Distinguished Guest Professor ZHOU, YONG

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Academic Qualification

Ph.D. in Computational Mathematics, Xiangtan University, 2004
M.S. in Applied Mathematics, Hunan University, 1991
B.S. Mathematics, Xiangtan University, 1985

Teaching Area

Mathematical Analysis
Differential Equations
Fractional Calculus

Research Area

Fractional ODEs and PDEs
Evolution Equations
Control Theory

Working Experience

Distinguished Guest Professor, Faculty of Information Technology, Macau University of Science and Technology, 2018 - present
Full Professor, School of Mathematics and Computational Science, Xiangtan University, 2000 - present
Associate Professor, Department of Mathematics, Xiangtan University, 1996 - 2000
Lecturer, Department of Mathematics, Xiangtan University, 1992 - 1996

Academic Publication（selected）

D.H. Chen, R.N. Wang, Y. Zhou, Nonlinear evolution inclusions: Topological characterizations of solution sets and applications, Journal of Functional Analysis, 265 (2013) 2039-2073.

R.N. Wang, Q. H. Ma, Y. Zhou, Topological theory of non-autonomous parabolic evolution inclusions on a noncompact interval and applications, Mathematische Annalen, 362(2015), 173-203.
J.R. Wang, M. Feckan and Y. Zhou, Fractional order differential switched systems with coupled nonlocal initial and impulsive conditions, Bulletin des Sciences Mathematiques, 141(2017), 727-746.
Y. Zhou, L. Peng, Topological properties of solutions sets for partial functional evolution inclusions, Comptes rendus Mathematique, 355 (2017), 45–64.

N.H. Tuan, T.B. Ngoc, Y. Zhou and D. O'Regan, On existence and regularity of a terminal value problem for the time fractional diffusion equation, Inverse Problems, 36(2020): 055011.

N.T. Bao, T. Caraballo, N.H. Tuan, Y. Zhou, Existence and regularity results for terminal value problem for nonlinear fractional wave equations, Nonlinearity, 34(2021), 1448-1502.

J.W. He, Y. Zhou, On a backward problem for nonlinear time fractional wave equations, Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 152(2022), 1589-1612.

J.N. Wang, Y. Zhou, et al. Well-posedness and regularity of fractional Rayleigh–Stokes problems, Zeitschrift für angewandte Mathematik und Physik, 73(4) (2022), 161.

L. Peng, Y. Zhou, The analysis of approximate controllability for distributed order fractional diffusion problems, Applied Mathematics & Optimization, 86(2)(2022), 22.

Monographs

Y. Zhou, Basic Theory of Fractional Differential Equations, World Scientific, Singapore, 2014.

Y. Zhou, Fractional Evolution Equations and Inclusions: Analysis and Control, Academic Press, 2016.
Y. Zhou, R. Wang, L. Peng, Topological Structure of the Solution Set for Evolution Inclusions, Springer, 2017.

Y. Zhou, B. Ahmad, A. Alsaedi, Theory of Fractional Evolution Equations, De Gruyter, 2022.

Y. Zhou, Basic Theory of Fractional Differential Equations, 3rd Edition, World Scientific, Singapore, 2023.

Part of the Research Projects
National Natural Science Foundation of P.R. China, 2021-2024
National Natural Science Foundation of P.R. China, 2017-2020
National Natural Science Foundation of P.R. China, 2013-2016
National Natural Science Foundation of P.R. China, 2010-2012
National Natural Science Foundation of P.R. China, 2004-2005
Macau Science and Technology Development Fund, 2023-2024
Macau Science and Technology Development Fund, 2019-2020

Awards

Second Prize of Chinese University Natural Science Award, 2000
Second Prize of Natural Science Award of Hunan Province, 2017
Second Prize of Natural Science Award of Hunan Province, 2021
First Prize of Natural Science Award of Guizhou Province, 2021
Highly Cited Researchers, Thompson Reuters, 2014
Highly Cited Researchers, Clarivate Analytics, 2015-2021

Editorship

Editorial Board Member, Fractional Calculus and Applied Analysis (Springer), 2021 - present

Associate Editor, IEEE Transactions on Fuzzy Systems, 2011 - 2012

Associate Editor, Journal of Applied Mathematics & Computing (Springer), 2007 - 2009

Editor in Chief, Int. J. Dynamical Systems and Differential Equations (Inderscience,UK), 2007-2012