

# Bruce Henry

Professor of Applied Mathematics, UNSW Australia random walks pattern formation anomalous diffusion continuous time random walks fractional calculus

|           | All  | Since 2013 |
|-----------|------|------------|
| Citations | 2510 | 1353       |
| h-index   | 23   | 18         |
| i10-index | 45   | 28         |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| The accuracy and stability of an implicit solution method for the fractional diffusion equation TAM Langlands, BI Henry Journal of Computational Physics 205 (2), 719-736  | 373      | 2005 |
| Fractional reaction—diffusion BI Henry, SL Wearne Physica A: Statistical Mechanics and its Applications 276 (3-4), 448-455   | 256      | 2000 |
| Anomalous diffusion with linear reaction dynamics: From continuous time random walks to fractional reaction-diffusion equations BI Henry, TAM Langlands, SL Wearne Physical Review E 74 (3), 031116                                    | 180      | 2006 |
| Existence of Turing instabilities in a two-species fractional reaction-diffusion system BI Henry, SL Wearne SIAM Journal on Applied Mathematics 62 (3), 870-887  | 153      | 2002 |
| Fractional cable models for spiny neuronal dendrites BI Henry, TAM Langlands, SL Wearne Physical review letters 100 (12), 128103   | 106      | 2008 |
| Turing pattern formation in fractional activator-inhibitor systems<br>BI Henry, TAM Langlands, SL Wearne<br>Physical Review E 72 (2), 026101   | 98       | 2005 |
| Fractional Fokker-Planck equations for subdiffusion with space-and time-<br>dependent forces<br>BI Henry, TAM Langlands, P Straka<br>Physical Review Letters 105 (17), 170602  | 92       | 2010 |
| Fractional cable equation models for anomalous electrodiffusion in nerve cells: infinite domain solutions TAM Langlands, BI Henry, SL Wearne Journal of mathematical biology 59 (6), 761   | 89       | 2009 |
| Nonlinear dynamics time series analysis B Henry, N Lovell, F Camacho Nonlinear Biomedical Signal Processing: Dynamic Analysis and Modeling   | 74       | 2012 |
| The electrotonic structure of pyramidal neurons contributing to prefrontal cortical circuits in macaque monkeys is significantly altered in aging D Kabaso, PJ Coskren, BI Henry, PR Hof, SL Wearne Cerebral Cortex 19 (10), 2248-2268 | 74       | 2009 |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| Anomalous subdiffusion with multispecies linear reaction dynamics TAM Langlands, BI Henry, SL Wearne Physical Review E 77 (2), 021111  | 60       | 2008 |
| Fractional chemotaxis diffusion equations TAM Langlands, BI Henry Physical Review E 81 (5), 051102   | 55       | 2010 |
| A case for biotic morphogenesis of coniform stromatolites<br>MT Batchelor, RV Burne, BI Henry, MJ Jackson<br>Physica A: Statistical Mechanics and its Applications 337 (1-2), 319-326            | 53       | 2004 |
| Lagging and leading coupled continuous time random walks, renewal time and their joint limits P Straka, BI Henry   | es 50    | 2011 |
| Stochastic Processes and their Applications 121 (2), 324-336   |          |      |
| Turing pattern formation with fractional diffusion and fractional reactions TAM Langlands, BI Henry, SL Wearne Journal of Physics: Condensed Matter 19 (6), 065115                               | 43       | 2007 |
| Continuous time random walks with reactions forcing and trapping CN Angstmann, IC Donnelly, BI Henry Mathematical Modelling of Natural Phenomena 8 (2), 17-27                                    | 40       | 2013 |
| Fractional cable equation models for anomalous electrodiffusion in nerve cells: finite domain solutions TAM Langlands, BI Henry, SL Wearne SIAM Journal on Applied Mathematics 71 (4), 1168-1203 | 38       | 2011 |
| Deterministic KPZ model for stromatolite laminae<br>MT Batchelor, RV Burne, BI Henry, SD Watt<br>Physica A: Statistical Mechanics and its Applications 282 (1-2), 123-136                        | 32       | 2000 |
| Limits to Eden growth in two and three dimensions<br>MT Batchelor, BI Henry<br>Physics Letters A 157 (4-5), 229-236  | 30       | 1991 |
| BI Henry, TAM Langlands, and SL Wearne, Phys. Rev. E 74, 031116 (2006). BI Henry Phys. Rev. E 74, 031116   | 27       | 2006 |
| Pattern formation on networks with reactions: A continuous-time random-walk approach CN Angstmann, IC Donnelly, BI Henry Physical Review E 87 (3), 032804  | 25       | 2013 |
| Functionally relevant measures of spatial complexity in neuronal dendritionarbors P Rothnie, D Kabaso, PR Hof, BI Henry, SL Wearne Journal of theoretical Biology 238 (3), 505-526               | 24       | 2006 |
| An introduction to fractional diffusion BI Henry, TAM Langlands, P Straka Complex Physical, Biophysical and Econophysical Systems, 37-89   | 23       | 2010 |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| Statistical physics and stromatolite growth: new perspectives on an ancier dilemma MT Batchelor, RV Burne, BI Henry, T Slatyer Physica A: Statistical Mechanics and its Applications 350 (1), 6-11                   | nt 23    | 2005 |
| The correlation dimension: A useful objective measure of the transient visual evoked potential? MY Boon, BI Henry, CM Suttle, SJ Dain Journal of vision 8 (1), 6-6   | 22       | 2008 |
| Turing patterns from dynamics of early HIV infection<br>O Stancevic, CN Angstmann, JM Murray, BI Henry<br>Bulletin of mathematical biology 75 (5), 774-795   | 21       | 2013 |
| Continuum model for radial interface growth MT Batchelor, BI Henry, SD Watt Physica A: Statistical Mechanics and its Applications 260 (1-2), 11-19   | 19       | 1998 |
| Reversible approach to statistical equilibrium in a nonlinear chain: An ensemble study BI Henry, J Grindlay Physica D: Nonlinear Phenomena 28 (1-2), 49-79   | 17       | 1987 |
| Branching in the zero-noise limit of discrete Laplacian growth processes MT Batchelor, BI Henry Physical Review A 45 (6), 4180   | 16       | 1992 |
| Mathematical and image analysis of stromatolite morphogenesis MT Batchelor, RV Burne, BI Henry, SD Watt Mathematical Geology 35 (7), 789-803   | 14       | 2003 |
| A fractional order recovery SIR model from a stochastic process<br>CN Angstmann, BI Henry, AV McGann<br>Bulletin of mathematical biology 78 (3), 468-499   | 13       | 2016 |
| Generalized Continuous Time Random Walks, Master Equations, and Fractional FokkerPlanck Equations CN Angstmann, IC Donnelly, BI Henry, TAM Langlands, P Straka SIAM Journal on Applied Mathematics 75 (4), 1445-1468 | 13       | 2015 |
| Random walks on finite lattice tubes BI Henry, MT Batchelor Physical Review E 68 (1), 016112   | 13       | 2003 |
| Dynamics of a nonlinear diatomic chain<br>BI Henry, J Oitmaa<br>Australian journal of physics 36 (3), 339-356  | 13       | 1983 |
| A fractional-order infectivity SIR model<br>CN Angstmann, BI Henry, AV McGann<br>Physica A: Statistical Mechanics and its Applications 452, 86-93  | 12       | 2016 |
| A discrete time random walk model for anomalous diffusion<br>CN Angstmann, IC Donnelly, BI Henry, JA Nichols<br>Journal of Computational Physics 293, 53-69  | 12       | 2015 |

| TITLE   | CITED BY    | YEAR |
|---|-------------|------|
| Continuous-time random walks on networks with vertex-and time-<br>dependent forcing<br>CN Angstmann, IC Donnelly, BI Henry, TAM Langlands<br>Physical Review E 88 (2), 022811   | 12          | 2013 |
| Dynamics of chromatic visual system processing differ in complexity between children and adults MY Boon, CM Suttle, BI Henry, SJ Dain Journal of vision 9 (6), 22-22  | 12          | 2009 |
| Growth and form in the zero-noise limit of discrete Laplacian growth processes with inherent surface tension: I. The square lattice MT Batchelor, BI Henry Physica A: Statistical Mechanics and its Applications 187 (3-4), 551-574                   | 12          | 1992 |
| From stochastic processes to numerical methods: A new scheme for solving reaction subdiffusion fractional partial differential equations CN Angstmann, IC Donnelly, BI Henry, BA Jacobs, TAM Langlands, Journal of Computational Physics 307, 508-534 | 11          | 2016 |
| Recurrence times in cubic and quartic Fermi-Pasta-Ulam chains: A shifted frequency perturbation treatment DS Sholl, BI Henry Physical Review A 44 (10), 6364  | d- 11       | 1991 |
| Numerical ensemble study of ergodic properties of the quartic Fermi-Pasta-Ulam chain BI Henry, J Grindlay Physical Review A 38 (5), 2594  | 11          | 1988 |
| Estimating chromatic contrast thresholds from the transient visual evoked potential MY Boon, CM Suttle, B Henry Vision research 45 (18), 2367-2383  | 10          | 2005 |
| Fractal analysis of aggregates of non-uniformly sized particles: an application to macaque monkey cortical pyramidal neurons BI Henry, PR Hof, P Rothnie, SL Wearne Emergent nature: patterns, growth and scaling in the sciences, 65-75              | 10          | 2001 |
| Spectral line limiting and polarization shift in plasmas of high particle and energy density BI Henry Laser and Particle Beams 1 (1), 11-28   | 10          | 1983 |
| Nonconservative dynamics of optically trapped high-aspect-ratio nanowire WJ Toe, I Ortega-Piwonka, CN Angstmann, Q Gao, HH Tan, C Jagadish, Physical Review E 93 (2), 022137  | <b>es</b> 9 | 2016 |
| Exact solution for random walks on the triangular lattice with absorbing boundaries MT Batchelor, BI Henry Journal of Physics A: Mathematical and General 35 (29), 5951   | 9           | 2002 |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| Continuous-time random walks that alter environmental transport properties C Angstmann, BI Henry Physical Review E 84 (6), 061146  | 8        | 2011 |
| Resonance energy transfers in the induction phenomenon in quartic Ferm Pasta-Ulam chains G Christie, BI Henry Physical Review E 58 (3), 3045   | ii- 8    | 1998 |
| Comparative study of large-scale Laplacian growth patterns<br>MT Batchelor, BI Henry, AP Roberts<br>Physical Review E 51 (1), 807  | 8        | 1995 |
| Perturbative calculation of superperiod recurrence times in nonlinear chains DS Sholl, BI Henry Physics Letters A 159 (1-2), 21-27   | 8        | 1991 |
| Nonlinear excitations in a diatomic chain<br>BI Henry, J Oitmaa, M Revzen<br>Solid State Communications 44 (4), 511-514  | 8        | 1982 |
| From dynamics to statistical mechanics in the Hénon-Heiles model:<br>Dynamics<br>BI Henry, J Grindlay<br>Physical Review E 49 (4), 2549  | 7        | 1994 |
| Growth and form in the zero-noise limit of discrete Laplacian growth processes with inherent surface tension: II. The triangular lattice MT Batchelor, CR Dun, BI Henry Physica A: Statistical Mechanics and its Applications 193 (3-4), 553-574 | 7        | 1993 |
| Numerical ensemble study of the approach to equilibrium of an anharmon chain BI Henry, J Grindlay Physics Letters A 119 (5), 215-220   | ic 7     | 1986 |
| Polarization shift of spectral lines in high density plasmas<br>BI Henry, H Hora<br>Optics Communications 44 (3), 185-187  | 7        | 1983 |
| Predicting first traversal times for virions and nanoparticles in mucus with slowed diffusion AM Erickson, BI Henry, JM Murray, PJ Klasse, CN Angstmann Biophysical journal 109 (1), 164-172   | 6        | 2015 |
| Differentiating the non-differentiable fractional calculus<br>L Borredon, B Henry, S Wearne<br>Parabola 35 (2), 9-19   | 6        | 1999 |
| Surface width scaling in noise reduced Eden clusters<br>MT Batchelor, BI Henry, SD Watt<br>Physical Review E 58 (3), 4023  | 6        | 1998 |
| Dynamics of a nonlinear diatomic chain. II. Thermodynamic properties BI Henry, J Oitmaa Australian journal of physics 38 (2), 171-190  | 6        | 1985 |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| Dynamics of a nonlinear diatomic chain. III. A molecular dynamics study BI Henry, J Oitmaa Australian journal of physics 38 (2), 191-208   | 6        | 1985 |
| Gene Stanley, the n-vector model and random walks with absorbing boundaries MT Batchelor, BI Henry Physica A: Statistical Mechanics and its Applications 314 (1-4), 77-82  | 5        | 2002 |
| Mean-field analysis of Williams–Bjerknes-type growth<br>MT Batchelor, BI Henry, SD Watt<br>Physica A: Statistical Mechanics and its Applications 256 (3-4), 295-311  | 5        | 1998 |
| Fractal dimensions of zero-noise diffusion-limited aggregation MT Batchelor, BI Henry Physica A: Statistical Mechanics and its Applications 191 (1-4), 113-116   | 5        | 1992 |
| Dynamics and statistical mechanics of a diatomic φ4 chain BI Henry, J Oitmaa Solid state communications 55 (7), 587-592  | 5        | 1985 |
| A lattice refinement scheme for finding periodic orbits<br>BI Henry, SD Watt, SL Wearne<br>ANZIAM Journal 42, 735-751  | 4        | 2000 |
| From dynamics to statistical mechanics in the Hénon Heiles model:<br>Statistical mechanics<br>BI Henry, J Grindlay<br>Canadian journal of physics 75 (8), 517-537  | 4        | 1997 |
| Nonlinear chaotic dynamics of mean arterial pressure after carotid baroreceptor isolation N Lovell, B Henry, A Avolio, B Celler, D Carlson, M Brunner Engineering in Medicine and Biology Society, 1997. Proceedings of the 19th | 4        | 1997 |
| Diffusion-limited aggregation with Eden growth surface kinetics MT Batchelor, BI Henry Physica A: Statistical Mechanics and its Applications 203 (3-4), 566-582  | 4        | 1994 |
| Nonlinear Dynamic and Chaos: Proceedings of the Fourth Physics<br>Summer School: the Australian National University,[Department of<br>Theoretical Physics]: Canberra<br>RL Dewar, BI Henry<br>world Scientific                   | 4        | 1992 |
| Chaos in a chain of six particles with fixed ends (a 4+ 2 chain)<br>S Ross, J Grindlay, BI Henry<br>Physical Review A 44 (8), 4876   | 4        | 1991 |
| Fractional Euler limits and their applications<br>S MacNamara, B Henry, W McLean<br>SIAM Journal on Applied Mathematics 77 (2), 447-469  | 3        | 2017 |
| Identifying the pairing symmetry in sodium cobalt oxide by Andreev edge states: Theoretical analysis WM Huang, HH Lin Physical Review B 78 (22), 224522  | 3        | 2008 |

| TITLE   | CITED BY | YEAR |
|---|----------|------|
| Multifractal Measures in Fractional Iterative Maps<br>K Kim, GH Kim, JR Lee, JS Choi, YS Kong, BI Henry, MK Yum, T Odagaki<br>Fractals 10 (02), 229-233   | 3        | 2002 |
| Surfing brachistochrones B Henry, S Watt Parabola Magazine, University of New South Wales 34 (3), 13-21   | 3        | 1998 |
| Generalized fractional diffusion equations for subdiffusion in arbitrarily growing domains CN Angstmann, BI Henry, AV McGann Physical Review E 96 (4), 042153   | 2        | 2017 |
| Fractional order compartment models CN Angstmann, AM Erickson, BI Henry, AV McGann, JM Murray, SIAM Journal on Applied Mathematics 77 (2), 430-446  | 2        | 2017 |
| A mathematical model for the proliferation, accumulation and spread of pathogenic proteins along neuronal pathways with locally anomalous trapping CN Angstmann, IC Donnelly, BI Henry, TAM Langlands | 2        | 2016 |
| Mathematical Modelling of Natural Phenomena 11 (3), 142-156   |          |      |
| Deterministic diffusion generated by a chaotic map with intrinsic bias BI Henry, MK Yum, YS Kong, JS Choi, K Kim Chaos, Solitons & Fractals 14 (5), 681-687   | 2        | 2002 |
| Complex systems' 98<br>R Standish, B Henry, S Watt, R Stocker, D Green, S Keen, T Bossomaier<br>Sydney (AU): University of New South Wales  | 2        | 1998 |
| Statistical surface distributions for constant-energy ensembles<br>BI Henry, J Grindlay<br>Canadian journal of physics 75 (8), 539-547  | 2        | 1997 |
| Who cares what's new?<br>MT Batchelor, BI Henry, SD Watt<br>Nature 387 (6631), 337  | 2        | 1997 |
| Growth and form of zero-noise diffusion-limited-aggregation on the cubic lattice MT Batchelor, BI Henry Physica A: Statistical Mechanics and its Applications 233 (3-4), 905-918                      | 2        | 1996 |
| Pattern formation in an etched radial Hele Shaw cell<br>MT Batchelor, BI Henry<br>Fractals 4 (02), 149-159  | 2        | 1996 |
| Tip lengths and whiskering in noise-reduced diffusion-limited aggregation MT Batchelor, BI Henry Journal of Physics A: Mathematical and General 26 (14), 3431   | 2        | 1993 |
| Numerical ensemble study of ergodic properties of the quartic Fermi-<br>Pasta-Ulam chain. II. Distribution and correlation functions<br>BI Henry, J Grindlay<br>Physical Review A 40 (1), 392         | 2        | 1989 |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| Classical free-energy densities for harmonic chains: A pedagogic application of the transfer integral technique BI Henry, J Oitmaa American Journal of Physics 52, 1016-1020   | 2        | 1984 |
| A biofilm and organomineralisation model for the growth and limiting size ooids MT Batchelor, RV Burne, BI Henry, F Li, J Paul Scientific reports 8 (1), 559   | of 1     | 2018 |
| A time-fractional generalised advection equation from a stochastic proces<br>CN Angstmann, BI Henry, BA Jacobs, AV McGann<br>Chaos, Solitons & Fractals 102, 175-183   | S 1      | 2017 |
| Generalized master equations and fractional Fokker–Planck equations from continuous time random walks with arbitrary initial conditions CN Angstmann, BI Henry, I Ortega-Piwonka Computers & Mathematics with Applications 73 (6), 1315-1324 | 1        | 2017 |
| Patterning of the MinD cell division protein in cells of arbitrary shape can<br>be predicted using a heuristic dispersion relation<br>JC Walsh, CN Angstmann, AV McGann, BI Henry, IG Duggin, PMG Curmi<br>AIMS Biophysics                   | 1        | 2016 |
| The fractal dimension as a potential indicator of recovery from amblyopia MY Boon, CM Suttle, BI Henry, BS Chu Clinical and Experimental Optometry 94 (1), e1-e2   | 1        | 2011 |
| Chaotic features in iterative maps<br>K Kim, YS Kong, T Odagaki, BI Henry<br>Journal of the Korean Physical Society 40 (6), 1023-1026  | 1        | 2002 |
| Self-organized criticality models of neural development<br>DL Rail, BI Henry, SD Watt<br>NEW SOUTH WALES UNIV SYDNEY (AUSTRALIA) SCHOOL OF MATHEMATICS   | 1        | 2000 |
| Preface M Batchelor, B Henry Physica A: Statistical Mechanics and its Applications 233 (3-4), v-vii  | 1        | 1996 |
| New equipartition results for normal mode energies of anharmonic chains BI Henry, T Szeredi Journal of statistical physics 78 (3-4), 1039-1053   | 1        | 1995 |
| AT 6S AND 7S WITH THE ULTIMATE QUESTION M Batchelor, B Henry New Scientist 138 (1867), 48-49   | 1        | 1993 |
| Exact solutions for restricted walks with applications to polymers MT Batchelor, BI Henry Physics Letters A 153 (1), 35-39   | 1        | 1991 |
| Chaotic behavior of blood pressure and heart rate in the conscious dog N Lovell, B Henry, B Celler, M Brunner Engineering in Medicine and Biology Society, 1996. Bridging Disciplines for  | 1        |      |

| TITLE   | CITED BY | YEAR |
|---|----------|------|
| Noise induced aperiodic rotations of particles trapped by a non-<br>conservative force<br>I Ortega-Piwonka, CN Angstmann, BI Henry, PJ Reece<br>Chaos: An Interdisciplinary Journal of Nonlinear Science 28 (4), 043101 |          | 2018 |
| Anomalous Diffusion on a Growing Domain A McGann, B Henry, C Angstmann Bulletin of the American Physical Society  |          | 2018 |
| A Fractional-Order Infectivity and Recovery SIR Model<br>CN Angstmann, BI Henry, AV McGann<br>Fractal and Fractional 1 (1), 11  |          | 2017 |
| Subdiffusive discrete time random walks via Monte Carlo and subordination JA Nichols, BI Henry, CN Angstmann arXiv preprint arXiv:1711.06197  |          | 2017 |
| Integrablization of time fractional PDEs<br>CN Angstmann, BI Henry, BA Jacobs, AV McGann<br>Computers & Mathematics with Applications 73 (6), 1053-1062   |          | 2017 |
| Discretization of fractional differential equations by a piecewise constant approximation CN Angstmann, BI Henry, BA Jacobs, AV McGann Mathematical Modelling of Natural Phenomena 12 (6), 23-36                        |          | 2017 |
| Numeric Solution of Advection-Diffusion Equations by a Discrete Time<br>Random Walk Scheme<br>C Angstmann, BI Henry, BA Jacobs, AV McGann<br>arXiv preprint arXiv:1610.05417  |          | 2016 |
| Fractal Dimension Analysis of Transient Visual Evoked Potentials: Optimisation and Applications MY Boon, BI Henry, BS Chu, N Basahi, CM Suttle, C Luu, H Leung, PloS one 11 (9), e0161565                               |          | 2016 |
| Recent Issues T Haettel Algebraic & Geometric Topology 16 (5), 2895-2910  |          | 2016 |
| Anomalous dynamic behaviour of optically trapped high aspect ratio nanowires WJ Toe, IO Piwonka, A Andres-Arroyo, Q Gao, HH Tan, C Jagadish, Optical Trapping and Optical Micromanipulation XI 9164, 91641L             |          | 2014 |
| An applied mathematician's apology B Henry Journal and Proceedings of the Royal Society of New South Wales 147 (453/454   |          | 2014 |
| 13th Scientific Meeting in Optometry and 7th Optometric Educators Meeting KL Bandamwar, Q Garrett, E Papas, MY Boon, CM Suttle, BI Henry, Clin Exp Optom 94 (1), 117-118  |          | 2010 |

| TITLE  | CITED BY | YEAR |
|--|----------|------|
| 13th Scientific Meeting in Optometry and 7th Optometric Educators Meeting MY Boon, CM Suttle, BI Henry, BS Chu Clin Exp Optom 94 (1), e1-e16   |          | 2010 |
| Picking Winners B Henry Parabola 45 (3), 14  |          | 2009 |
| Preface xv<br>P Ball, A Bunde, S Havlin, AP Flitney, J Ng, D Abbott, Y Yamamoto,   |          | 2004 |
| Chaotic features in fractional iterative maps K Kim, YS Kong, BI Henry, T Odagaki Physica A: Statistical Mechanics and its Applications 315 (1-2), 40-44                                       |          | 2002 |
| Diffusive Behavior Generated by the Kim-Kong Map with Intrinsic Bias K Kim, BI Henry, MK Yum APS Meeting Abstracts   |          | 2002 |
| Charateristic Features of an Iterative Map with Two Control Parmeters BI Henry, MK Yum, YS Kong, BO Shim, K Kim APS Meeting Abstracts  |          | 2001 |
| Multifractal Measures in the Kim-Kong Map<br>K Kim, JS Choi, YS Kong, BI Henry, MK Yum<br>APS Meeting Abstracts  |          | 2001 |
| Multifractal Measures in Iterative Maps<br>K Kim, BO Shim, YS Kong, BI Henry, MK Yum<br>arXiv preprint cond-mat/0101400  |          | 2001 |
| 11 BEHAVIOR IN BLOOD PRESSURE N Lovell, B Henry, B Celler, F Camacho, D Carlson, M Connolly Nonlinear Biomedical Signal Processing, Dynamic Analysis and Modeling 6, 282                       |          | 2000 |
| Nonlinear Deterministic Behavior in Blood Pressure Control N Lovell, B Henry, B Celler, F Camacho, D Carlson, M Connolly Nonlinear Biomedical Signal Processing: Dynamic Analysis and Modeling |          | 2000 |
| Form and scaling of radial growth<br>MT Batchelor, BI Henry, SD Watt<br>AIP Conference Proceedings 519 (1), 521-530  |          | 2000 |
| Neurology Department, Campbelltown Hospital, Campbelltown NSW 2560<br>Australia<br>BI HENRY, SD WATT<br>Paradigms Of Complexity: Fractals And Structures In The Sciences, 77                   | ),       | 2000 |
| Stochastic Pattern Formation with Competing Phases MT Batchelor, BI Henry, SD Watt LECTURE NOTES IN PHYSICS-NEW YORK THEN BERLIN-, 293-293   |          | 1999 |
| An Explanation of Generic Behavior in an Evolving Financial Market IIR Standish, B Henry, S Watt, R Marks, R Stocker, D Green, S Keen,   |          | 1998 |

| TITLE   | CITED BY | YEAR |
|---|----------|------|
| Pattern formation, fractals and statistical mechanics-Proceedings of the International Conference on Pattern Formation, Fractals and Statistical Mechanics held a The M Batchelor, B Henry PHYSICA A 233 (3-4), R5-R7 |          | 1996 |
| Equilibrium surface distributions for constant energy ensembles<br>BI Henry, J Grindlay<br>University of New South Wales  |          | 1994 |
| Henon-Heiles model. The numerical trajectories comprising the ensemble copies fall into three classes:(i) quasi-periodic,(ii) chaotic and (iii) intermittent-quasi-period  BI Henry                                   |          | 1993 |
| Chaos In Australia-Proceedings Of The International Conference, 24  |          |      |
| Nonlinear Dynamics And Chaos: Proceedings Of The Fourth Physics<br>Summer School<br>BI Henry<br>World Scientific  |          | 1992 |
| Integrability of low particle-number models for solids BI Henry Australian journal of physics 44 (1), 1-14  |          | 1991 |
| of the transfer integral technique<br>BI Henry, J Oitmaa<br>Am. J. Phys 52 (11), 1-1  |          | 1984 |
| Nonlinear Vibrational Excitations in a Diatomic Lattice. Bl Henry   |          | 1984 |
| Dynamics of a Nonlinear<br>D Chain, BI Henry, J Oitmaa<br>Aust, J. Phys 36, 339-56  |          | 1983 |
| Index of authors and papers to Volume 282<br>V Afanasyev, GM Viswanathan, MP Almeida, EM de Sousa Luz, R Amuda,   |          |      |
| . Growth phenomena, reactions, nucleation and fracture BB Mandelbrot, W von Bloh, A Block, HJ Schellnhuber, MT Batchelor,   |          |      |
| Cumulative author index of Volumes 190 to 192<br>LK Aberle, M Acharyya, Z Alexandrowicz, W Alexiewicz, A Alippi,  |          |      |
| Alder, BJ<br>A Ameri, MC Barbosa, VV Belyi, B Blasius, MY Choi, C Dasgupta,   |          |      |
| Cumulative author index of Volumes 190-192<br>LK Abe&, Z Alexandrowicz, A Alippi, GM Alves, I Antoniou, D Avnir,  |          |      |
| Isoda, T. 699<br>VV Afanasjev, N Akhmediev, R Amal, P Attard, L Balazs, D Barkey,   |          |      |

Stochastic Models for Fractional Subdiffusion with Reactions and Forcing BI Henry

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# Continuous Time Random Walks With Trapping, Forcing and Reactions M Girvan, BI Henry

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#### Subdiffusion and Trapping laws

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MT Batchelor, RV Burne, BI Henry, T Slatyer

### Methods and approaches to slow dynamics

BJ Alder, D Dhar, I Sawada, S Sen, K Kim, YS Kong, BI Henry, T Odagaki, ...