# Neal Madras

List of Publications by Year
in descending order



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|---|---|---|---|
| 35 papers | 2,026 citations | 623734 14 h-index | 414414 32 g-index |
| 35 all docs | 35 docs citations | 35 times ranked | 1290 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Theory and experiment of chain length effects on the adsorption of polyelectrolytes onto spherical particles: the long and the short of it. Physical Chemistry Chemical Physics, 2021, 23, 300-310. | 2.8 | 7 |
| 2 | Age-Structured Epidemic with Adaptive Vaccination Strategy: Scalar-Renewal Equation Approach. Springer Proceedings in Mathematics and Statistics, 2021, , 591-599. | 0.2 | 1 |
| 3 | Bounded affine permutations I. Pattern avoidance and enumeration. Discrete Mathematics and Theoretical Computer Science, 2021, vol. 22 no. 2, Permutation..., . | 0.1 | 1 |
| 4 | Bounded Affine Permutations II. Avoidance of Decreasing Patterns. Annals of Combinatorics, 2021, 25, 1007-1048. | 0.6 | 0 |
| 5 | Epidemic Dynamics and Adaptive Vaccination Strategy: Renewal Equation Approach. Bulletin of Mathematical Biology, 2020, 82, 122. | 1.9 | 4 |
| 6 | Temperature-driven population abundance model for Culex pipiens and Culex restuans (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 | 1.7 | 8 |
| 7 | Directed polymers on a disordered tree with a defect subtree. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 154001. | 2.1 | 0 |
| 8 | Location of the adsorption transition for lattice polymers. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 064003. | 2.1 | 9 |
| 9 | Structure of random 312â€avoiding permutations. Random Structures and Algorithms, 2016, 49, 599-631. | 1.1 | 14 |
| 10 | Trend in frequency of extreme precipitation events over Ontario from ensembles of multiple GCMs. Climate Dynamics, 2016, 46, 2909-2921. | 3.8 | 21 |
| 11 | Large Deviations for Permutations Avoiding Monotone Patterns. Electronic Journal of Combinatorics, 2016, 23, . | 0.4 | 5 |
| 12 | A Lower Bound for the End-to-End Distance of the Self-Avoiding Walk. Canadian Mathematical Bulletin, 2014, 57, 113-118. | 0.5 | 9 |
| 13 | Large Deviations and Ratio Limit Theorems for Pattern-Avoiding Permutations. Combinatorics Probability and Computing, 2014, 23, 161-200. | 1.3 | 12 |
| 14 | The Self-Avoiding Walk. , 2013, , . | | 47 |
| 15 | On the Number of Entangled Clusters. Journal of Statistical Physics, 2010, 139, 1-26. | 1.2 | 5 |
| 16 | When Is Quarantine a Useful Control Strategy for Emerging Infectious Diseases?. American Journal of Epidemiology, 2006, 163, 479-485. | 3.4 | 127 |
| 17 | Self-Avoiding Walks on Hyperbolic Graphs. Combinatorics Probability and Computing, 2005, 14, 523-548. | 1.3 | 25 |
| 18 | Semi-nonparametric estimation with Bernstein polynomials. Economics Letters, 2005, 89, 153-156. | 1.9 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | On the swapping algorithm. Random Structures and Algorithms, 2003, 22, 66-97. | 1.1 | 24 |
| 20 | Modeling Stem Cell Development by Retrospective Analysis of Gene Expression Profiles in Single Progenitor-Derived Colonies. Stem Cells, 2002, 20, 230-240. | 3.2 | 39 |
| 21 | Anisotropic self-avoiding walks. Journal of Mathematical Physics, 2000, 41, 1321-1337. | 1.1 | 3 |
| 22 | A pattern theorem for lattice clusters. Annals of Combinatorics, 1999, 3, 357-384. | 0.6 | 47 |
| 23 | Random-walk interpretations of classical iteration methods. Linear Algebra and Its Applications, 1995, 216, 61-79. | 0.9 | 4 |
| 24 | Critical exponents, hyperscaling, and universal amplitude ratios for two- and three-dimensional self-avoiding walks. Journal of Statistical Physics, 1995, 80, 661-754. | 1.2 | 267 |
| 25 | A rigorous bound on the critical exponent for the number of lattice trees, animals, and polygons. Journal of Statistical Physics, 1995, 78, 681-699. | 1.2 | 30 |
| 26 | The noisy voter model. Stochastic Processes and Their Applications, 1995, 55, 23-43. | 0.9 | 87 |
| 27 | Oscillating random walk with a moving boundary. Israel Journal of Mathematics, 1994, 88, 333-365. | 0.8 | 3 |
| 28 | Growth pressure can drive early chick lens geometries. Developmental Dynamics, 1993, 196, 153-164. | 1.8 | 9 |
| 29 | Branching random walks on trees. Stochastic Processes and Their Applications, 1992, 42, 255-267. | 0.9 | 40 |
| 30 | Monte-Carlo approximation algorithms for enumeration problems. Journal of Algorithms, 1989, 10, 429-448. | 0.9 | 242 |
| 31 | Random walks with killing. Probability Theory and Related Fields, 1989, 80, 581-600. | 1.8 | 2 |
| 32 | End patterns of self-avoiding walks. Journal of Statistical Physics, 1988, 53, 689-701. | 1.2 | 7 |
| 33 | The pivot algorithm: A highly efficient Monte Carlo method for the self-avoiding walk. Journal of Statistical Physics, 1988, 50, 109-186. | 1.2 | 809 |
| 34 | Nonergodicity of local, length-conserving Monte Carlo algorithms for the self-avoiding walk. Journal of Statistical Physics, 1987, 47, 573-595. | 1.2 | 94 |
| 35 | A Process in a Randomly Fluctuating Environment. Annals of Probability, 1986, 14, 119. | 1.8 | 8 |