LIST OF PUBLICATIONS (JONG-SHENQ GUO)
(Last updated: March 16, 2025)

(1) Jong-Shenq Guo and Masahiko Shimojo, *Stability of traveling waves in noncooperative systems with nonlocal dispersal of equal diffusivities*, Asymptotic Analysis (to appear).

(2) Inkyung Ahn, Wonhyung Choi, Arnaud Ducrot and Jong-Shenq Guo, *Spreading dynamics for a three species predator-prey system with two preys in a shifting environment*, Journal of Dynamics and Differential Equations, 36 (2024), 3569-3597.

(3) Wonhyung Choi, Jong-Shenq Guo and Chin-Chin Wu, *Forced waves of a delayed diffusive endemic model with shifting transmission rates*, Journal of Mathematical Analysis and Applications, 540 (2024), 128647.

(4) Inkyung Ahn, Wonhyung Choi and Jong-Shenq Guo, *Spreading dynamics for an epidemic model of West-Nile virus with shifting environment*, Nonlinear Analysis: Real World Applications, 80 (2024), 104144

(5) Jong-Shenq Guo, Wonhyung Choi, Toshiko Ogiwara and Chin-Chin Wu, *Forced waves for an epidemic model of West-Nile virus with climate change effect*, Z. Angew. Math. Phys., (2024), 75:200.

(6) Jong-Shenq Guo, Karen Guo and Masahiko Shimojo, *Uniqueness and stability of forced waves for the Fisher-KPP equation in a shifting environment*, Nonlinear Analysis, 247 (2024), 113607.

(7) Jong-Shenq Guo, Amy Ai Ling Poh and Masahiko Shimojo, *Precise asymptotic spreading behavior for an epidemic model with nonlocal dispersal*, Taiwanese Journal of Mathematics, 28 (2024), 539-549.

(8) Jong-Shenq Guo, Karen Guo and Masahiko Shimojo, *Stability of monostable traveling waves in diffusive three-species competition systems*, Applied Mathematics Letters, 148 (2024), 108891.

(9) Jong-Shenq Guo and Masahiko Shimojo, *Convergence to traveling waves in reaction-diffusion systems with equal diffusivities*, Journal of Differential Equations, 375 (2023), 156-171.

(10) Jong-Shenq Guo, Masahiko Shimojo and Chin-Chin Wu, *Spreading dynamics for a predator-prey system with two predators and one prey in a shifting habitat*, Discrete Contin. Dyn. Syst. Ser. B, 28 (2023), 6126-6141.

(11) Jong-Shenq Guo, Karen Guo and Paul Schrater, *Prediction of human looking behavior using interest-based image representations*, Communications in Information and Systems, 23 (2023), 245-262.

(12) Jong-Shenq Guo, Karen Guo and Masahiko Shimojo, *Forced waves for diffusive competition systems in shifting environments*, Nonlinear Analysis: Real World Applications, 73 (2023), 103880.

(13) Thomas Giletti and Jong-Shenq Guo, *Forced waves of a three species predator-prey system with a pair of weak-strong competing preys in a shifting environment*, Discrete Contin. Dyn. Syst. Ser. B, 28 (2023), 3820-3836.

(14) Jong-Shenq Guo, Amy Ai Ling Poh and Chin-Chin-Wu, *Forced waves of saturation type for Fisher-KPP equation in a shifting environment*, Applied Mathematics Letters, 140 (2023), 108573.

(15) Jong-Shenq Guo, Francois Hamel and Chin-Chin Wu, *Forced waves for a three-species predator-prey system with nonlocal dispersal in a shifting environment*, Journal of Differential Equations, 345 (2023), 485-518.

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(16) Jong-Shenq Guo and Masahiko Shimojo, *A Liouville theorem for a class of reaction-diffusion systems with fractional diffusion*, Applied Mathematics Letters, 133 (2022), 108254.

(17) Jong-Shenq Guo and Karen Guo, *Traveling waves for a three-species competition system with two weak aboriginal competitors*, Differential and Integral Equations, 35 (2022), 819-832.

(18) Jong-Shenq Guo, Nikos I. Kavallaris, Chi-Jen Wang and Cherng-Yih Yu, *Bifurcation diagram of a Robin boundary value problem arising in MEMS*, Hiroshima Mathematical Journal, 52 (2022), 311-320.

(19) Wonhyung Choi and Jong-Shenq Guo, *Forced waves of a three species predator-prey system in a shifting environment*, Journal of Mathematical Analysis and Applications, 514 (2022), 126283.

(20) Jong-Shenq Guo and Masahiko Shimojo, *Stabilization to a positive equilibrium for some reaction-diffusion systems*, Nonlinear Analysis: Real World Applications, 62 (2021), 103378.

(21) Wonhyung Choi, Thomas Giletti and Jong-Shenq Guo, *Persistence of species in a predator-prey system with climate change and either nonlocal or local dispersal*, Journal of Differential Equations, 302 (2021), 807-853.

(22) Yu-Shuo Chen and Jong-Shenq Guo, *Traveling wave solutions for a three-species predator-prey model with two aborigine preys*, Japan J. Indust. Appl. Math., 38 (2021), 455-471.

(23) Yu-Shuo Chen, Thomas Giletti and Jong-Shenq Guo, *Persistence of preys in a diffusive three species predator-prey system with a pair of strong-weak competing preys*, Journal of Differential Equations, 281 (2021), 341-378.

(24) Yu-Shuo Chen, Jong-Shenq Guo and Masahiko Shimojo, *Recent developments on a singular predator-prey model*, Discrete Contin. Dyn. Syst. Ser. B, 26 (2021), 1811-1825.

(25) Jong-Shenq Guo, *Traveling wave solutions for some three-species predator-prey systems*, Tamkang Journal of Mathematics, 52 (2021), 25-36.

(26) Arnaud Ducrot, Thomas Giletti, Jong-Shenq Guo and Masahiko Shimojo, *Asymptotic spreading speeds for a predator-prey system with two predators and one prey*, Nonlinearity, 34 (2021), 669-704.

(27) Jong-Shenq Guo, Bo-Chih Huang, Tohru Wakasa, Chi-Jen Wang and Cherng-Yih Yu, *The structure of stationary solutions to a micro-electro mechanical system with fringing field*, Journal of Differential Equations, 269 (2020), 7676-7704.

(28) Jong-Shenq Guo, Amy Ai Ling Poh and Masahiko Shimojo, *The spreading speed of an SIR epidemic model with nonlocal dispersal*, Asymptotic Analysis, 120 (2020), 163-174.

(29) Jong-Shenq Guo, Ken-Ichi Nakamura, Toshiko Ogiwara and Chin-Chin Wu, *Traveling wave solutions for a predator-prey system with two predators and one prey*, Nonlinear Analysis: Real World Applications, 54 (2020), 103111.

(30) Shin-Ichiro Ei, Hiroshi Ishii, Jong-Shenq Guo and Chin-Chin Wu, *Existence of traveling wave solutions to a nonlocal scalar equation with sign-changing kernel*, Journal of Mathematical Analysis and Applications, 487 (2020), 124007.

(31) Jong-Shenq Guo, Ken-Ichi Nakamura, Toshiko Ogiwara and Chang-Hong Wu, *The sign of traveling wave speed in bistable dynamics*, Discrete Contin. Dyn. Syst., 40 (2020), 3451-3466.

(32) Arnaud Ducrot, Jong-Shenq Guo, Guo Lin and Shuxia Pan, *The spreading speed and the minimal wave speed of a predator-prey system with nonlocal dispersal*, Z. Angew. Math. Phys., (2019), 70:146.

(33) Jong-Shenq Guo and Chang-Hong Wu, *Entire solutions originating from traveling fronts for a two-species competition-diffusion system*, Nonlinearity, 32 (2019), 3234-3268.

(34) Jong-Shenq Guo, Ken-Ichi Nakamura, Toshiko Ogiwara and Chin-Chin Wu, *Stability and uniqueness of traveling waves for a discrete bistable 3-species competition system*, Journal of Mathematical Analysis and Applications, 472 (2019), 1534-1550.

(35) Jong-Shenq Guo and Philippe Souplet, *Excluding blowup at zero points of the potential by means of Liouville-type theorems*, Journal of Differential Equations, 265 (2018), 4942-4964.

(36) Yan-Yu Chen, Jong-Shenq Guo, Hirokazu Ninomiya and Chih-Hong Yao, *Entire solutions originating from monotone fronts to the Allen-Cahn equation*, Physica D: Nonlinear Phenomena, 378-379 (2018), 1-19.

(37) Arnaud Ducrot, Jong-Shenq Guo and Masahiko Shimojo, *Behaviors of solutions for a singular prey-predator model and its shadow system*, Journal of Dynamics and Differential Equations, 30 (2018), 1063-1079.

(38) Arnaud Ducrot and Jong-Shenq Guo, *Asymptotic behavior of solutions to a class of diffusive predator-prey systems*, Journal of Evolution Equations, 18 (2018), 755-775.

(39) Jong-Shenq Guo and Bei Hu, *Quenching rate for a nonlocal problem arising in the micro-electro mechanical system*, Journal of Differential Equations, 264 (2018), 3285-3311.

(40) Jong-Shenq Guo and Masahiko Shimojo, *Spatio-temporal oscillation for a singular predator-prey model*, Journal of Mathematical Analysis and Applications, 459 (2018), 1-9.

(41) Yan-Yu Chen, Jong-Shenq Guo and Francois Hamel, *Traveling waves for a lattice dynamical system arising in a diffusive endemic model*, Nonlinearity, 30 (2017), 2334-2359.

(42) Yan-Yu Chen, Jong-Shenq Guo and Hirokazu Ninomiya, *Existence of rotating spots with spatially dependent feedback in the plane in a wave front interaction model*, Journal of Dynamics and Differential Equations, 29 (2017), 465-483.

(43) Yan-Yu Chen, Jong-Shenq Guo and Chih-Hong Yao, *Traveling wave solutions for a continuous and discrete diffusive predator-prey model*, Journal of Mathematical Analysis and Applications, 445 (2017), 212-239.

(44) Jong-Shenq Guo, Yoshihisa Morita and Shoji Yotsutani, *Self-similar solutions for a quenching problem with spatially dependent nonlinearity*, Nonlinear Analysis, 147 (2016), 45-62.

(45) Sheng-Chen Fu, Jong-Shenq Guo and Chin-Chin Wu, *Traveling wave solutions for a discrete diffusive epidemic model*, Journal of Nonlinear and Convex Analysis, 17 (2016), 1739-1751.

(46) Jong-Shenq Guo, Hiroshi Matano, Masahiko Shimojo and Chang-Hong Wu, *On a free boundary problem for the curvature flow with driving force*, Archive for Rational Mechanics and Analysis, 219 (2016), 1207-1272.

(47) Jong-Shenq Guo and Chin-Chin Wu, *The existence of traveling wave solutions for a bistable three-component lattice dynamical system*, Journal of Differential Equations, 260 (2016), 1445-1455.

(48) Jong-Shenq Guo and Chin-Chin Wu, *On the dead-core problem for the p-Laplace equation with a strong absorption*, Tohoku Mathematical Journal, 67 (2015), 541-551.

(49) Jong-Shenq Guo, Yi Wang, Chang-Hong Wu and Chin-Chin Wu, *The minimal speed of traveling wave solutions for a diffusive three species competition system*, Taiwanese Journal of Mathematics, 19 (2015), 1805-1829.

(50) Jong-Shenq Guo and Philippe Souplet, *No touchdown at zero points of the permittivity profile for the MEMS problem*, SIAM Journal on Mathematical Analysis, 47 (2015), 614-625.

(51) Jong-Shenq Guo and Chang-Hong Wu, *Dynamics for a two-species competition-diffusion model with two free boundaries*, Nonlinearity, 28 (2015), 1-27.

(52) Jong-Shenq Guo, *Recent developments on a nonlocal problem arising in the micro-electro mechanical system*, Tamkang Journal of Mathematics, 45 (2014), 229-241.

(53) Jong-Shenq Guo and Bo-Chih Huang, *Hyperbolic quenching problem with damping in the micro-electro mechanical system device*, Discrete and Continuous Dynamical Systems - Series B, 19 (2014), 419-434.

(54) Jong-Shenq Guo and Xing Liang, *Erratum to: The minimal speed of traveling fronts for the Lotka-Volterra competition system*, Journal of Dynamics and Differential Equations, 25 (2013), 1251-1252.

(55) Jong-Shenq Guo, *On the dead-core rates for a parabolic equation with strong absorption*, Bulletin of the Institute of Mathematics, Academia Sinica (New Series), 8 (2013), 431-444.

(56) Jong-Shenq Guo and Ying-Chih Lin, *The sign of the wave speed for the Lotka-Volterra competition-diffusion system*, Communications on Pure and Applied Analysis, 12 (2013), 2083-2090.

(57) Jong-Shenq Guo and Ying-Chih Lin, *Entire solutions for a discrete diffusive equation with bistable convolution type nonlinearity*, Osaka Journal of Mathematics, 50 (2013), 607-629.

(58) Jong-Shenq Guo, Hirokazu Ninomiya, Masahiko Shimojo and Eiji Yanagida, *Convergence and blow-up of solutions for a complex-valued heat equation with a quadratic nonlinearity*, Transactions of the American Mathematical Society, 365 (2013), 2447-2467.

(59) Jong-Shenq Guo and Chia-Tung Ling, *Dynamics for a complex-valued heat equation with an inverse nonlinearity*, Journal of Mathematical Analysis and Applications, 400 (2013), 153-160.

(60) Jong-Shenq Guo, Hirokazu Ninomiya and Chin-Chin Wu, *Existence of a rotating wave pattern in a disk for a wave front interaction model*, Communications on Pure and Applied Analysis, 12 (2013), 1049-1063.

(61) Jong-Shenq Guo, Chang-Shou Lin and Masahiko Shimojo, *Blow-up for a reaction-diffusion equation with variable coefficient*, Applied Mathematics Letters, 26 (2013), 150-153.

(62) Jong-Shenq Guo and Chang-Hong Wu, *On a free boundary problem for a two-species weak competition system*, Journal of Dynamics and Differential Equations, 24 (2012), 873-895.

(63) Jong-Shenq Guo and Chang-Hong Wu, *Recent developments on wave propagation in 2-species competition systems*, Discrete and Continuous Dynamical Systems - Series B, 17 (2012), 2713-2724.

(64) Yan-Yu Chen, Jong-Shenq Guo and Hirokazu Ninomiya, *Existence and uniqueness of rigidly rotating spiral waves by a wave front interaction model*, Physica D: Nonlinear Phenomena, 241 (2012), 1758-1766.

(65) Xinfu Chen, Jong-Shenq Guo and Bei Hu, *Dead-core rates for the porous medium equation with a strong absorption*, Discrete and Continuous Dynamical Systems - Series B, 17 (2012), 1761-1774.

(66) Arnaud Ducrot and Jong-Shenq Guo, *Quenching behavior for a singular predator-prey model*, Nonlinearity, 25 (2012), 2059-2073.

(67) Jong-Shenq Guo and Fancois Hamel, *Propagation and blocking in periodically hostile environments*, Archive for Rational Mechanics and Analysis, 204 (2012), 945-975.

(68) Jong-Shenq Guo and Chang-Hong Wu, *Traveling wave front for a two-component lattice dynamical system arising in competition models*, Journal of Differential Equations, 252 (2012), 4357-4391.

(69) Jong-Shenq Guo and Nikos Kavallaris, *On a nonlocal parabolic problem arising in electrostatic MEMS control*, Discrete and Continuous Dynamical Systems, 32 (2012), 1723-1746.

(70) Jong-Shenq Guo and Ying-Chih Lin, *Traveling wave solution for a lattice dynamical system with convolution type nonlinearity*, Discrete and Continuous Dynamical Systems, 32 (2012), 101-124.

(71) Jong-Shenq Guo, Yung-Jen Lin Guo and Bei Hu, *Global existence of solution to a nonlocal parabolic problem modeling linear friction welding*, Taiwanese Journal of Mathematics, 16 (2012), 107-112.

(72) Jong-Shenq Guo and Xing Liang, *The minimal speed of traveling fronts for the Lotka-Volterra competition system*, Journal of Dynamics and Differential Equations, 23 (2011), 353-363.

(73) Xinfu Chen and Jong-Shenq Guo, *Motion by curvature of planar curves with end points moving freely on a line*, Mathematische Annalen, 350 (2011), 277-311.

(74) Jong-Shenq Guo and Chang-Hong Wu, *Wave propagation for a two-component lattice dynamical system arising in strong competition models*, Journal of Differential Equations, 250 (2011), 3504-3533.

(75) Jong-Shenq Guo and Masahiko Shimojo, *Blowing up at zero points of potential for an initial boundary value problem*, Communications on Pure and Applied Analysis, 10 (2011), 161-177.

(76) Jong-Shenq Guo, Chang-Shou Lin and Masahiko Shimojo, *Blow-up behavior for a parabolic equation with spatially dependent coefficient*, Dynamic Systems and Applications, 19 (2010), 415-434.

(77) Jong-Shenq Guo, Hiroshi Matano and Chih-Chin Wu, *An application of braid group theory to the finite time dead-core rate*, Journal of Evolution Equations 10 (2010), 835-855.

(78) Jong-Shenq Guo, Chia-Tung Ling and Philippe Souplet, *Non-self-similar dead-core rate for the fast diffusion equation with strong absorption*, Nonlinearity 23 (2010), 657-673.

(79) Jong-Shenq Guo, Hirokazu Ninomiya and Je-Chiang Tsai, *Existence and Uniqueness of stabilized propagating wave segments in wave front interaction model*, Physica D: Nonlinear Phenomena 239 (2010), 230-239.

(80) Jong-Shenq Guo and Chang-Hong Wu, *Entire solutions for a two-component competition system in a lattice*, Tohoku Mathematical Journal 62 (2010), 17-28.

(81) Jong-Shenq Guo and Chang-Hong Wu, *Front propagation for a two-dimensional periodic monostable lattice dynamical system*, Discrete and Continuous Dynamical Systems 26 (2010), 197-223.

(82) Jong-Shenq Guo, Bei Hu, and Chi-Jen Wang, *A nonlocal quenching problem arising in micro-electro mechanical system*, Quarterly of Applied Mathematics 67 (2009), 725-734.

(83) Jong-Shenq Guo and Je-Chiang Tsai, *Traveling waves of two-component reaction-diffusion systems arising from higher order autocatalytic models*, Quarterly of Applied Mathematics 67 (2009), 559-578.

(84) Jong-Shenq Guo and Chin-Chin Wu, *Uniqueness and stability of traveling waves for periodic monostable lattice dynamical system*, Journal of Differential Equations 246 (2009), 3818-3833.

(85) Jong-Shenq Guo, Satoshi Sasayama, and Chi-Jen Wang, *Blowup rate estimate for a system of semilinear parabolic equations*, Communications on Pure and Applied Analysis 8 (2009), 711-718.

(86) Sheng-Chen Fu, Jong-Shenq Guo, and Chin-Chin Wu, *Dead-core at time infinity for a heat equation with strong absorption*, Taiwanese Journal of Mathematics 13 (2009), 1213-1227.

(87) Jong-Shenq Guo and Bei Hu, *Blowup rate estimates for the heat equation with a nonlinear gradient source term*, Discrete and Continuous Dynamical Systems 20 (2008), 927-937.

(88) Xinfu Chen, Jong-Shenq Guo, and Chin-Chin Wu, *Traveling waves in discrete periodic media for bistable dynamics*, Archive for Rational Mechanics and Analysis 189 (2008), 189-236.

(89) Jong-Shenq Guo and Chin-Chin Wu, *Finite time dead-core rate for the equation with a strong absorption*, Tohoku Mathematical Journal 60 (2008), 37-70.

(90) Jong-Shenq Guo and Chang-Hong Wu, *Existence and uniqueness of traveling waves for a monostable 2-D lattice dynamical system*, Osaka Journal of Mathematics 45 (2008), 327-346.

(91) Xinfu Chen, Marek Fila, and Jong-Shenq Guo, *Boundedness of global solutions of a supercritical parabolic equation*, Nonlinear Analysis, TMA 68 (2008), 621-628.

(92) Xinfu Chen and Jong-Shenq Guo, *Self-similar solutions of a 2-d multiple phase curvature flow*, Physica D: Nonlinear Phenomena 229 (2007), 22-34.

(93) Jong-Shenq Guo, *Blow-up Behavior for A Quasilinear Parabolic Equation with Nonlinear Boundary Condition*, Discrete and Continuous Dynamical Systems 18 (2007), 71-84.

(94) Xinfu Chen, Jong-Shenq Guo, Francois Hamel, Hirokazu Ninomiya, and Jean-Michel Roquejoffre, *Traveling waves with paraboloid like interfaces for balanced bistable dynamics*, Annales de l'Institut Henri Poincare - Analyse Non Lineaire 24 (2007), 369-393.

(95) Xinfu Chen, Jong-Shenq Guo, and Hirokazu Ninomiya, *Entire solutions of reaction-diffusion equations with balanced bistable nonlinearities*, Proceedings of the Royal Society of Edinburgh 136A (2006), 1207-1237.

(96) Jong-Shenq Guo and Je-Chiang Tsai, *The asymptotic behavior of solutions of the buffered bistable system*, Journal of Mathematical Biology 53 (2006), 179-213.

(97) Jong-Shenq Guo and Francois Hamel, *Front propagation for discrete periodic monostable equations*, Mathematische Annalen 335 (2006), 489-525.

(98) Xinfu Chen, Sheng-Chen Fu, and Jong-Shenq Guo, *Uniqueness and asymptotics of traveling waves of monostable dynamics on lattices*, SIAM Journal on Mathematical Analysis 38 (2006), 233-258.

(99) Jong-Shenq Guo and Bei Hu, *On a two-point free boundary problem*, Quarterly of Applied Mathematics 64 (2006), 413-431.

(100) Jong-Shenq Guo, Ken-Ichi Nakamura, Toshiko Ogiwara, and Je-Chiang Tsai, *On the steadily rotating spirals*, Japan Journal of Industrial and Applied Mathematics 23 (2006), 1-19.

(101) Bernold Fiedler, Jong-Shenq Guo, and Je-Chiang Tsai, *Rotating spirals of curvature flows: a center manifold approach*, Annali di Matematica Pura ed Applicata 185 (2006), S259-291.

(102) Jong-Shenq Guo, *Entire solutions of some reaction-diffusion equations*, Recent advances in elliptic and parabolic problems, 121-135, World Sci. Publ., Hackensack, NJ, 2005.

(103) Jong-Shenq Guo, Chia-Tung Ling, and Chin-Chin Wu, *On the equilibrium positions of solid bodies on an elastic wire with energy involving arc length*, Mathematical and Computer Modelling 42 (2005), 99-122.

(104) Jong-Shenq Guo and Je-Chiang Tsai, *The structure of solutions for a third order differential equation in boundary layer theory*, Japan Journal of Industrial and Applied Mathematics 22 (2005), 311-351.

(105) Jong-Shenq Guo, Yung-Jen Lin Guo, and Chi-Jen Wang, *Global and non-global solutions of a nonlinear parabolic equation*, Taiwanese Journal of Mathematics 9 (2005), 187-200.

(106) Xinfu Chen and Jong-Shenq Guo, *Existence and uniqueness of entire solutions for a reaction - diffusion equation*, Journal of Differential Equations 212 (2005), 62-84.

(107) Jong-Shenq Guo and Bei Hu, *Blowup behavior for a nonlinear parabolic equation of nondivergence form*, Nonlinear Analysis, TMA 61 (2005), 577-590.

(108) Jong-Shenq Guo and Philippe Souplet, *Fast rate of formation of dead-core for the heat equation with strong absorption and applications to fast blow-up*, Mathematische Annalen 331 (2005), 651-667.

(109) Jong-Shenq Guo and Yoshihisa Morita, *Entire solutions of reaction-diffusion equations and an application to discrete diffusive equations*, Discrete and Continuous Dynamical Systems 12 (2005), 193-212.

(110) Jong-Shenq Guo, Naoyuki Ishimura, and Chin-Chin Wu, *Self-similar solutions for the kinematic model equation of spiral waves*, Physica D: Nonlinear Phenomena 198 (2004), 197-211.

(111) Bernold Fiedler, Jong-Shenq Guo, and Je-Chiang Tsai, *Multiplicity of rotating spirals under curvature flows with normal tip motion*, Journal of Differential Equations 205 (2004), 211-228.

(112) Jong-Shenq Guo and Cheng-Chang Lee, *Traveling wave solutions of a bistable fast diffusion equation*, Bulletin of the Institute of Mathematics, Academia Sinica 32 (2004), 97-117.

(113) Jong-Shenq Guo, Chu-Pin Lo, and Je-Chiang Tsai, *Structure of solutions for equations related to the motions of plane curves*, ANZIAM Journal 45 (2004), 585-592.

(114) Xinfu Chen and Jong-Shenq Guo, *Uniqueness and existence of traveling waves for discrete quasilinear monostable dynamics*, Mathematische Annalen 326 (2003), 123-146.

(115) Ya-Ling Chang, Jong-Shenq Guo, and Yoshihito Kohsaka, *On a two-point free boundary problem for a quasilinear parabolic equation*, Asymptotic Analysis 34 (2003), 333-358.

(116) Hua-Huai Chern, Jong-Shenq Guo, and Chu-Pin Lo, *The self-similar expanding curve for the curvature flow equation*, Proceedings of American Mathematical Society 131 (2003), 3191-3201.

(117) Jong-Shenq Guo and Je-Chiang Tsai, *Structure of positive solutions to a semilinear initial value problem*, Funkcialaj Ekvacioj 46 (2003), 409-420.

(118) Jong-Shenq Guo, Yung-Jen Lin Guo, and Je-Chiang Tsai, *Single-point blow-up patterns for a nonlinear parabolic equation*, Nonlinear Analysis, TMA 53 (2003), 1149-1165.

(119) Sheng-Chen Fu, Jong-Shenq Guo, and Je-Chiang Tsai, *Blow-up behavior for a semilinear heat equation with a nonlinear boundary condition*, Tohoku Mathematical Journal 55 (2003), 565-581.

(120) Jong-Shenq Guo and Yoshihito Kohsaka, *Self-similar solutions of two-point free boundary problem for heat equation*, Nonlinear Diffusive Systems and Related Topics, RIMS Kôkyûroku No. 1258, 2002, pp.94-107.

(121) Sheng-Chen Fu and Jong-Shenq Guo, *Blow-up for a semilinear reaction-diffusion system coupled in both equations and boundary conditions*, Journal of Mathematical Analysis and Applications 276 (1) (2002), 458-475.

(122) Xinfu Chen and Jong-Shenq Guo, *Existence and asymptotic stability of traveling waves of discrete quasilinear monostable equations*, Journal of Differential Equations 184 (2) (2002), 549-569.

(123) Jong-Shenq Guo and Bei Hu, *Blowup rate for heat equation in Lipschitz domains with nonlinear heat source terms on the boundary*, Journal of Mathematical Analysis and Applications 269 (1) (2002), 28-49.

(124) Sheng-Chen Fu, Jong-Shenq Guo, and Shang-Yau Shieh, *Traveling wave solutions for some discrete quasilinear parabolic equations*, Nonlinear Analysis, TMA 48(8) (2002), 1137-1149.

(125) Marek Fila and Jong-Shenq Guo, *Complete blow-up and incomplete quenching for the heat equation with a nonlinear boundary condition*, Nonlinear Analysis, TMA 48(7) (2002), 995-1002.

(126) Jong-Shenq Guo and Yung-Jen Lin Guo, *On a fast diffusion equation with source*, Tohoku Mathematical Journal 53 (2001), 571-579.

(127) Jong-Shenq Guo and Tsung-Min Hwang, *On the steady states of a nonlocal semilinear heat equation*, Dynamics of Continuous, Discrete and Impulsive Systems, Series A: Mathematical Analysis 8 (2001), 53-68.

(128) Jong-Shenq Guo and Yung-Jen Lin Guo, *An ordinary differential equation arising in the Ricci flow on the plane*, ANZIAM Journal 42 (2001), 438-444.

(129) Jong-Shenq Guo and Bei Hu, *Quenching profile for a quasilinear parabolic equation*, Quarterly of Applied Mathematics 58(4) (2000), 613-626.

(130) Jong-Shenq Guo, *Quenching behavior for the solution of a nonlocal semilinear heat equation*, Differential and Integral Equations 13(7-9) (2000), 1139-1148.

(131) Jong-Shenq Guo and Yung-Jen Lin Guo, *Critical length for a degenerate parabolic equation*, Bulletin of the Institute of Mathematics, Academia Sinica 28(1) (2000), 1-8.

(132) Go-Jien Chen and Jong-Shenq Guo, *Critical length for a quenching problem with nonlocal singularity*, Methods and Applications of Analysis 5(2) (1998), 185-194.

(133) Jong-Shenq Guo, *Quenching problem in nonhomogeneous media*, Differential and Integral Equations 10(6) (1997), 1065-1074.

(134) Jong-Shenq Guo and Bei Hu, *The profile near quenching time for solution of a singular semilinear heat equation*, Proceedings of the Edinburgh Mathematical Society 40 (1997), 437-456.

(135) Jong-Shenq Guo and Bei Hu, *Quenching problem for a singular semilinear heat equation*, Nonlinear Analysis, TMA 30 (1997), 905-910, Proceedings of the WCNA96.

(136) Jong-Shenq Guo, *On the Cauchy problem for a very fast diffusion equation*, Communications in Partial Differential Equations 21 (1996), 1349-1365.

(137) Jong-Shenq Guo, *Some similarity solutions for a singular diffusion equation*, Proceedings of Dynamic Systems and Applications, Vol. 2 (Atlanta, GA, 1995), 207-213, Dynamic, Atlanta, GA, 1996.

(138) Jong-Shenq Guo and I-Man Sun, *Remarks on a singular diffusion equation*, Nonlinear Analysis, TMA 27(10) (1996), 1109-1115.

(139) Jong-Shenq Guo, *Quenching behavior for a fast diffusion equation with absorption*, Dynamic Systems and Applications 4 (1995), 47-56.

(140) Jong-Shenq Guo, *Similarity solutions for a quasilinear parabolic equation*, Journal of the Australian Mathematical Society, Series B: Applied Mathematics 37 (1995), 253-266. (with new name as ANZIAM Journal)

(141) Jong-Shenq Guo, Wen-Wei Lin, and Chern-Shuh Wang, *Numerical solution for large sparse quadratic eigenvalue problems*, Linear Algebra and Its Applications 225 (1995), 57-89.

(142) Jong-Shenq Guo, Wen-Wei Lin, and Chern-Shuh Wang, *Non-equivalence deflation to the solution of matrices latent value problems*, Linear Algebra and Its Applications 231 (1995), 15-46.

(143) Jong-Shenq Guo, *The competition between fast diffusion and source*, Proceedings of Dynamic Systems and Applications, Vol. 1 (Atlanta, GA, 1993), 127-134, Dynamic, Atlanta, GA, 1994.

(144) Jong-Shenq Guo, *Large time behavior of solutions of a fast diffusion equation with source*, Nonlinear Analysis, TMA 23(12) (1994), 1559-1568.

(145) Jen-Chih Yao and Jong-Shenq Guo, *Variational and generalized variational inequalities with discontinuous mappings*, Journal of Mathematical Analysis and Applications 182(2) (1994), 371-392.

(146) Jong-Shenq Guo and Jen-Chih Yao, *Variational inequalities with nonmonotone operators*, Journal of Optimization Theory and Applications 80(1) (1994), 63-74.

(147) Jong-Shenq Guo and Jen-Chih Yao, *The variational inequalities*, Computers and Mathematics with Applications 25(3) (1993), 99-105.

(148) Stathis Filippas and Jong-Shenq Guo, *Quenching profiles for one-dimensional semilinear heat equations*, Quarterly of Applied Mathematics 51(4) (1993), 713-729.

(149) Jong-Shenq Guo and Yin-Min Kung, *Generalized variational inequalities for multivalued operators with contractible values*, Applied Mathematics Letters 5(4) (1992), 59-62.

(150) Jong-Shenq Guo and Hsuan-Wen Su, *The blow-up behavior of the solution of an integrodifferential equation*, Differential and Integral Equations 5(6) (1992), 1237-1245.

(151) Jong-Shenq Guo, *Forward self-similar solutions of a semilinear heat equation*, Bulletin of the Institute of Mathematics, Academia Sinica 20(2) (1992), 119-128.

(152) Jong-Shenq Guo and Jen-Chih Yao, *Extension of strongly nonlinear quasivariational inequalities*, Applied Mathematics Letters 5(3) (1992), 35-38.

(153) Jong-Shenq Guo and Jen-Chih Yao, *Zeros of operators in Banach spaces*, Applied Mathematics Letters 5(1) (1992), 55-57.

(154) Jong-Shenq Guo, *The critical length for a quenching problem*, Nonlinear Analysis, TMA 18(6) (1992), 507-516.

(155) Jong-Shenq Guo, *On the quenching rate estimate*, Quarterly of Applied Mathematics 49(4) (1991), 747-752.

(156) Jong-Shenq Guo, *On a quenching problem with the Robin boundary condition*, Nonlinear Analysis, TMA 17(9) (1991), 803-809.

(157) Jong-Shenq Guo, *On the semilinear elliptic equation $\Delta w - (1/2)y \cdot \nabla w + \lambda w - w^{-\beta} = 0$ in $\mathbf{R}^n$*, Chinese Journal of Mathematics 19(4) (1991), 355-377.

(158) Jong-Shenq Guo, *A variational inequality associated with a lubrication problem*, Nonlinear Analysis, TMA 16(1) (1991), 13-34.

(159) Jong-Shenq Guo, *On the quenching behavior of the solution of a semilinear parabolic equation*, Journal of Mathematical Analysis and Applications 151(1) (1990), 58-79.