

## Publications of Ira M. Gessel

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2. *Divisibility properties of the  $q$ -tangent numbers* (with G. E. Andrews), Proc. Amer. Math. Soc. **68** (1978), 380–384.
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6. *Tournaments and Vandermonde's determinant*, J. Graph Theory **3** (1979), 305–308.
7. *A factorization for formal power series and lattice path enumeration*, J. Combin. Theory Ser. A **28** (1980), 321–337.
8. *A noncommutative generalization and  $q$ -analog of the Lagrange inversion formula*, Trans. Amer. Math. Soc. **257** (1980), 455–482.
9. *Congruences for Bell and tangent numbers*, Fibonacci Quart. **19** (1981), 137–144.
10. *Two theorems on rational power series*, Utilitas Math. **19** (1981), 247–253.
11. *A  $q$ -analog of the exponential formula*, Discrete Math. **40** (1982), 69–80.
12. *Strange evaluations of hypergeometric series* (with D. Stanton), SIAM J. Math. Anal. **13** (1982), 295–308.
13. *Some congruences for Apéry numbers*, J. Number Theory **14** (1982), 362–368.
14. *Applications of  $q$ -Lagrange inversion to basic hypergeometric series* (with D. Stanton), Trans. Amer. Math. Soc. **277** (1983), 173–201.
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21. *Another family of  $q$ -Lagrange inversion formulas* (with D. Stanton), Rocky Mountain J. Math., **16** (1986), 373–384.

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25. *A combinatorial proof of the multivariable Lagrange inversion formula*, J. Combin. Theory Ser. A **45** (1987), 178–195.
26. *Classic Papers in Combinatorics* (edited, with Gian-Carlo Rota), Birkhäuser, Boston, 1987. 489 pp.
27. *Enumerative applications of symmetric functions*, Actes 17<sup>e</sup> Séminaire Lotharingien, Publ. I.R.M.A. Strasbourg 348/S-17 (1988), 5–21.
28. *Generalized rook polynomials and orthogonal polynomials*, in “ $q$ -Series and Partitions,” ed. D. Stanton, The IMA Volumes in Mathematics and Its Applications, Vol. 18, Springer-Verlag, New York, 1989, pp. 159–176.
29. *Symmetric functions and  $P$ -recursiveness*, J. Combin. Theory Ser. A **53** (1990), 257–285.
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32. *Super ballot numbers*, J. Symbolic Computation **14** (1992), 179–194.
33. *Counting paths in Young’s lattice*, J. Statistical Planning and Inference **34** (1993), 125–134.
34. *Counting permutations with given cycle structure and descent set* (with C. Reutenauer), J. Combin. Theory Ser. A **64** (1993), 189–215.
35. *Talmudic lattice path counting* (with J. Friedman and D. Zeilberger), J. Combin. Theory Ser. A **68** (1994), 215–217.
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38. *Lagrange inversion for species* (with Gilbert Labelle), J. Combinatorial Theory Ser. A **72** (1995), 95–117.
39. *Algebraic enumeration* (with R. P. Stanley), in “Handbook of Combinatorics,” ed. R. L. Graham, M. Grötschel, and L. Lovász, Elsevier and MIT Press, 1995, pp. 1021–1062.
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64. *Hypergraphs, hypertrees, and expansions of some formal power series* (with Louis Kalikow), J. Combin. Theory Ser. A **110** (2005), 275–289.
65. *A triple lacunary generating function for Hermite polynomials* (with Pallavi Jayawant), Electronic Journal of Combinatorics **12** (2005), Research Paper 30, 14 pp.
66. *A combinatorial interpretation of the numbers  $6(2n)!/n!(n+2)!$*  (with Guoce Xin), J. Integer Seq. **8** (2005), no. 2, Article 05.2.3, 13 pp.
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