27	On Poisson's state-dependent delay. <i>Discrete and Continuous Dynamical Systems</i> , 2013, 33, 365-379.	0.9	10
28	Convergence to square waves for a price model with delay. <i>Discrete and Continuous Dynamical Systems</i> , 2005, 13, 1325-1342.	0.9	9
29	More on Linearized Stability for Neutral Equations with State-Dependent Delays. <i>Differential Equations and Dynamical Systems</i> , 2011, 19, 315-333.	1.0	8
30	A Homoclinic Loop Generated by Variable Delay. <i>Journal of Dynamics and Differential Equations</i> , 2015, 27, 1101-1139.	1.9	8
31	Stable periodic motion of a delayed spring. <i>Topological Methods in Nonlinear Analysis</i> , 2003, 21, 1.	0.2	7
32	Solution manifolds which are almost graphs. <i>Journal of Differential Equations</i> , 2021, 293, 226-248.	2.2	6
33	Unstable hyperbolic periodic solutions of differential delay equations. , 1992, , 301-316.		6
34	Operon dynamics with state dependent transcription and/or translation delays. <i>Journal of Mathematical Biology</i> , 2022, 84, 2.	1.9	6
35	Merging homoclinic solutions due to state-dependent delay. <i>Journal of Differential Equations</i> , 2015, 259, 473-509.	2.2	5
36	A Shilnikov Phenomenon Due to State-Dependent Delay, by Means of the Fixed Point Index. <i>Journal of Dynamics and Differential Equations</i> , 2016, 28, 627-688.	1.9	5

#	ARTICLE	IF	CITATIONS
37	Semiflows for Neutral Equations with State-Dependent Delays. Fields Institute Communications, 2013, , 211-267.	1.3	4
38	Response of an oscillatory differential delay equation to a single stimulus. Journal of Mathematical Biology, 2017, 74, 1139-1196.	1.9	4
39	A Delay Differential Equation with a Solution Whose Shortened Segments are Dense. Journal of Dynamics and Differential Equations, 2019, 31, 1495-1523.	1.9	3
40	Evolution Systems for Differential Equations with Variable Time Lags. Journal of Mathematical Sciences, 2014, 202, 911-933.	0.4	2
41	Solutions with dense short segments from regular delays. Journal of Differential Equations, 2020, 268, 6821-6871.	2.2	2
42	Floquet Multipliers of a Periodic Solution Under State-Dependent Delay. Journal of Dynamics and Differential Equations, 2024, 36, 25-52.	1.9	1
43	Dense Short Solution Segments from Monotonic Delayed Arguments. Journal of Dynamics and Differential Equations, 2022, 34, 2867-2900.	1.9	1
44	Differentiability in Fréchet spaces and delay differential equations. Electronic Journal of Qualitative Theory of Differential Equations, 2019, , 1-44.	0.5	1
45	Bifurcation of periodic solutions with large periods for a delay differential equation. Annali Di Matematica Pura Ed Applicata, 2006, 185, 577.	1.0	1
46	On solution manifolds of differential systems with discrete state-dependent delays. Discrete and Continuous Dynamical Systems - Series S, 2022, .	1.1	1
47	On the solution manifold of a differential equation with a delay which has a zero. Electronic Journal of Qualitative Theory of Differential Equations, 2022, , 1-10.	0.5	1
48	John Mallet-Paret 60. Journal of Dynamics and Differential Equations, 2016, 28, 595-603.	1.9	0