

# Plamen Iliev

## List of Publications by Year in descending order

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times ranked

112  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commutative rings of difference operators and an adelic flag manifold. International Mathematics Research Notices, 2000, 2000, 281.	1.0	59
2	Bispectrality of Multivariable Racah-Wilson Polynomials. Constructive Approximation, 2010, 31, 417-457.	3.0	46
3	Tau Function Solutions to a q-Deformation of the KP Hierarchy. Letters in Mathematical Physics, 1998, 44, 187-200.	1.1	43
4	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
5	Discrete orthogonal polynomials and difference equations of several variables. Advances in Mathematics, 2007, 212, 1-36.	1.1	33
6	Krall-Jacobi commutative algebras of partial differential operators. Journal Des Mathematiques Pures Et Appliquees, 2011, 96, 446-461.	1.6	30
7	Bispectral commuting difference operators for multivariable Askey-Wilson polynomials. Transactions of the American Mathematical Society, 2011, 363, 1577-1598.	0.9	27
8	q-KP hierarchy, bispectrality and Calogero-Moser systems. Journal of Geometry and Physics, 2000, 35, 157-182.	1.4	26
9	Krall-Laguerre commutative algebras of ordinary differential operators. Annali Di Matematica Pura Ed Applicata, 2013, 192, 203-224.	1.0	26
10	A Lie-theoretic interpretation of multivariate hypergeometric polynomials. Compositio Mathematica, 2012, 148, 991-1002.	0.8	24
11	Askey-Wilson type functions with bound states. Ramanujan Journal, 2006, 11, 285-329.	0.7	21
12	Heat Kernel Expansions on the Integers. Mathematical Physics Analysis and Geometry, 2002, 5, 183-200.	1.0	17
13	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
14	A noncommutative version of the bispectral problem. Journal of Computational and Applied Mathematics, 2003, 161, 99-118.	2.0	16
15	The generic quantum superintegrable system on the sphere and Racah operators. Letters in Mathematical Physics, 2017, 107, 2029-2045.	1.1	16
16	Solutions to Frenkel's deformation of the KP hierarchy. Journal of Physics A, 1998, 31, L241-L244.	1.6	11
17	A rational analogue of the Krall polynomials. Journal of Physics A, 2001, 34, 2445-2457.	1.6	11
18	Two variable orthogonal polynomials and structured matrices. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 118-147.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Multivariable Askey's Wilson function and bispectrality. <i>Ramanujan Journal</i> , 2011, 24, 273-287.	0.7	11
20	Symmetry algebra for the generic superintegrable system on the sphere. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	11
21	Connection coefficients for classical orthogonal polynomials of several variables. <i>Advances in Mathematics</i> , 2017, 310, 290-326.	1.1	9
22	Rational Ruijsenaars's Schneider hierarchy and bispectral difference operators. <i>Physica D: Nonlinear Phenomena</i> , 2007, 229, 184-190.	2.8	8
23	Meixner polynomials in several variables satisfying bispectral difference equations. <i>Advances in Applied Mathematics</i> , 2012, 49, 15-23.	0.7	7
24	Bispectral extensions of the Askey's Wilson polynomials. <i>Journal of Functional Analysis</i> , 2014, 266, 2294-2318.	1.4	7
25	Hahn polynomials on polyhedra and quantum integrability. <i>Advances in Mathematics</i> , 2020, 364, 107032.	1.1	7
26	Heat kernel expansions on the integers and the Toda lattice hierarchy. <i>Selecta Mathematica, New Series</i> , 2008, 13, 497-530.	1.0	6
27	On a Two-Variable Class of Bernstein's Szegő Measures. <i>Constructive Approximation</i> , 2009, 30, 71-91.	3.0	6
28	Algèbres commutatives d'opérateurs aux q-différences et systèmes de Calogero-Moser. <i>Comptes Rendus Mathématique</i> , 1999, 329, 877-882.	0.5	4
29	Bargmann and Barut-Girardello models for the Racah algebra. <i>Journal of Mathematical Physics</i> , 2019, 60, 011701.	1.1	4
30	Coupling coefficients of $su(1,1)$ and multivariate $q$ -Racah polynomials. <i>Nuclear Physics B</i> , 2018, 927, 97-123.	2.5	3
31	TRIGONOMETRIC DARBOUX TRANSFORMATIONS AND CALOGERO-MOSER MATRICES. <i>Glasgow Mathematical Journal</i> , 2009, 51, 95-106.	0.3	2
32	Hahn polynomials for hypergeometric distribution. <i>Advances in Applied Mathematics</i> , 2022, 139, 102364.	0.7	2
33	The trigonometric Grassmannian and a difference $W$ -algebra. <i>Transformation Groups</i> , 2010, 15, 92-114.	0.7	1
34	Darboux transformations from the Appell-Lauricella operator. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 482, 123546.	1.0	1