

# Michal Pospisil

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

598  
citations

687363

13  
h-index

642732

23  
g-index

56  
all docs

56  
docs citations

56  
times ranked

194  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | On the New Control Functions for Linear Discrete Delay Systems. SIAM Journal on Control and Optimization, 2014, 52, 1745-1760.  | 2.1 | 62        |
| 2  | Sufficient conditions for the asymptotic stability of nonlinear multidelay differential equations with linear parts defined by pairwise permutable matrices. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 3348-3363. | 1.1 | 61        |
| 3  | Stability and the nonexistence of blowing-up solutions of nonlinear delay systems with linear parts defined by permutable matrices. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3903-3911.                          | 1.1 | 52        |
| 4  | Representation of a solution of the Cauchy problem for an oscillating system with two delays and permutable matrices. Ukrainian Mathematical Journal, 2013, 65, 64-76.  | 0.5 | 49        |
| 5  | Representation and stability of solutions of systems of functional differential equations with multiple delays. Electronic Journal of Qualitative Theory of Differential Equations, 2012, , 1-30.                                     | 0.5 | 39        |
| 6  | Representation of solutions of delayed difference equations with linear parts given by pairwise permutable matrices via $\mathcal{Z}$ -transform. Applied Mathematics and Computation, 2017, 294, 180-194.                            | 2.2 | 35        |
| 7  | Nonexistence of periodic solutions and S-asymptotically periodic solutions in fractional difference equations. Applied Mathematics and Computation, 2015, 257, 230-240.   | 2.2 | 25        |
| 8  | Relative Controllability of Neutral Differential Equations with a Delay. SIAM Journal on Control and Optimization, 2017, 55, 835-855.   | 2.1 | 17        |
| 9  | ASYMPTOTIC INTEGRATION OF FRACTIONAL DIFFERENTIAL EQUATIONS WITH INTEGRODIFFERENTIAL RIGHT-HAND SIDE. Mathematical Modelling and Analysis, 2015, 20, 471-489.   | 1.5 | 16        |
| 10 | Representation of Solutions of Systems of Linear Differential Equations with Multiple Delays and Linear Parts Given by Nonpermutable Matrices. Journal of Mathematical Sciences, 2018, 228, 276-289.                                  | 0.4 | 15        |
| 11 | On the representation of solutions of delayed differential equations via Laplace transform. Electronic Journal of Qualitative Theory of Differential Equations, 2016, , 1-13.   | 0.5 | 15        |
| 12 | Bifurcation from Family of Periodic Orbits in Discontinuous Autonomous Systems. Differential Equations and Dynamical Systems, 2012, 20, 207-234.  | 1.0 | 14        |
| 13 | On Equations with Generalized Periodic Right-Hand Side. Ukrainian Mathematical Journal, 2018, 70, 288-318.  | 0.5 | 14        |
| 14 | On exponential stability of nonlinear fractional multidelay integro-differential equations defined by pairwise permutable matrices. Applied Mathematics and Computation, 2014, 227, 456-468.  | 2.2 | 13        |
| 15 | Bifurcation of sliding periodic orbits in periodically forced discontinuous systems. Nonlinear Analysis: Real World Applications, 2013, 14, 150-162.  | 1.7 | 12        |
| 16 | REPRESENTATION OF SOLUTIONS OF SYSTEMS OF LINEAR DIFFERENTIAL EQUATIONS WITH MULTIPLE DELAYS AND NONPERMUTABLE VARIABLE COEFFICIENTS. Mathematical Modelling and Analysis, 2020, 25, 303-322.   | 1.5 | 12        |
| 17 | Representation of a Solution of the Cauchy Problem for an Oscillating System with Multiple Delays and Pairwise Permutable Matrices. Abstract and Applied Analysis, 2013, 2013, 1-10.  | 0.7 | 11        |
| 18 | Nonoscillation of half-linear dynamic equations on time scales. Mathematical Methods in the Applied Sciences, 2021, 44, 8775-8797.  | 2.3 | 9         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Periodic Travelling Waves of Forced FPU Lattices. <i>Journal of Dynamics and Differential Equations</i> , 2013, 25, 795-820.  | 1.9 | 8         |
| 20 | Dynamics of generalized PT-symmetric dimers with time-periodic gain&loss. <i>Nonlinear Dynamics</i> , 2015, 81, 353-371.  | 5.2 | 8         |
| 21 | New global bifurcation diagrams for piecewise smooth systems: Transversality of homoclinic points does not imply chaos. <i>Journal of Differential Equations</i> , 2019, 266, 1429-1461.  | 2.2 | 8         |
| 22 | Note on weakly fractional differential equations. <i>Advances in Difference Equations</i> , 2019, 2019, .   | 3.5 | 7         |
| 23 | Travelling Waves in Nonlinear Magnetic Metamaterials. <i>Advances in Dynamics, Patterns, Cognition</i> , 2014, , 335-358.   | 0.3 | 6         |
| 24 | On relative controllability of delayed difference equations with multiple control functions. <i>AIP Conference Proceedings</i> , 2015, , .  | 0.4 | 6         |
| 25 | Representation of solutions of neutral differential equations with delay and linear parts defined by pairwise permutable matrices. <i>Miskolc Mathematical Notes</i> , 2015, 16, 423.   | 0.6 | 6         |
| 26 | Bifurcation from single periodic orbit in discontinuous autonomous systems. <i>Applicable Analysis</i> , 2013, 92, 1085-1100.   | 1.3 | 5         |
| 27 | Travelling waves in nonlinear magneto-inductive lattices. <i>Journal of Differential Equations</i> , 2016, 260, 1717-1746.  | 2.2 | 5         |
| 28 | Note on fractional difference Gronwall inequalities. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2014, , 1-18.  | 0.5 | 5         |
| 29 | Forced Fermi-Pasta-Ulam lattice maps. <i>Miskolc Mathematical Notes</i> , 2013, 14, 63.   | 0.6 | 5         |
| 30 | Difference equations with impulses. <i>Opuscula Mathematica</i> , 2019, 39, 5-22.   | 0.8 | 5         |
| 31 | Observability of difference equations with a delay. , 2013, , .   |     | 4         |
| 32 | Persistence of periodic orbits in periodically forced impact systems. <i>Mathematica Slovaca</i> , 2014, 64, .  | 0.6 | 4         |
| 33 | Relative controllability of delayed difference equations to multiple consecutive states. <i>AIP Conference Proceedings</i> , 2017, , .  | 0.4 | 4         |
| 34 | On the existence and exponential stability for differential equations with multiple constant delays and nonlinearity depending on fractional substantial integrals. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2019, , 1-17. | 0.5 | 4         |
| 35 | Discretization of dynamical systems with first integrals. <i>Discrete and Continuous Dynamical Systems</i> , 2013, 33, 3543-3554.   | 0.9 | 4         |
| 36 | Non-oscillation criterion for Euler type half-linear difference equations with consequences in linear case. <i>Acta Mathematica Hungarica</i> , 2022, 166, 624-649.   | 0.5 | 3         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Bifurcation of travelling waves in implicit nonlinear lattices: applications in metamaterials. <i>Applicable Analysis</i> , 2017, 96, 578-589.                             | 1.3 | 2         |
| 38 | On the Position of Chaotic Trajectories. <i>Journal of Dynamics and Differential Equations</i> , 2017, 29, 1423-1458.  | 1.9 | 2         |
| 39 | Gain-driven travelling waves in PT-symmetric nonlinear metamaterials. <i>Wave Motion</i> , 2018, 76, 9-18.   | 2.0 | 2         |
| 40 | An introductory example. , 2016, , 1-6.  |     | 2         |
| 41 | Periodically Forced Nonlinear Oscillatory Acoustic Vacuum. <i>Axioms</i> , 2018, 7, 69.  | 1.9 | 1         |
| 42 | Averaging methods for piecewise-smooth ordinary differential equations. <i>AIMS Mathematics</i> , 2019, 4, 1466-1487.  | 1.6 | 1         |
| 43 | Bifurcation from family of periodic orbits in autonomous systems. , 2016, , 39-69.   |     | 0         |
| 44 | Periodically forced impact systems. , 2016, , 125-141.   |     | 0         |
| 45 | Sliding solution of periodically perturbed systems. , 2016, , 87-104.  |     | 0         |
| 46 | Impact periodic orbits. , 2016, , 189-219.   |     | 0         |
| 47 | Bifurcation from family of periodic orbits in forced billiards. , 2016, , 143-151.   |     | 0         |
| 48 | Transversal periodic orbits. , 2016, , 157-169.  |     | 0         |
| 49 | Sliding periodic orbits. , 2016, , 171-187.  |     | 0         |
| 50 | Bifurcation from single periodic orbit in autonomous systems. , 2016, , 71-86.   |     | 0         |
| 51 | Weakly coupled oscillators. , 2016, , 105-119.   |     | 0         |
| 52 | Approximation and dynamics. , 2016, , 221-226.   |     | 0         |
| 53 | Periodically forced discontinuous systems. , 2016, , 9-38.   |     | 0         |
| 54 | Stability and feedback stabilizability of delay periodic differential equations with pairwise permutable matrix functions. <i>Mathematica Slovaca</i> , 2022, 72, 379-396. | 0.6 | 0         |