

# Timothy N Phillips

## List of Publications by Year in descending order

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131  
papers

2,353  
citations

257450

24  
h-index

302126

39  
g-index

133  
all docs

133  
docs citations

133  
times ranked

1374  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Lattice Boltzmann model for simulating immiscible two-phase flows. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 4033-4053.   | 2.1 | 189       |
| 2  | Spectral Galerkin methods for the primary two-point boundary value problem in modelling viscoelastic flows. <i>International Journal for Numerical Methods in Engineering</i> , 1988, 26, 647-662.    | 2.8 | 95        |
| 3  | Viscoelastic flow through a planar contraction using a semi-Lagrangian finite volume method. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1999, 87, 215-246.                                     | 2.4 | 78        |
| 4  | Modified lattice Boltzmann model for axisymmetric flows. <i>Physical Review E</i> , 2007, 75, 056703.   | 2.1 | 71        |
| 5  | Spectral collocation methods for the primary two-point boundary value problem in modelling viscoelastic flows. <i>International Journal for Numerical Methods in Engineering</i> , 1988, 26, 805-813. | 2.8 | 63        |
| 6  | Contraction/expansion flows: The pressure drop and related issues. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 137, 31-38.  | 2.4 | 51        |
| 7  | On the effects of a piezoviscous lubricant on the dynamics of a journal bearing. <i>Journal of Rheology</i> , 1996, 40, 1239-1266.  | 2.6 | 48        |
| 8  | Numerical validation of a consistent axisymmetric lattice Boltzmann model. <i>Physical Review E</i> , 2008, 77, 026703.   | 2.1 | 48        |
| 9  | Comparison of creeping and inertial flow of an Oldroyd B fluid through planar and axisymmetric contractions. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2002, 108, 25-47.                      | 2.4 | 47        |
| 10 | The effect of viscoelasticity on a rising gas bubble. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 852-865.   | 2.4 | 45        |
| 11 | The Treatment of Spurious Pressure Modes in Spectral Incompressible Flow Calculations. <i>Journal of Computational Physics</i> , 1993, 105, 150-164.  | 3.8 | 39        |
| 12 | A dynamic nonlinear regression method for the determination of the discrete relaxation spectrum. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1219-1229.                                     | 2.8 | 38        |
| 13 | On the Legendre Coefficients of a General-Order Derivative of an Infinitely Differentiable Function. <i>IMA Journal of Numerical Analysis</i> , 1988, 8, 455-459.                                     | 2.9 | 37        |
| 14 | Natural convection in an enclosed cavity. <i>Journal of Computational Physics</i> , 1984, 54, 365-381.  | 3.8 | 36        |
| 15 | The influence of viscoelasticity on the collapse of cavitation bubbles near a rigid boundary. <i>Theoretical and Computational Fluid Dynamics</i> , 2012, 26, 245-277.                                | 2.2 | 36        |
| 16 | On the Mathematical Modelling of a Compressible Viscoelastic Fluid. <i>Archive for Rational Mechanics and Analysis</i> , 2012, 205, 1-26.   | 2.4 | 35        |
| 17 | Lattice Boltzmann models for non-Newtonian flows. <i>IMA Journal of Applied Mathematics</i> , 2011, 76, 790-816.  | 1.6 | 34        |
| 18 | Viscoelastic flow around a confined cylinder using spectral/hp element methods. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 200, 131-146.   | 2.4 | 33        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Compatible Spectral Approximations for the Velocity-Pressure-Stress Formulation of the Stokes Problem. <i>SIAM Journal of Scientific Computing</i> , 1999, 20, 1530-1550.                                       | 2.8 | 32        |
| 20 | On the Coefficients of Integrated Expansions of Ultraspherical Polynomials. <i>SIAM Journal on Numerical Analysis</i> , 1990, 27, 823-830.  | 2.3 | 30        |
| 21 | Numerical prediction of extrudate swell of branched polymer melts. <i>Rheologica Acta</i> , 2010, 49, 657-676.  | 2.4 | 28        |
| 22 | The effect of viscoelasticity on the dynamics of gas bubbles near free surfaces. <i>Physics of Fluids</i> , 2013, 25, .   | 4.0 | 28        |
| 23 | A Moving Spectral Element Approach to the Dynamically Loaded Journal Bearing Problem. <i>Journal of Computational Physics</i> , 1996, 123, 476-494.   | 3.8 | 27        |
| 24 | Discontinuous spectral element approximations for the velocity-pressure-stress formulation of the Stokes problem. <i>International Journal for Numerical Methods in Engineering</i> , 1998, 43, 1401-1419.      | 2.8 | 27        |
| 25 | On the influence of lubricant properties on the dynamics of two-dimensional journal bearings. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2000, 93, 29-59.  | 2.4 | 25        |
| 26 | Modelling pom-pom type models with high-order finite volume schemes. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2005, 126, 207-220.  | 2.4 | 25        |
| 27 | Spherical bubble collapse in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 56-64.   | 2.4 | 25        |
| 28 | A consistent reflected image particle approach to the treatment of boundary conditions in smoothed particle hydrodynamics. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 3400-3410. | 6.6 | 24        |
| 29 | The Langevin and Fokker-Planck Equations in Polymer Rheology. <i>Handbook of Numerical Analysis</i> , 2011, 16, 211-303.  | 1.8 | 23        |
| 30 | Chebyshev spectral collocation methods for laminar flow through a channel contraction. <i>Journal of Computational Physics</i> , 1989, 84, 114-133.   | 3.8 | 21        |
| 31 | STEADY VISCOELASTIC FLOW PAST A SPHERE USING SPECTRAL ELEMENTS. <i>International Journal for Numerical Methods in Engineering</i> , 1996, 39, 1517-1534.  | 2.8 | 21        |
| 32 | Viscoelastic flow in an undulating tube using spectral methods. <i>Computers and Fluids</i> , 2004, 33, 1075-1095.  | 2.5 | 21        |
| 33 | The numerical prediction of planar viscoelastic contraction flows using the pom-pom model and higher-order finite volume schemes. <i>Journal of Computational Physics</i> , 2007, 220, 586-611.                 | 3.8 | 20        |
| 34 | Spectral collocation methods for stokes flow in contraction geometries and unbounded domains. <i>Journal of Computational Physics</i> , 1989, 80, 314-330.  | 3.8 | 19        |
| 35 | Conforming Chebyshev Spectral Collocation Methods for the Solution of Laminar flow in a Constricted Channel. <i>IMA Journal of Numerical Analysis</i> , 1991, 11, 33-54.  | 2.9 | 19        |
| 36 | On the simulation of viscoelastic flow past a sphere using spectral methods. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1992, 44, 281-306.   | 2.4 | 18        |

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|----|--|-----|-----------|
| 37 | Spectral Element Methods for Axisymmetric Stokes Problems. <i>Journal of Computational Physics</i> , 2000, 164, 81-103.  | 3.8 | 18        |
| 38 | Conservative semi-Lagrangian finite volume schemes. <i>Numerical Methods for Partial Differential Equations</i> , 2001, 17, 403-425.   | 3.6 | 18        |
| 39 | On the solution of the Fokker-Planck equation using a high-order reduced basis approximation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 199, 158-168.                               | 6.6 | 18        |
| 40 | Singular Matched Eigenfunction Expansions for Stokes Flow around a Corner. <i>IMA Journal of Applied Mathematics</i> , 1989, 42, 13-26.  | 1.6 | 17        |
| 41 | Efficient Direct Methods for Solving the Spectral Collocation Equations for Stokes Flow in Rectangularly Decomposable Domains. <i>SIAM Journal on Scientific and Statistical Computing</i> , 1989, 10, 89-103. | 1.5 | 17        |
| 42 | Spectral element methods for transient viscoelastic flow problems. <i>Journal of Computational Physics</i> , 2004, 201, 286-314.   | 3.8 | 17        |
| 43 | A spectral element approach to the simulation of viscoelastic flows using Brownian configuration fields. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 138, 98-110.                                  | 2.4 | 17        |
| 44 | Bubble collapse in compressible fluids using a spectral element marker particle method. Part 2. Viscoelastic fluids. <i>International Journal for Numerical Methods in Fluids</i> , 2013, 71, 1103-1130.       | 1.6 | 17        |
| 45 | Preconditioners for the Spectral Multigrid Method. <i>IMA Journal of Numerical Analysis</i> , 1986, 6, 273-292.  | 2.9 | 16        |
| 46 | On semi-infinite spectral elements for Poisson problems with re-entrant boundary singularities. <i>Journal of Computational and Applied Mathematics</i> , 1988, 21, 173-188.                                   | 2.0 | 16        |
| 47 | Pseudospectral collocation methods for fourth-order differential equations. <i>IMA Journal of Numerical Analysis</i> , 1995, 15, 523-553.  | 2.9 | 16        |
| 48 | Spectral element predictions of die-swell for Oldroyd-B fluids. <i>Computers and Fluids</i> , 2011, 43, 107-118.   | 2.5 | 16        |
| 49 | High-order finite volume methods for viscoelastic flow problems. <i>Journal of Computational Physics</i> , 2004, 199, 16-40.   | 3.8 | 15        |
| 50 | Numerical simulation of flow past a cylinder using models of XPP type. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 156, 7-20.  | 2.4 | 15        |
| 51 | A spectral domain decomposition method for the planar non-Newtonian stick-slip problem. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 1991, 41, 43-79.   | 2.4 | 14        |
| 52 | Influence matrix technique for the numerical spectral simulation of viscous incompressible flows. <i>Numerical Methods for Partial Differential Equations</i> , 1991, 7, 9-24.                                 | 3.6 | 14        |
| 53 | Preconditioned Iterative Methods for Unsteady Non-Newtonian Flow Between Eccentrically Rotating Cylinders. <i>SIAM Journal of Scientific Computing</i> , 1996, 17, 1369-1394.                                  | 2.8 | 14        |
| 54 | Unphysical phenomena associated with the extended pom-pom model in steady flow. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 145, 92-101.   | 2.4 | 14        |

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|----|--|-----|-----------|
| 55 | On the characteristics and compatibility equations for the UCM model fluid. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2008, 88, 523-539.                                | 1.6 | 14        |
| 56 | High-order approximation of Pearson diffusion processes. Journal of Computational and Applied Mathematics, 2012, 236, 2853-2868.   | 2.0 | 14        |
| 57 | Three-dimensional spectral approximations to Stokes flow between eccentrically rotating cylinders. International Journal for Numerical Methods in Fluids, 1991, 13, 217-233.           | 1.6 | 13        |
| 58 | Preconditioned iterative methods for elliptic problems on decomposed domains. International Journal of Computer Mathematics, 1992, 44, 5-18.   | 1.8 | 13        |
| 59 | On the coefficients of differentiated expansions of ultraspherical polynomials. Applied Numerical Mathematics, 1992, 9, 133-141.   | 2.1 | 13        |
| 60 | Pseudospectral method for transient viscoelastic flow in an axisymmetric channel. Numerical Methods for Partial Differential Equations, 1993, 9, 691-710.                              | 3.6 | 13        |
| 61 | The influence of Oldroyd-B and PTT lubricants on moving journal bearing systems. Journal of Non-Newtonian Fluid Mechanics, 2008, 150, 196-210.   | 2.4 | 13        |
| 62 | Mixed finite element methods for groundwater flow in heterogeneous aquifers. Computers and Fluids, 2013, 88, 60-80.  | 2.5 | 13        |
| 63 | On the derivation of macroscopic models for compressible viscoelastic fluids using the generalized bracket framework. Journal of Non-Newtonian Fluid Mechanics, 2019, 266, 59-71.      | 2.4 | 13        |
| 64 | Efficient and stable spectral element methods for predicting the flow of an XPP fluid past a cylinder. Journal of Non-Newtonian Fluid Mechanics, 2005, 129, 143-162.                   | 2.4 | 12        |
| 65 | Three-dimensional effects in dynamically loaded journal bearings. International Journal for Numerical Methods in Fluids, 1999, 29, 311-341.  | 1.6 | 11        |
| 66 | A transient thermal analysis for dynamically loaded bearings. Computers and Fluids, 2000, 29, 749-790.   | 2.5 | 11        |
| 67 | A Semi-Lagrangian Finite Volume Method for Newtonian Contraction Flows. SIAM Journal of Scientific Computing, 2001, 22, 2152-2177.   | 2.8 | 10        |
| 68 | Numerical simulation of steady planar die swell for a Newtonian fluid using the spectral element method. Computers and Fluids, 2010, 39, 780-792.                                      | 2.5 | 10        |
| 69 | The Effect of Viscoelasticity on the Performance of Dynamically Loaded Journal Bearings. , 0, , .  |     | 9         |
| 70 | On the use of characteristic variables in viscoelastic flow problems. IMA Journal of Applied Mathematics, 2001, 66, 127-147.   | 1.6 | 9         |
| 71 | The prediction of complex flows of polymer melts using spectral elements. Journal of Non-Newtonian Fluid Mechanics, 2004, 122, 287-301.  | 2.4 | 9         |
| 72 | Residual a posteriori error estimator for a three-field model of a non-linear generalized Stokes problem. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 2599-2610. | 6.6 | 9         |

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|----|---|-----|-----------|
| 73 | On the potential of spectral methods to solve problems in non-Newtonian fluid mechanics. <i>Numerical Methods for Partial Differential Equations</i> , 1989, 5, 35-43.                                | 3.6 | 7         |
| 74 | On efficient direct methods for conforming spectral domain decomposition techniques. <i>Journal of Computational and Applied Mathematics</i> , 1990, 33, 141-155.                                     | 2.0 | 7         |
| 75 | On the effects of a compressible viscous lubricant on the load-bearing capacity of a journal bearing. <i>International Journal for Numerical Methods in Fluids</i> , 2007, 55, 1091-1120.             | 1.6 | 7         |
| 76 | Viscoelastic flow past confined objects using a micro-macro approach. <i>Rheologica Acta</i> , 2009, 48, 373-395.   | 2.4 | 7         |
| 77 | A non-singular boundary element method for modelling bubble dynamics in viscoelastic fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2016, 235, 109-124.                                    | 2.4 | 7         |
| 78 | A spectral element formulation of the immersed boundary method for Newtonian fluids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 298, 29-57.                                 | 6.6 | 7         |
| 79 | A high resolution spectral element approximation of viscoelastic flows in axisymmetric geometries using a DEVSS-G/DG formulation. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2017, 240, 15-33. | 2.4 | 7         |
| 80 | Mass- and momentum-conserving spectral methods for Stokes flow. <i>Journal of Computational and Applied Mathematics</i> , 1994, 53, 185-206.  | 2.0 | 6         |
| 81 | Viscometric flow interpretation using qualitative and quantitative techniques. <i>Engineering Applications of Artificial Intelligence</i> , 1999, 12, 255-272.  | 8.1 | 6         |
| 82 | Some issues regarding spectral element meshes for moving journal bearing systems. <i>International Journal for Numerical Methods in Fluids</i> , 2005, 48, 423-454.                                   | 1.6 | 6         |
| 83 | The numerical prediction of droplet deformation and breakup using the Godunov marker-particle projection scheme. <i>International Journal for Numerical Methods in Fluids</i> , 2008, 56, 1155-1160.  | 1.6 | 6         |
| 84 | Bubble collapse in compressible fluids using a spectral element marker particle method. Part 1. Newtonian fluids. <i>International Journal for Numerical Methods in Fluids</i> , 2012, 70, 1167-1187. | 1.6 | 6         |
| 85 | A conforming spectral collocation strategy for Stokes flow through a channel contraction. <i>Applied Numerical Mathematics</i> , 1991, 7, 329-345.  | 2.1 | 5         |
| 86 | Compatible pseudospectral approximations for incompressible flow in an undulating tube. <i>Journal of Rheology</i> , 1993, 37, 1181-1199.   | 2.6 | 5         |
| 87 | Multidomain Collocation Methods for the Stream Function Formulation of the Navier-Stokes Equations. <i>SIAM Journal of Scientific Computing</i> , 1995, 16, 773-797.                                  | 2.8 | 5         |
| 88 | Flow past a cylinder using a semi-Lagrangian spectral element method. <i>Applied Numerical Mathematics</i> , 2000, 33, 251-257.   | 2.1 | 5         |
| 89 | Alternative approach to the solution of the dispersion relation for a generalized lattice Boltzmann equation. <i>Physical Review E</i> , 2008, 77, 026702.  | 2.1 | 5         |
| 90 | Spectral/hp element methods for plane Newtonian extrudate swell. <i>Computers and Fluids</i> , 2015, 116, 105-117.  | 2.5 | 5         |

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| 91  | Numerical approximation of high-dimensional Fokker-Planck equations with polynomial coefficients. <i>Journal of Computational and Applied Mathematics</i> , 2015, 273, 296-312.                          | 2.0 | 5         |
| 92  | A Finite Difference Scheme for the Equilibrium Equations of Elastic Bodies. <i>SIAM Journal on Scientific and Statistical Computing</i> , 1986, 7, 288-300.  | 1.5 | 4         |
| 93  | Relaxation schemes for spectral multigrid methods. <i>Journal of Computational and Applied Mathematics</i> , 1987, 18, 149-162.  | 2.0 | 4         |
| 94  | The spectral simulation of axisymmetric non-Newtonian flows using time splitting techniques. <i>Finite Elements in Analysis and Design</i> , 1994, 16, 229-236.  | 3.2 | 4         |
| 95  | On the enforcement of the zero mean pressure condition in the spectral element approximation of the Stokes problem. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2006, 195, 1027-1049. | 6.6 | 4         |
| 96  | The choice of spectral element basis functions in domains with an axis of symmetry. <i>Journal of Computational and Applied Mathematics</i> , 2007, 201, 217-229.  | 2.0 | 4         |
| 97  | An anisothermal, compressible, piezoviscous model for journal-bearing lubrication. <i>International Journal for Numerical Methods in Fluids</i> , 2008, 58, 27-55.                                       | 1.6 | 4         |
| 98  | The effect of viscoelasticity on the dynamics of two gas bubbles near a rigid boundary. <i>IMA Journal of Applied Mathematics</i> , 2012, 77, 652-677.   | 1.6 | 4         |
| 99  | Efficient stochastic FEM for flow in heterogeneous porous media. Part 1: random Gaussian conductivity coefficients. <i>International Journal for Numerical Methods in Fluids</i> , 2014, 74, 359-385.    | 1.6 | 4         |
| 100 | The Effect of Lubricant Rheology on the Performance of Dynamically Loaded Journal Bearings. , 0, ,   |     | 3         |
| 101 | A mass conserving multi-domain spectral collocation method for the Stokes problem. <i>Computers and Fluids</i> , 1997, 26, 825-840.  | 2.5 | 3         |
| 102 | Numerical approximation of the spectra of Phan-Thien Tanner liquids. <i>Numerical Algorithms</i> , 2005, 38, 133-153.  | 1.9 | 3         |
| 103 | A modified deformation field method for integral constitutive models. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2009, 163, 78-87.  | 2.4 | 3         |
| 104 | Generic polyhedron grid generation for solving partial differential equations on spherical surfaces. <i>Computers and Geosciences</i> , 2012, 39, 11-17.   | 4.2 | 3         |
| 105 | Least-Squares Proper Generalized Decompositions for Weakly Coercive Elliptic Problems. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, A1366-A1388.  | 2.8 | 3         |
| 106 | Linear stability of the flow of a second order fluid past a wedge. <i>Physics of Fluids</i> , 2020, 32, ,  | 4.0 | 3         |
| 107 | A finite difference scheme for a class of first-order elliptic partial differential equations. <i>Computers and Mathematics With Applications</i> , 1985, 11, 411-417.                                   | 2.7 | 2         |
| 108 | An Embedding Method for the Cauchy-Riemann Equations. <i>IMA Journal of Numerical Analysis</i> , 1985, 5, 429-436.   | 2.9 | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Spectral domain decomposition techniques for viscous incompressible flows. <i>Computer Methods in Applied Mechanics and Engineering</i> , 1990, 80, 389-395.                            | 6.6 | 2         |
| 110 | Title is missing!. <i>Journal of Scientific Computing</i> , 2002, 17, 201-210.  | 2.3 | 2         |
| 111 | Numerical Approximation of the Spectra of Phan-Thien Tanner Liquids. <i>Numerical Algorithms</i> , 2005, 38, 133-153.   | 1.9 | 2         |
| 112 | A physical decomposition of the stress tensor for complex flows. <i>Rheologica Acta</i> , 2008, 47, 719-725.  | 2.4 | 2         |
| 113 | Compressible and nonisothermal viscoelastic flow between eccentrically rotating cylinders. <i>Theoretical and Computational Fluid Dynamics</i> , 2021, 35, 731-756.                     | 2.2 | 2         |
| 114 | Numerical solution of a coupled pair of elliptic equations from solid state electronics. <i>Journal of Computational Physics</i> , 1984, 53, 472-483.                                   | 3.8 | 1         |
| 115 | A modified least squares formulation for a system of first-order equations. <i>Applied Numerical Mathematics</i> , 1985, 1, 339-347.  | 2.1 | 1         |
| 116 | On the numerical treatment of boundary singularities in elliptic problems. <i>Journal of Computational Physics</i> , 1986, 64, 459-472.   | 3.8 | 1         |
| 117 | The smoothing properties of the alternating direction implicit method in multigrid iterations. <i>Applied Numerical Mathematics</i> , 1987, 3, 513-522.                                 | 2.1 | 1         |
| 118 | On methods of incomplete LU decompositions for solving Poisson's equation in annular regions. <i>Applied Numerical Mathematics</i> , 1991, 8, 515-531.                                  | 2.1 | 1         |
| 119 | Well-conditioned spectral discretizations of the biharmonic operator. <i>International Journal of Computer Mathematics</i> , 1993, 48, 179-189.   | 1.8 | 1         |
| 120 | Compatible approximation spaces for the velocity-pressure-stress formulation for creeping flows. <i>Applied Numerical Mathematics</i> , 2000, 33, 225-231.                              | 2.1 | 1         |
| 121 | Preface to the XIIIth International Workshop Special Issue of the <i>Journal of non-Newtonian Fluid Mechanics</i> . <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2004, 122, 1-2.   | 2.4 | 1         |
| 122 | Property preserving reformulation of constitutive laws for the conformation tensor. <i>Theoretical and Computational Fluid Dynamics</i> , 2018, 32, 789-803.                            | 2.2 | 1         |
| 123 | B. Fornberg A practical guide to pseudospectral methods (Cambridge University Press, Cambridge,) Tj ETQq1 1 0.784314 rgBT /Overlaid<br><i>Mathematical Society</i> , 1999, 42, 209-211. | 0.3 | 0         |
| 124 | Reply to "Comment on "Alternative approach to the solution of the dispersion relation for a generalized lattice Boltzmann equation" Physical Review E, 2008, 78, .                      | 2.1 | 0         |
| 125 | 5th Annual European Rheology Conference (AERC 2009), Cardiff, Wales, United Kingdom, 15-17 April 2009. <i>Rheologica Acta</i> , 2010, 49, 541-542.                                      | 2.4 | 0         |
| 126 | Towards global SEM mantle convection simulations on polyhedral-based grids. <i>Journal of Computational and Applied Mathematics</i> , 2019, 348, 48-57.                                 | 2.0 | 0         |



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|-----|--|-----|-----------|
| 127 | Efficient stochastic finite element methods for flow in heterogeneous porous media. Part 2: Random lognormal permeability. International Journal for Numerical Methods in Fluids, 2020, 92, 1626-1652. | 1.6 | 0         |
| 128 | The Effect of Lubricant Rheology in Dynamically Loaded Journal Bearings. , 1998, , 363-364.  |     | 0         |
| 129 | The Effect of Viscoelasticity on the Performance of Journal Bearings. , 2006, , 175-186.   |     | 0         |
| 130 | Efficient spectral algorithms for solving the incompressible Navier-stokes equations in unbounded rectangularly decomposable domains. , 1989, , 484-488.   |     | 0         |
| 131 | Conforming Chebyshev spectral collocation methods for the solution of the incompressible Navier-Stokes equations in complex geometries. , 1990, , 179-180.   |     | 0         |