# Plamen Iliev

List of Publications by Year
in descending order

| 34 papers | 558 citations | 623734 14 h-index | 642732 23 g-index |
|---|---|---|---|
| 34 all docs | 34 docs citations | 34 times ranked | 112 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Hahn polynomials for hypergeometric distribution. Advances in Applied Mathematics, 2022, 139, 102364. | 0.7 | 2 |
| 2 | Darboux transformations from the Appell-Lauricella operator. Journal of Mathematical Analysis and Applications, 2020, 482, 123546. | 1.0 | 1 |
| 3 | Hahn polynomials on polyhedra and quantum integrability. Advances in Mathematics, 2020, 364, 107032. | 1.1 | 7 |
| 4 | Bargmann and Barut-Girardello models for the Racah algebra. Journal of Mathematical Physics, 2019, 60, 011701. | 1.1 | 4 |
| 5 | Coupling coefficients of su(1,1) and multivariate q-Racah polynomials. Nuclear Physics B, 2018, 927, 97-123. | 2.5 | 3 |
| 6 | Symmetry algebra for the generic superintegrable system on the sphere. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 11 |
| 7 | Connection coefficients for classical orthogonal polynomials of several variables. Advances in Mathematics, 2017, 310, 290-326. | 1.1 | 9 |
| 8 | The generic quantum superintegrable system on the sphere and Racah operators. Letters in Mathematical Physics, 2017, 107, 2029-2045. | 1.1 | 16 |
| 9 | Bispectral extensions of the Askey–Wilson polynomials. Journal of Functional Analysis, 2014, 266, 2294-2318. | 1.4 | 7 |
| 10 | Krall–Laguerre commutative algebras of ordinary differential operators. Annali Di Matematica Pura Ed Applicata, 2013, 192, 203-224. | 1.0 | 26 |
| 11 | The Rahman polynomials and the Lie algebra $\mathfrak{sl}_{3}(\mathbb{C})$. Transactions of the American Mathematical Society, 2012, 364, 4225-4238. | 0.9 | 17 |
| 12 | A Lie-theoretic interpretation of multivariate hypergeometric polynomials. Compositio Mathematica, 2012, 148, 991-1002. | 0.8 | 24 |
| 13 | Meixner polynomials in several variables satisfying bispectral difference equations. Advances in Applied Mathematics, 2012, 49, 15-23. | 0.7 | 7 |
| 14 | Krall–Jacobi commutative algebras of partial differential operators. Journal Des Mathematiques Pures Et Appliquees, 2011, 96, 446-461. | 1.6 | 30 |
| 15 | Multivariable Askey–Wilson function and bispectrality. Ramanujan Journal, 2011, 24, 273-287. | 0.7 | 11 |
| 16 | Bispectral commuting difference operators for multivariable Askey-Wilson polynomials. Transactions of the American Mathematical Society, 2011, 363, 1577-1598. | 0.9 | 27 |
| 17 | The trigonometric Grassmannian and a difference W-algebra. Transformation Groups, 2010, 15, 92-114. | 0.7 | 1 |
| 18 | Bispectrality of Multivariable Racah–Wilson Polynomials. Constructive Approximation, 2010, 31, 417-457. | 3.0 | 46 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | TRIGONOMETRIC DARBOUX TRANSFORMATIONS AND CALOGEROâ€"MOSER MATRICES. Glasgow Mathematical Journal, 2009, 51, 95-106. | 0.3 | 2 |
| 20 | On a Two-Variable Class of Bernsteinâ€"SzegÅ' Measures. Constructive Approximation, 2009, 30, 71-91. | 3.0 | 6 |
| 21 | Heat kernel expansions on the integers and the Toda lattice hierarchy. Selecta Mathematica, New Series, 2008, 13, 497-530. | 1.0 | 6 |
| 22 | Discrete orthogonal polynomials and difference equations of several variables. Advances in Mathematics, 2007, 212, 1-36. | 1.1 | 33 |
| 23 | Rational Ruijsenaarsâ€"Schneider hierarchy and bispectral difference operators. Physica D: Nonlinear Phenomena, 2007, 229, 184-190. | 2.8 | 8 |
| 24 | Two variable orthogonal polynomials and structured matrices. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 118-147. | 1.4 | 11 |
| 25 | Askey-Wilson type functions with bound states. Ramanujan Journal, 2006, 11, 285-329. | 0.7 | 21 |
| 26 | A noncommutative version of the bispectral problem. Journal of Computational and Applied Mathematics, 2003, 161, 99-118. | 2.0 | 16 |
| 27 | Heat Kernel Expansions on the Integers. Mathematical Physics Analysis and Geometry, 2002, 5, 183-200. | 1.0 | 17 |
| 28 | A rational analogue of the Krall polynomials. Journal of Physics A, 2001, 34, 2445-2457. | 1.6 | 11 |
| 29 | q-KP hierarchy, bispectrality and Calogeroâ€"Moser systems. Journal of Geometry and Physics, 2000, 35, 157-182. | 1.4 | 26 |
| 30 | Commutative rings of difference operators and an adelic flag manifold. International Mathematics Research Notices, 2000, 2000, 281. | 1.0 | 59 |
| 31 | AlgÃ¨bres commutatives d'opÃ©rateurs aux q-diffÃ©rences et systÃ¨mes de Calogeroâ€"Moser. Comptes Rendus Mathematique, 1999, 329, 877-882. | 0.5 | 4 |
| 32 | Tau Function Solutions to a q-Deformation of the KP Hierarchy. Letters in Mathematical Physics, 1998, 44, 187-200. | 1.1 | 43 |
| 33 | Solutions to Frenkel's deformation of the KP hierarchy. Journal of Physics A, 1998, 31, L241-L244. | 1.6 | 11 |
| 34 | The bispectral property of aq-deformation of the Schur polynomials and theq-KdV hierarchy. Journal of Physics A, 1997, 30, 7217-7227. | 1.6 | 35 |