# 2023年教师发表论文汇总

| 序号 | 教师 | 作者 | 论文名称 | 刊物名称 |
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| 1 | 程涛 | 程涛，Peng Jiang, Shanshuang Yang | Quasisymmetry and solidity of quasiconformal maps in metric spaces | Studia Mathematica |
| 2 | 杜荣 | 杜荣，Xinyi Fang, P. Ren | Homogeneous ACM bundles on isotropic Grassmannians | Forum Mathematicum |
| 3 | 杜荣 | 杜荣，Xinyi Fang, Y. Gao | Vector bundles on Flag varieties | Mathematische Nachrichten |
| 4 | 焦翔宇 | 焦翔宇 | Vertex operator algebras with positive central charges whose dimensions of weight one spaces are 8 and 16 | journal of algebra |
| 5 | 黎芳 | Jing Yu, Fang Li（黎芳）, and Xuyue Hu | Two-Stage Decolorization Based on Histogram Equalization and Local Variance Maximization | SIAM Journal on Imaging Sciences |
| 6 | 黎芳 | Fang Li（黎芳），Famin Fang, Zhi Li, Tieyong Zeng | Single image noise level estimation by artificial noise | Signal Processing |
| 7 | 黎芳 | Fang Li（黎芳），Xiaoguang Lv | A Nonconvex Nonsmooth Image Prior Based on the Hyperbolic Tangent Function | Journal of Scientific Computing |
| 8 | 黎芳 | Fang Li（黎芳），Tingting Li | A truncated generalized Huber prior for image smoothing | Applied Mathematical Modelling |
| 9 | 黎芳 | Deliang Wei, Peng Chen, Fang Li（黎芳） and Xiangyun Zhang | Efficient second-order optimization with predictions in differential games | OPTIMIZATION METHODS & SOFTWARE |
| 10 | 黎芳 | Deliang Wei, Fang Li（黎芳），Shiyang Weng | Cauchy Noise Removal via Convergent Plug-and-Play Framework with Outliers Detection | Journal of Scientific Computing |
| 11 | 黎芳 | Deliang Wei, Shiyang Weng, Fang Li（黎芳） | Nonconvex Rician noise removal via convergent plug-and-play framework | Applied Mathematical Modelling |
| 12 | 黎前锋 | 黎前锋；Yongqian Zhang | The global Lipschitz solution for a peeling model | ACTA MATHEMATICA SCIENTIA |
| 13 | 范良火、李娜 | 范良火*, Lingzhu Li, Qiuyu Chen,李娜 * | How Is Educational Gamification Represented in School Curriculum? An Investigation of Chinese Secondary Mathematics Textbooks | Sustainability |
| 14 | 范良火、李淑惠 | 李淑惠、李 上、范良火 | 我国高考数学应该引入计算器吗？——基于对 30 个国家和地区高考政策和实践的调查及思考 | 华东师范大学学报(教育科学版) |
| 15 | 范良火、李淑慧 | 李淑惠、范良火 | 中美数学教材如何反映数学联结？————一项聚焦于圆锥曲线内容的比较研究 | 全球教育展望 |
| 16 | 范良火、李淑惠 | 范良火, Xie, S. Luo, J., Li, L., Tang, J., & 李淑惠 | Teachers' perceptions of less successfully organized professional development practices in mathematics: A study of nine secondary schools in Shanghai, China. | Journal of Mathematics Teacher Education |
| 17 | 李淑慧 | Katherine Riding, Dan O'Brien, Maryam Ibrahim, Wenfei Du, 李淑惠, Bohan Liu and Alison Clark-Wilson | Augmented reality manipulatives: New mathematical tools for classrooms | Mathematics Teaching |

| 18 | 李玉奇 | 李玉奇 | Numerical finite-gap integration of the Zabusky–Kruskal problem | Nonlinearity |
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| 19 | 林华新 | 龚贵华；林华新;牛壮 | Homomorphisms into simple $Z$-stable $C*$-algebras, II | Journal of Noncommutative Geometry |
| 20 | 林华新 | 林华新 | Hereditary uniform property | Science China-Mathematics |
| 21 | 林华新 | 林华新；Ng, Ping Wong | Extensions of $C*$-algebras by a small ideal | International Mathematics Research Notices |
| 22 | 林华新 | 符玄龙,李康，林华新 | Tracial approximate divisibility and stable rank one | Journal of the London Mathematical Society-Second Series |
| 23 | 刘博 | 刘博 | Bismut–Cheeger Eta Form and Higher Spectral Flow | International Mathematics Research Notices |
| 24 | 刘兴波 | Li, Zhengkang;刘兴波 | Impact limit cycles in the planar piecewise linear hybrid systems | COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION |
| 25 | 刘兴波 | Hua, Duo；刘兴波 | Dynamical analysis in a piecewise smooth predator-prey model with predator harvesting | INTERNATIONAL JOURNAL OF BIOMATHEMATICS |
| 26 | 刘兴波 | Zhu, Zirui；刘兴波 | Singular perturbation analysis for a Holling-Tanner model with additive Allee effect | INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS |
| 27 | 刘兴波 | Li, Zhengkang；刘兴波 | Singular perturbation analysis in a coupled Chua's circuit with diffusion | CHAOS |
| 28 | 刘兴波 | Hua, Duo；刘兴波 | Computer-assisted analysis of chaos in a three-species food chain model | STUDIES IN APPLIED MATHEMATICS |
| 29 | 刘治国 | 刘治国 | A q-operational equation and the Rogers-Szegő polynomials | Science China-Mathematics |
| 30 | 刘治国 | 刘治国 | A Multiple q-translation Formula and Its Implications | Acta Mathematica Sinica-English Series |
| 31 | 刘治国 | 刘治国 | A multiple q-exponential differential operational identity | Acta Mathematica Scientia |
| 32 | 刘治国 | 刘治国 | The Kronecker theta function and a decomposition theorem for theta functions I. | Ramanujan Journal |
| 33 | 罗栗 | Z.Fan, C.Lai, Y.Li, 罗栗, W.Wang | Affine Hecke algebras and quantum symmetric pairs | Memoirs of the American Mathematical Society |
| 34 | 罗栗 | J.Chen, 罗栗 | Multiplication formulas and isomorphism theorem of iSchur superalgebras | Journal of Pure and Applied Algebra |
| 35 | 罗马 | 罗马 | Algebraic de Rham theory for the relative completion of SL_2(Z) | Transactions of the American Mathematical Society |
| 36 | 潘建瑜 | 郭小丰，潘建瑜 | Approximate inverse preconditioners for linear systems arising from spatial balanced fractional di usion equations | AIMS Mathematics |
| 37 | 潘建瑜 | 沙璠，潘建瑜 | Accelerating Stochastic Newton Method via Chebyshev Polynomial Approximation | Advances in Knowledge Discovery and Data Mining, Lecture Notes in Artificial Intelligence 13936 |

| 38 | 王勤 | Deng, Jintao; 王勤Wang, Qin; Yu, Guoliang | The coarse Baum–Connes conjecture for certain relative expanders | Advances in Mathematics |
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| 39 | 王勤 | Guo, Liang; Luo, Zheng; 王勤Wang, Qin; Zhang, Yazhou | The twisted coarse Baum–Connes conjecture with coefficients in coarsely proper algebras | Journal of Functional Analysis |
| 40 | 王勤 | Guo, Liang; Luo, Zheng; 王勤Wang, | A Bott periodicity theorem for $\ell$p-spaces and the coarse Novikov | Journal of Functional Analysis |
| 41 | 王元明 | 王元明；谢波 | A fractional Adams–Simpson-type method for nonlinear fractional ordinary differential equations with non-smooth data | BIT Numerical Mathematics |
| 42 | 王元明 | 郑紫云，王元明 | A second-order accurate Crank–Nicolson finite difference method on uniform meshes for nonlinear partial integro-differential equations with weakly singular kernels | Mathematics and Computers in Simulation |
| 43 | 王元明 | 王元明；谢波 | A fourth-order fractional Adams-type implicit–explicit method for nonlinear fractional ordinary differential equations with weakly singular solutions | Mathematics and Computers in Simulation |
| 44 | 吴颖康、鲍建生 | 李丹杨,吴颖康,徐红,蔡金法,鲍建生,杨悟道,闻凌晨 | 透过教师关注促进问题提出教学 | 全球教育展望 |
| 45 | 吴颖康 | 吴颖康， 蔡金法 | 学科教师教育者专业发展的困境、模型和路径 | 中小学教师培训 |
| 46 | 吴颖康 | 王郭晨，吴颖康 | 职前数学教师对学生关于平均数理解的注意、解释和决策：一项探索性调查 | 数学教学 |
| 47 | 吴颖康 | 吴颖康 | 认识数据的意义 | 中国数学教育 |
| 48 | 谢兵永 | 谢兵永 | On noncritical Galois representations | Journal of the Institute of Mathematics of Jussieu |
| 49 | 熊斌 | Peijie Jiang , Xiaomeng Ruan, Zirong Feng, Tommy Tanu Wijaya and 熊斌* | Research on online collaborative problem solving in the last 10 years: current status, hot spots and outlook – a knowledge graph analysis based on CiteSpace | Mathematics |
| 50 | 熊斌 | Peijie Jiang, Xiangjun Zhang, Xiaomeng Ruan, Zirong Feng, 熊斌* and Yanyun Jiang* | A comparative study of high school mathematics teachers' audible teaching language: A student satisfaction perspective | Frontiers in Psychology |
| 51 | 袁海荣 | 金云娟、屈爱芳、袁海荣 | Radon measure solutions to Riemann problems for isentropic compressible Euler equations of polytropic gases | Communications on Applied Mathematics and Computation |
| 52 | 袁海荣 | 屈爱芳、袁海荣 | Steady Compressible Euler Equations of Concentration Layers for Hypersonic-limit Flows Passing Three-dimensional Bodies and Generalized Newton–Busemann Pressure Law | Chinese Annals of Mathematics Series B |
| 53 | 袁龙图 | Cheng Chi, 袁龙图 | The structure of graphs with given lengths of cycles | Discrete Mathematics |
| 54 | 袁龙图 | Cheng Chi，袁龙图 | The Turán number for the edge blow-up of trees: The missing case | Discrete Mathematics |
| 55 | 袁龙图 | Xing Peng, Ge Song, 袁龙图 | Turán Number of Nonbipartite Graphs and the Product Conjecture | COMMUNICATIONS IN MATHEMATICS AND STATISTICS |
| 56 | 袁龙图 | Ming-Zhu Chen, Ning Wang, 袁龙图 Xiao-Dong Zhang | The bipartite Turán number and spectral extremum for linear forests | Linear Algebra and its Applications |

| 57 | 郑海标 | Atrout Sabah,Al Mahbub Md.Abdullah,郑海标 | Decoupled modified characteristics variational multiscale method for solving the blood solute dynamics model | MATHEMATICS AND COMPUTERS IN SIMULATION |
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| 58 | 郑海标 | Feng Shi, Yizhong Sun, 郑海标 | ENSEMBLE DOMAIN DECOMPOSITION ALGORITHM FOR THE FULLY MIXED RANDOM STOKES--DARCY MODEL WITH THE BEAVERS-JOSEPH INTERFACE CONDITIONS | SIAM JOURNAL ON NUMERICAL ANALYSIS |
| 59 | 郑海标 | Yuhong Zhang,Yao Rong,郑海标 | A STUDY OF NUMERICAL POLLUTION OF THE DECOUPLED ALGORITHM FOR THE CONVECTION MODEL IN SUPERPOSED FLUID AND POROUS LAYERS | SIAM JOURNAL ON NUMERICAL ANALYSIS |
| 60 | 郑海标 | Binbin Du, Jianguo Huang, 郑海标 | Two-level methods based on the Arrow‐Hurwicz iteration for the steady incompressible magnetohydrodynamic system | Numerical Methods for Partial Differential Equations |
| 61 | 郑海标 | Al Mahbub Md.Abdullah, Li Shan,郑海标 | Uncoupling evolutionary groundwater-surface water flows: stabilized mixed methods in both porous media and fluid regions | Numerical Algorithms |
| 62 | 朱升峰 | Jiajie Li; 朱升峰; Xiaoqin Shen | On mixed finite element approximations of shape gradients in shape optimization with the Navier‐Stokes equation | Numerical Methods for Partial Differential Equations |
| 63 | 朱升峰 | Yingyuan Li; Wenjing Yan; 朱升峰; Feifei Jing | Optimal error estimates of the discrete shape gradients for shape optimizations governed by the Stokes-Brinkman equations | Applied Numerical Mathematics |
| 64 | 朱升峰 | Fazlollah Soleymani;朱升峰 | Error and stability estimates of a time-fractional option pricing model under fully spatial‐temporal graded meshes | Journal of Computational and Applied Mathematics |
| 65 | 朱升峰 | Xiaoqin Shen; Rongfang Wu; 朱升峰 | Numerical method for two-dimensional linearly elastic clamped plate model | INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS |
| 66 | 朱升峰 | Xindi Hu; Meizhi Qian; 朱升峰 | Accelerating a phase feld method by linearization for eigenfrequency topology optimization | Structural and Multidisciplinary Optimization |
| 67 | 朱升峰 | Wei Fan; Xindi Hu; 朱升峰 | Modelling, analysis, and numerical methods for a geometric inverse source problem in variable-order time-fractional subdiffusion | Inverse Problems and Imaging |
| 68 | 朱升峰 | Jiajie Li; 朱升峰 | Shape Optimization of the Stokes Eigenvalue Problem | SIAM Journal on Scientific Computing |
| 69 | 朱升峰 | Wei Fan; Xindi Hu; 朱升峰 | Numerical Reconstrtion of a Discontinuous Diffusive Coefficient in Variable-Order Time-Fractional Subdiffusion | Journal of Scientific Computing |
| 70 | 朱升峰 | Chunxiao Liu; Xianliang Hu; 朱升峰 | A two-grid binary level set method for structural topology optimization | ENGINEERING OPTIMIZATION |
| 71 | 朱升峰 | Yixin Tan; 朱升峰 | A discontinuous Galerkin level set method using distributed shape gradient and topological derivatives for multi-material structural topology optimization | Structural and Multidisciplinary Optimization |
| 72 | 朱升峰 | Chunxiao Liu; 朱升峰 | On Finite Element Approximations to a Shape Gradient Flow in Shape Optimization of Elliptic Problems | Journal of Computational Mathematics |
| 73 | 周风 | Guo Zongming,Wan Fangshu,周风 | Positive singular solutions of a nonlinear Maxwell equation arising in | Journal of Differential Equations |
| 74 | 周风 | Chen Huyuan, 周风 | Qualitative properties of singular solutions of Choquard equations | Advances in Differential Equations |
| 75 | 周风 | Chen Huyuan, 周风 | On isolated singular solutions of semilinear Helmholtz equation | Discrete and Conyinous Dynamical |
| 76 | 胡乃红 | Hu Xiaoli,胡乃红, Yu Bing, Jing | Enhanced quantum channel uncertainty relations by skew | Quantum Information Processing |
| 77 | 胡乃红 | Chen Xiaoyu, 胡乃红, Wang Xiuling | Convex PBW-type Lyndon bases and restricted two-parameter quantum | Acta Math. Sin. (Engl. Ser.) |

| 78 | 胡乃红 | Zheng Yiwei,Gao Yun, 胡乃红，Shi | On some classification of finite-dimensional Hopf algebras over the | Communications in Algebra |
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| 79 | 傅显隆 | Jianbo Zhu;傅显隆 | Existence and differentiability of solutions for nondensely defined | Bulletin of the Malaysian |
| 80 | 傅显隆 | Yan, Dongxue; Yuan, Yuan;;傅显隆 | Asymptotic analysis of an age-structured predator-prey model with | Evolution Equations and Control |
| 81 | 傅显隆 | Cao, Nan;傅显隆 | Existence and asymptotic properties of solutions of an integro- | Journal of Fixed Point Theory and |
| 82 | 傅显隆 | Cao Nan;傅显隆 | On solutions of a class of neutral evolution equations with discrete | JOURNAL OF MATHEMATICAL PHYSICS |
| 83 | 傅显隆 | Cao Nan;傅显隆 | Stationary distribution and extinction of a Lotka-Volterra model with | CHAOS SOLITONS & FRACTALS |
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| 87 | 傅显隆 | Yuan, Yuan; Yan, Dongxue;傅显隆 | Stability and persistence of a SEIRS model with multiple ages and | COMMUNICATIONS ON PURE AND APPLIED |
| 88 | 傅显隆 | Cao, Nan;傅显隆 | On approximate controllability of semi-linear neutral integro-differential evolution systems with state-dependent nonlocal conditions | Fractional Calculus and Applied Analysis |
| 89 | 周国栋 | Guo, Shuangjian; Qin, Yufei; Wang, | Deformations and cohomology theory of Rota-Baxter 3-Lie algebras of | Journal of Geometry and Physics |
| 90 | 范良火 | 王一粟， 范良火 | 从情境视角分析我国最新高中数学教科书的数学应用特征 | 课程.教材.教法 |
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| 93 | 柳银萍 | 柳银萍；Yan Yang | Multiwave interaction solutions for two components Maccari system in (2+1)-dimension | Romanian Reports in Physics |
| 94 | 柳银萍 | 柳银萍；Yan Yang | Multiwave Interaction Solutions of The Partial Reverse Space-Time Nonlocal Mel'nikov Equation | Physica Scripta |
| 95 | 柳银萍 | 柳银萍；Wenying Cui | Nonlocal symmetries and interaction solutions for the (n+1)-dimensional generalized Korteweg-de Vries equation | Physica Scripta |
| 96 | 柳银萍 | 柳银萍；秦宇昕；徐桂琼 | 两个含时变系数的高维非线性演化方程新型孤子和多波解 | 华东师范大学学报.自然科学版 |
| 97 | 陈苗芬 | 陈苗芬 | Fargues-Rapoport conjecture for $p$-adic period domains in the non-basic case | Journal of the European Mathematical Society |
| 98 | 倪明康 | 倪明康 | A Class of Singularly Perturbed Equations with Discontinuous Right-Hand Side in the Critical Case | Computational Mathematics and Mathematical Physics |
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| 100 | 唐晓艳 | 唐晓艳 | New variable separation solutions and localized waves for (2+1)-dimensional nonlinear systems by a full variable separation approach | Physica Scripta |
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| 102 | 谈胜利 | Amram, M.；Gong, C.；Sinichkin, U.；谈胜利；Xu, W.-Y.；Yoshpe, M. | Fundamental group of Galois covers of degree 6 surfaces | Journal of Topology and Analysis |
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| 103 | 陆俊、谈胜利 | Cheng Gong, 陆俊, 谈胜利 | ON THE DETERMINANT OF A DUAL PERIODIC SINGULAR FIBER | JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY |
| 104 | 何小清 | 何小清 | Dynamics of consumer-resource reaction-diffusion models: single and multiple consumer species | Journal of Mathematical Biology |
| 105 | 何小清 | 何小清 | Dynamics of a periodic-parabolic Lotka–Volterra competition-diffusion system in heterogeneous environments | Journal of the European Mathematical Society |
| 106 | 詹兴致 | 詹兴致，张雷雷 | The maximum size of a nonhamiltonian graph with given order and connectivity | Discrete Mathematics |
| 107 | 詹兴致 | 詹兴致 | Two-degree trees | 华东师大学报 |
| 108 | 冯媛媛 | 冯媛媛 | Enhanced dissipation by circularly symmetric and parallel pipe flows | PHYSICA D-NONLINEAR PHENOMENA |
| 109 | 李圆 | 李圆 | Partial regularity of the fractional Gelfand-Liouville system | Discrete and Continuous Dynamical Systems |
| 110 | 吴瑞聪 | Ngaiming Mok, 吴瑞聪 | Multiplicities of the Betti Map Associated to a Section of an Elliptic Surface from a Differential-Geometric Perspective | The Journal of Geometric Analysis |
| 111 | 吴瑞聪 | Yun Gao, 吴瑞聪 | On the Rank of Hermitian Polynomials and the SOS Conjecture | International Mathematics Research Notices |
| 112 | 吴瑞聪 | Yun Gao, 吴瑞聪 | Local orthogonal maps and rigidity of holomorphic mappings between real hyperquadrics | Journal de Mathématiques Pures et Appliquées |
| 113 | 王航 | Carrillo Rouse, P.；Wang.B；王航 | Topological K-theory for discrete groups and index theory | Bulletin des Sciences Mathématiques |
| 114 | 王航 | Hochs, Peter；王航 | Spectral asymmetry and index theory on manifolds with generalised | SIGMA Symmetry Integrability |
| 115 | 王航 | Hochs, Peter；Wang, Bai-Ling；王航 | An equivariant Atiyah-Patodi-Singer index theorem for proper actions | International Mathematics Research |
| 116 | Aleksei Liubavin | Dmitrii Chaikovskii, Aleksei Liubavin & Ye Zhang | Asymptotic Expansion Regularization for Inverse Source Problems in Two-Dimensional Singularly Perturbed Nonlinear Parabolic PDEs | CSIAM Transactions on Applied Mathematics |
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| 120 | 陈勇 | Pu Juncai、陈勇* | Double and triple-pole solutions for the third-order flow equation of the Kaup-Newell system with zero/nonzero boundary conditions | Journal of Mathematical Physics |
| 121 | 陈勇 | Pu Juncai、陈勇* | Complex dynamics on the one-dimensional quantum droplets via time piecewise PINNs | Physica D: Nonlinear Phenomena |

| 122 | 陈勇 | Peng Weiqi、陈勇* | Bound-state soliton and rogue wave solutions for the sixth-order nonlinear Schrodinger equation via inverse scattering transform method | Mathematical Methods in the Applied Sciences |
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| 130 | 吕长虹 | Guo, Lifeng; 吕长虹; Wu, Guanlin | Approximation algorithms for a virtual machine allocation problem with finite types | INFORMATION PROCESSING LETTERS |