

Philippe Laurençot

List of Publications by Year in descending order

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135
papers

2,463
citations

218677

26
h-index

265206

42
g-index

137
all docs

137
docs citations

137
times ranked

691
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Energy minimizers for an asymptotic MEMS model with heterogeneous dielectric properties. <i>Calculus of Variations and Partial Differential Equations</i> , 2022, 61, 1. | 1.7 | 2 |
| 2 | Global existence, uniform boundedness, and stabilization in a chemotaxis system with density-suppressed motility and nutrient consumption. <i>Communications in Partial Differential Equations</i> , 2022, 47, 1024-1069. | 2.2 | 14 |
| 3 | The porous medium equation as a singular limit of the thin film Muskat problem. <i>Asymptotic Analysis</i> , 2022, , 1-17. | 0.5 | 1 |
| 4 | Non-existence of nonnegative separate variable solutions to a porous medium equation with spatially dependent nonlinear source. <i>Bulletin Des Sciences Mathematiques</i> , 2022, 179, 103167. | 1.0 | 2 |
| 5 | Reinforced Limit of a MEMS Model with Heterogeneous Dielectric Properties. <i>Applied Mathematics and Optimization</i> , 2021, 84, 1373-1393. | 1.6 | 5 |
| 6 | Concentration phenomena in a diffusive aggregation model. <i>Journal of Differential Equations</i> , 2021, 271, 1092-1108. | 2.2 | 8 |
| 7 | Mass Threshold for Infinite-time Blowup in a Chemotaxis Model with Split Population. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 3385-3419. | 1.9 | 1 |
| 8 | Existence and NonExistence for the Collision-Induced Breakage Equation. <i>SIAM Journal on Mathematical Analysis</i> , 2021, 53, 4605-4636. | 1.9 | 5 |
| 9 | Weak solutions to the collision-induced breakage equation with dominating coagulation. <i>Journal of Differential Equations</i> , 2021, 280, 690-729. | 2.2 | 4 |
| 10 | Convergence of Energy Minimizers of a MEMS Model in the Reinforced Limit. <i>Acta Applicandae Mathematicae</i> , 2021, 173, 1. | 1.0 | 1 |
| 11 | Global existence and uniform boundedness in a chemotaxis model with signal-dependent motility. <i>Journal of Differential Equations</i> , 2021, 299, 513-541. | 2.2 | 24 |
| 12 | Delayed blow-up for chemotaxis models with local sensing. <i>Journal of the London Mathematical Society</i> , 2021, 103, 1596-1617. | 1.0 | 30 |
| 13 | The fragmentation equation with size diffusion: Small and large size behavior of stationary solutions. <i>Kinetic and Related Models</i> , 2021, , | 0.9 | 2 |
| 14 | Mass-conserving solutions to the Smoluchowski coagulation equation with singular kernel. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2020, 150, 1805-1825. | 1.2 | 9 |
| 15 | Shape Derivative of the Dirichlet Energy for a Transmission Problem. <i>Archive for Rational Mechanics and Analysis</i> , 2020, 237, 447-496. | 2.4 | 7 |
| 16 | Stationary solutions to a nonlocal fourth-order elliptic obstacle problem. <i>Journal of Elliptic and Parabolic Equations</i> , 2020, 6, 171-186. | 0.9 | 1 |
| 17 | Touchdown is the Only Finite Time Singularity in a Three-Dimensional MEMS Model. <i>Annales Mathematiques Blaise Pascal</i> , 2020, 27, 65-81. | 0.1 | 1 |
| 18 | Mass-conserving self-similar solutions to coagulation-fragmentation equations. <i>Communications in Partial Differential Equations</i> , 2019, 44, 773-800. | 2.2 | 0 |

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|----|--|-----|-----------|
| 19 | Stationary solutions to coagulation-fragmentation equations. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2019, 36, 1903-1939. | 1.4 | 2 |
| 20 | Large time behavior of a two phase extension of the porous medium equation. Interfaces and Free Boundaries, 2019, 21, 199-229. | 0.8 | 7 |
| 21 | Global bounded and unbounded solutions to a chemotaxis system with indirect signal production. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 6419-6444. | 0.9 | 4 |
| 22 | Heterogeneous Dielectric Properties in Models for Microelectromechanical Systems. SIAM Journal on Applied Mathematics, 2018, 78, 504-530. | 1.8 | 6 |
| 23 | Uniqueness of Mass-Conserving Self-similar Solutions to Smoluchowski's Coagulation Equation with Inverse Power Law Kernels. Journal of Statistical Physics, 2018, 171, 484-492. | 1.2 | 6 |
| 24 | Mass-conserving solutions to coagulation-fragmentation equations with nonintegrable fragment distribution function. Quarterly of Applied Mathematics, 2018, 76, 767-785. | 0.7 | 2 |
| 25 | Extinction for a Singular Diffusion Equation with Strong Gradient Absorption Revisited. Advanced Nonlinear Studies, 2018, 18, 785-797. | 1.7 | 0 |
| 26 | Classification of extinction profiles for a one-dimensional diffusive Hamilton-Jacobi equation with critical absorption. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2018, 148, 559-574. | 1.2 | 0 |
| 27 | Optimal extinction rates for the fast diffusion equation with strong absorption. Bulletin of the London Mathematical Society, 2018, 50, 635-648. | 0.8 | 0 |
| 28 | Finite Time Singularity in a MEMS Model Revisited. Zeitschrift Fur Analysis Und Ihre Anwendung, 2018, 37, 209-219. | 0.6 | 0 |
| 29 | Oscillatory dynamics in Smoluchowski's coagulation equation with diagonal kernel. Kinetic and Related Models, 2018, 11, 933-952. | 0.9 | 7 |
| 30 | Finite time blowup for the parabolic-parabolic Keller-Segel system with critical diffusion. Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire, 2017, 34, 197-220. | 1.4 | 32 |
| 31 | Large Time Behavior for a Quasilinear Diffusion Equation with Critical Gradient Absorption. Journal of Dynamics and Differential Equations, 2017, 29, 817-832. | 1.9 | 0 |
| 32 | Instantaneous shrinking and single point extinction for viscous Hamilton-Jacobi equations with fast diffusion. Mathematische Annalen, 2017, 368, 65-109. | 1.4 | 3 |
| 33 | Blow-up behavior of solutions to a degenerate parabolic-parabolic Keller-Segel system. Mathematische Annalen, 2017, 367, 461-499. | 1.4 | 13 |
| 34 | Self-similar extinction for a diffusive Hamilton-Jacobi equation with critical absorption. Calculus of Variations and Partial Differential Equations, 2017, 56, 1. | 1.7 | 3 |
| 35 | Vanishing aspect ratio limit for a fourth-order MEMS model. Annali Di Matematica Pura Ed Applicata, 2017, 196, 1537-1556. | 1.0 | 0 |
| 36 | Self-Similarity in a Thin Film Muskat Problem. SIAM Journal on Mathematical Analysis, 2017, 49, 2790-2842. | 1.9 | 12 |

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|----|--|-----|-----------|
| 37 | Finite speed of propagation and waiting time for a thin-film Muskat problem. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2017, 147, 813-830. | 1.2 | 6 |
| 38 | A constrained model for MEMS with varying dielectric properties. Journal of Elliptic and Parabolic Equations, 2017, 3, 15-51. | 0.9 | 5 |
| 39 | Large time behavior for the fast diffusion equation with critical absorption. Journal of Differential Equations, 2016, 260, 8000-8024. | 2.2 | 3 |
| 40 | Some singular equations modeling MEMS. Bulletin of the American Mathematical Society, 2016, 54, 437-479. | 1.5 | 26 |
| 41 | Large time behavior and Lyapunov functionals for a nonlocal differential equation. Nonlinear Differential Equations and Applications, 2016, 23, 1. | 0.8 | 0 |
| 42 | A variational approach to a stationary free boundary problem modeling MEMS. ESAIM - Control, Optimisation and Calculus of Variations, 2016, 22, 417-438. | 1.3 | 6 |
| 43 | The Fokker-Planck equation for bosons in 2D: Well-posedness and asymptotic behavior. Nonlinear Analysis: Theory, Methods & Applications, 2016, 137, 291-305. | 1.1 | 7 |
| 44 | On a three-dimensional free boundary problem modeling electrostatic MEMS. Interfaces and Free Boundaries, 2016, 18, 393-411. | 0.8 | 5 |
| 45 | Sign-preserving property for some fourth-order elliptic operators in one dimension or in radial symmetry. Journal D'Analyse Mathématique, 2015, 127, 69-89. | 0.8 | 9 |
| 46 | Absence of Gelation and Self-Similar Behavior for a Coagulation-Fragmentation Equation. SIAM Journal on Mathematical Analysis, 2015, 47, 2355-2374. | 1.9 | 6 |
| 47 | A hybrid variational principle for the Keller-Segel system in \mathbb{R}^n . ESAIM: Mathematical Modelling and Numerical Analysis, 2015, 49, 1553-1576. | 1.9 | 33 |
| 48 | Traveling Waves for a Thin Film with Gravity and Insoluble Surfactant. SIAM Journal on Applied Dynamical Systems, 2015, 14, 1991-2012. | 1.6 | 3 |
| 49 | Weak Compactness Techniques and Coagulation Equations. Lecture Notes in Mathematics, 2015, , 199-253. | 0.2 | 14 |
| 50 | Some recent results on a free boundary problem for microelectromechanical systems. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 761-762. | 0.2 | 0 |
| 51 | A free boundary problem modeling electrostatic MEMS: II. Nonlinear bending effects. Mathematical Models and Methods in Applied Sciences, 2014, 24, 2549-2568. | 3.3 | 16 |
| 52 | Dynamics of a free boundary problem with curvature modeling electrostatic MEMS. Transactions of the American Mathematical Society, 2014, 367, 5693-5719. | 0.9 | 15 |
| 53 | A fourth-order model for MEMS with clamped boundary conditions. Proceedings of the London Mathematical Society, 2014, 109, 1435-1464. | 1.3 | 10 |
| 54 | A Parabolic Free Boundary Problem Modeling Electrostatic MEMS. Archive for Rational Mechanics and Analysis, 2014, 211, 389-417. | 2.4 | 30 |

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|----|---|-----|-----------|
| 55 | Asymptotic behavior for a singular diffusion equation with gradient absorption. <i>Journal of Differential Equations</i> , 2014, 256, 2739-2777. | 2.2 | 3 |
| 56 | A free boundary problem modeling electrostatic MEMS: I. Linear bending effects. <i>Mathematische Annalen</i> , 2014, 360, 307-349. | 1.4 | 17 |
| 57 | A thin film approximation of the Muskat problem with gravity and capillary forces. <i>Journal of the Mathematical Society of Japan</i> , 2014, 66, . | 0.4 | 11 |
| 58 | A stationary free boundary problem modeling electrostatic MEMS. <i>Archive for Rational Mechanics and Analysis</i> , 2013, 207, 139-158. | 2.4 | 30 |
| 59 | Eternal solutions to a singular diffusion equation with critical gradient absorption. <i>Nonlinearity</i> , 2013, 26, 3169-3195. | 1.4 | 9 |
| 60 | The Parabolic-Parabolic Keller-Segel System with Critical Diffusion as a Gradient Flow in \mathbb{R}^3 . <i>Communications in Partial Differential Equations</i> , 2013, 38, 658-686. | 2.2 | 39 |
| 61 | Existence and uniqueness of very singular solutions for a fast diffusion equation with gradient absorption. <i>Journal of the London Mathematical Society</i> , 2013, 87, 509-529. | 1.0 | 12 |
| 62 | Finite time singularity in a free boundary problem modeling MEMS. <i>Comptes Rendus Mathematique</i> , 2013, 351, 807-812. | 0.3 | 13 |
| 63 | A gradient flow approach to a thin film approximation of the Muskat problem. <i>Calculus of Variations and Partial Differential Equations</i> , 2013, 47, 319-341. | 1.7 | 36 |
| 64 | A Phase-Field Approximation of the Willmore Flow with Volume and Area Constraints. <i>SIAM Journal on Mathematical Analysis</i> , 2012, 44, 3734-3754. | 1.9 | 11 |
| 65 | Weak solutions to a thin film model with capillary effects and insoluble surfactant. <i>Nonlinearity</i> , 2012, 25, 2423-2441. | 1.4 | 6 |
| 66 | Self-Similar Solutions to a Kinetic Model for Grain Growth. <i>Journal of Nonlinear Science</i> , 2012, 22, 399-427. | 2.1 | 5 |
| 67 | Weak solutions to the continuous coagulation equation with multiple fragmentation. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 2199-2208. | 1.1 | 22 |
| 68 | Global existence for a hydrogen storage model with full energy balance. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 3558-3573. | 1.1 | 7 |
| 69 | Positivity, decay, and extinction for a singular diffusion equation with gradient absorption. <i>Journal of Functional Analysis</i> , 2012, 262, 3186-3239. | 1.4 | 19 |
| 70 | Thin film equations with soluble surfactant and gravity: Modeling and stability of steady states. <i>Mathematische Nachrichten</i> , 2012, 285, 210-222. | 0.8 | 14 |
| 71 | Convergence to Separate Variables Solutions for a Degenerate Parabolic Equation with Gradient Source. <i>Journal of Dynamics and Differential Equations</i> , 2012, 24, 29-49. | 1.9 | 11 |
| 72 | Finite mass self-similar blowing-up solutions of a chemotaxis system with non-linear diffusion. <i>Communications on Pure and Applied Analysis</i> , 2012, 11, 47-60. | 0.8 | 8 |

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|----|--|-----|-----------|
| 73 | Asymptotic behaviour of a nonlinear parabolic equation with gradient absorption and critical exponent. <i>Interfaces and Free Boundaries</i> , 2011, 13, 271-295. | 0.8 | 8 |
| 74 | Global weak solutions for a degenerate parabolic system modeling the spreading of insoluble surfactant. <i>Indiana University Mathematics Journal</i> , 2011, 60, 1975-2020. | 0.9 | 9 |
| 75 | A stochastic min-driven coalescence process and its hydrodynamical limit. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2011, 47, . | 1.1 | 0 |
| 76 | Existence and stability of weak solutions for a degenerate parabolic system modelling two-phase flows in porous media. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2011, 28, 583-598. | 1.4 | 20 |
| 77 | Global-in-time solutions for the isothermal Matovichâ€“Pearson equations. <i>Nonlinearity</i> , 2011, 24, 277-292. | 1.4 | 1 |
| 78 | A phase-field approximation of the Willmore flow with volume constraint. <i>Interfaces and Free Boundaries</i> , 2011, 13, 341-351. | 0.8 | 8 |
| 79 | Global Existence vs. Blowup in a One-dimensional Smoluchowski-Poisson System. <i>Progress in Nonlinear Differential Equations and Their Application</i> , 2011, , 95-109. | 0.9 | 5 |
| 80 | Finite time blow-up for a one-dimensional quasilinear parabolicâ€“parabolic chemotaxis system. <i>Annales De L'Institut Henri Poincare (C) Analyse Non Lineaire</i> , 2010, 27, 437-446. | 1.4 | 83 |
| 81 | MATHEMATICAL MODELS OF RECEPTOR-MEDIATED TRANSPORT OF MORPHOGENS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2010, 20, 2021-2052. | 3.3 | 6 |
| 82 | Convergence to steady states for radially symmetric solutions to a quasilinear degenerate diffusive Hamiltonâ€“Jacobi equation. <i>Asymptotic Analysis</i> , 2010, 67, 229-250. | 0.5 | 8 |
| 83 | Nonuniversal self-similarity in a coagulationâ€“annihilation model with constant kernels. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 455210. | 2.1 | 5 |
| 84 | Refined Asymptotics for the Infinite Heat Equation with Homogeneous Dirichlet Boundary Conditions. <i>Communications in Partial Differential Equations</i> , 2010, 36, 532-546. | 2.2 | 6 |
| 85 | Looking for critical nonlinearity in the one-dimensional quasilinear Smoluchowski-Poisson system. <i>Discrete and Continuous Dynamical Systems</i> , 2010, 26, 417-430. | 0.9 | 10 |
| 86 | Well-Posedness and Convergence to the Steady State for a Model of Morphogen Transport. <i>SIAM Journal on Mathematical Analysis</i> , 2009, 40, 1725-1749. | 1.9 | 10 |
| 87 | Blowup of solutions to a diffusive aggregation model. <i>Nonlinearity</i> , 2009, 22, 1559-1568. | 1.4 | 18 |
| 88 | Critical mass for a Patlakâ€“Kellerâ€“Segel model with degenerate diffusion in higher dimensions. <i>Calculus of Variations and Partial Differential Equations</i> , 2009, 35, 133-168. | 1.7 | 138 |
| 89 | Marcusâ€“Lushnikov processes, Smoluchowskiâ€™s and Floryâ€™s models. <i>Stochastic Processes and Their Applications</i> , 2009, 119, 167-189. | 0.9 | 15 |
| 90 | Fermiâ€“Diracâ€“Fokkerâ€“Planck equation: Well-posedness & long-time asymptotics. <i>Journal of Differential Equations</i> , 2009, 247, 2209-2234. | 2.2 | 27 |

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|-----|---|-----|-----------|
| 91 | Proteus mirabilis swarm-colony development with drift. Journal Des Mathematiques Pures Et Appliquees, 2009, 92, 476-498. | 1.6 | 7 |
| 92 | Finite time blow-up for radially symmetric solutions to a critical quasilinear Smoluchowski-Poisson system. Comptes Rendus Mathematique, 2009, 347, 237-242. | 0.3 | 28 |
| 93 | Self-similar solutions with fat tails for a coagulation equation with nonlocal drift. Comptes Rendus Mathematique, 2009, 347, 909-914. | 0.3 | 15 |
| 94 | Non-Diffusive Large Time Behavior for a Degenerate Viscous Hamilton-Jacobi Equation. Communications in Partial Differential Equations, 2009, 34, 281-304. | 2.2 | 9 |
| 95 | Exponential decay for the growth-fragmentation/cell-division equations. Communications in Mathematical Sciences, 2009, 7, 503-510. | 1.0 | 37 |
| 96 | Gradient estimates for a degenerate parabolic equation with gradient absorption and applications. Journal of Functional Analysis, 2008, 254, 851-878. | 1.4 | 23 |
| 97 | An Age and Spatially Structured Population Model for <i>Proteus Mirabilis</i> Swarm-Colony Development. Mathematical Modelling of Natural Phenomena, 2008, 3, 49-77. | 2.4 | 6 |
| 98 | Self-Similar Solutions To The Oort-Hulst-Safronov Coagulation Equation. SIAM Journal on Mathematical Analysis, 2007, 39, 345-378. | 1.9 | 13 |
| 99 | Non-isothermal Smoluchowski-Poisson equations as a singular limit of the Navier-Stokes-Fourier-Poisson system. Journal Des Mathematiques Pures Et Appliquees, 2007, 88, 325-349. | 1.6 | 17 |
| 100 | On convergence to equilibria for the Keller-Segel chemotaxis model. Journal of Differential Equations, 2007, 236, 551-569. | 2.2 | 57 |
| 101 | Well-posedness for a model of prion proliferation dynamics. Journal of Evolution Equations, 2007, 7, 241-264. | 1.1 | 27 |
| 102 | Localized Non-diffusive Asymptotic Patterns for Nonlinear Parabolic Equations with Gradient Absorption. Journal of Dynamics and Differential Equations, 2007, 19, 985-1005. | 1.9 | 17 |
| 103 | Asymptotic behavior for a viscous Hamilton-Jacobi equation with critical exponent. Indiana University Mathematics Journal, 2007, 56, 459-480. | 0.9 | 16 |
| 104 | Convergence to steady states for a one-dimensional viscous Hamilton-Jacobi equation with Dirichlet boundary conditions. Pacific Journal of Mathematics, 2007, 230, 347-364. | 0.5 | 10 |
| 105 | Well-posedness of Smoluchowski's coagulation equation for a class of homogeneous kernels. Journal of Functional Analysis, 2006, 233, 351-379. | 1.4 | 44 |
| 106 | Self-similar solutions to a coagulation equation with multiplicative kernel. Physica D: Nonlinear Phenomena, 2006, 222, 80-87. | 2.8 | 15 |
| 107 | The 8 π -problem for radially symmetric solutions of a chemotaxis model in the plane. Mathematical Methods in the Applied Sciences, 2006, 29, 1563-1583. | 2.3 | 97 |
| 108 | Local properties of self-similar solutions to Smoluchowski's coagulation equation with sum kernels. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2006, 136, 485-508. | 1.2 | 24 |

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|-----|---|-----|-----------|
| 109 | Existence of Self-Similar Solutions to Smoluchowski's Coagulation Equation. Communications in Mathematical Physics, 2005, 256, 589-609. | 2.2 | 71 |
| 110 | Optimal growth rates for a viscous Hamilton-Jacobi equation. Journal of Evolution Equations, 2005, 5, 123-135. | 1.1 | 4 |
| 111 | Convergence to self-similar solutions for a coagulation equation. Zeitschrift Fur Angewandte Mathematik Und Physik, 2005, 56, 398-411. | 1.4 | 12 |
| 112 | Liapunov Functionals for Smoluchowski's Coagulation Equation and Convergence to Self-Similarity. Monatshefte Fur Mathematik, 2005, 146, 127-142. | 0.9 | 13 |
| 113 | Very singular solutions to a nonlinear parabolic equation with absorption II. Uniqueness. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2004, 134, 39-54. | 1.2 | 11 |
| 114 | Mass-conserving solutions and non-conservative approximation to the Smoluchowski coagulation equation. Archiv Der Mathematik, 2004, 83, 558-567. | 0.5 | 21 |
| 115 | Chapman-Enskog derivation of the generalized Smoluchowski equation. Physica A: Statistical Mechanics and Its Applications, 2004, 341, 145-164. | 2.6 | 60 |
| 116 | Asymptotic profiles of solutions to viscous Hamilton-Jacobi equations. Journal Des Mathematiques Pures Et Appliquees, 2004, 83, 1275-1308. | 1.6 | 36 |
| 117 | Numerical Simulation of the Smoluchowski Coagulation Equation. SIAM Journal of Scientific Computing, 2004, 25, 2004-2028. | 2.8 | 145 |
| 118 | On coalescence equations and related models. Modeling and Simulation in Science, Engineering and Technology, 2004, , 321-356. | 0.6 | 44 |
| 119 | On the growth of mass for a viscous Hamilton-Jacobi equation. Journal D'Analyse Mathematique, 2003, 89, 367-383. | 0.8 | 25 |
| 120 | Convergence to equilibrium for the continuous coagulation-fragmentation equation. Bulletin Des Sciences Mathematiques, 2003, 127, 179-190. | 1.0 | 17 |
| 121 | Gelation and mass conservation in coagulation-fragmentation models. Journal of Differential Equations, 2003, 195, 143-174. | 2.2 | 74 |
| 122 | On the Oort-Hulst-Safronov Coagulation Equation and Its Relation to the Smoluchowski Equation. SIAM Journal on Mathematical Analysis, 2003, 34, 1399-1421. | 1.9 | 30 |
| 123 | From the discrete to the continuous coagulation-fragmentation equations. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2002, 132, 1219-1248. | 1.2 | 15 |
| 124 | THE DISCRETE COAGULATION EQUATIONS WITH MULTIPLE FRAGMENTATION. Proceedings of the Edinburgh Mathematical Society, 2002, 45, 67-82. | 0.3 | 27 |
| 125 | From the discrete to the continuous coagulation-fragmentation equations. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2002, 132, 1219-1248. | 1.2 | 59 |
| 126 | The Continuous Coagulation-Fragmentation Equations with Diffusion. Archive for Rational Mechanics and Analysis, 2002, 162, 45-99. | 2.4 | 73 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Global existence of a strong solution to the one-dimensional full model for irreversible phase transitions. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 271, 426-442. | 1.0 | 27 |
| 128 | Extinction and decay estimates for viscous Hamilton-Jacobi equations in \mathbb{R}^N . <i>Proceedings of the American Mathematical Society</i> , 2001, 130, 1103-1111. | 0.8 | 20 |
| 129 | THE LIFSHITZ-SLYOZOV EQUATION WITH ENCOUNTERS. <i>Mathematical Models and Methods in Applied Sciences</i> , 2001, 11, 731-748. | 3.3 | 24 |
| 130 | Very singular solutions to a nonlinear parabolic equation with absorption. I. Existence. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2001, 131, 27-44. | 1.2 | 12 |
| 131 | On a Class of Continuous Coagulation-Fragmentation Equations. <i>Journal of Differential Equations</i> , 2000, 167, 245-274. | 2.2 | 61 |
| 132 | Global solutions to viscous hamilton-jacob1 equations with irregular initial data. <i>Communications in Partial Differential Equations</i> , 1999, 24, 1999-2021. | 2.2 | 54 |
| 133 | Sharp Sobolev Estimates for Concentration of Solutions to an Aggregation-Diffusion Equation. <i>Journal of Dynamics and Differential Equations</i> , 0, , 1. | 1.9 | 0 |
| 134 | Steady states for a fragmentation equation with size diffusion. , 0, , . | | 5 |
| 135 | The fragmentation equation with size diffusion: Well posedness and long-term behaviour. <i>European Journal of Applied Mathematics</i> , 0, , 1-34. | 2.9 | 2 |