

# Plamen Koev

## List of Publications by Year in descending order

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24  
papers

835  
citations

643344

15  
h-index

721071

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	The densities and distributions of the largest eigenvalue and the trace of a Beta-Wishart matrix. <i>Random Matrices: Theory and Application</i> , 2021, 10, 2150010.	0.5	0
2	Densities of the extreme eigenvalues of Beta-MANOVA matrices. <i>Random Matrices: Theory and Application</i> , 2019, 08, 1950002.	0.5	3
3	Accurate eigenvalues and exact zero Jordan blocks of totally nonnegative matrices. <i>Numerische Mathematik</i> , 2019, 141, 693-713.	0.9	4
4	On computing Schur functions and series thereof. <i>Journal of Algebraic Combinatorics</i> , 2019, 50, 127-141.	0.4	5
5	Eigenvalue distributions of beta-Wishart matrices. <i>Random Matrices: Theory and Application</i> , 2014, 03, 1450009.	0.5	7
6	The beta-Wishart ensemble. <i>Journal of Mathematical Physics</i> , 2013, 54, 083507.	0.5	12
7	Perturbation theory for the LDU factorization and accurate computations for diagonally dominant matrices. <i>Numerische Mathematik</i> , 2011, 119, 337-371.	0.9	26
8	Implicit standard Jacobi gives high relative accuracy. <i>Numerische Mathematik</i> , 2009, 113, 519-553.	0.9	23
9	Bidiagonal decompositions of oscillating systems of vectors. <i>Linear Algebra and Its Applications</i> , 2008, 428, 2536-2548.	0.4	2
10	Distributions of the Extreme Eigenvalues of Beta-Jacobi Random Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2008, 30, 1-6.	0.7	25
11	LDU Factorization of Nonsingular Totally Nonpositive Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2008, 30, 777-782.	0.7	17
12	Accurate and efficient expression evaluation and linear algebra. <i>Acta Numerica</i> , 2008, 17, 87-145.	6.3	49
13	Accurate Computations with Totally Nonnegative Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2007, 29, 731-751.	0.7	105
14	Accurate eigenvalues of certain sign regular matrices. <i>Linear Algebra and Its Applications</i> , 2007, 424, 435-447.	0.4	21
15	Accurate Symmetric Rank Revealing and Eigendecompositions of Symmetric Structured Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2006, 28, 1126-1156.	0.7	26
16	Accurate SVDs of polynomial Vandermonde matrices involving orthonormal polynomials. <i>Linear Algebra and Its Applications</i> , 2006, 417, 382-396.	0.4	29
17	On the largest principal angle between random subspaces. <i>Linear Algebra and Its Applications</i> , 2006, 414, 288-294.	0.4	45
18	The efficient evaluation of the hypergeometric function of a matrix argument. <i>Mathematics of Computation</i> , 2006, 75, 833-847.	1.1	134

#	ARTICLE	IF	CITATIONS
19	Accurate and efficient evaluation of Schur and Jack functions. <i>Mathematics of Computation</i> , 2005, 75, 223-240.	1.1	19
20	Accurate Eigenvalues and SVDs of Totally Nonnegative Matrices. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2005, 27, 1-23.	0.7	116
21	The Accurate and Efficient Solution of a Totally Positive Generalized Vandermonde Linear System. <i>SIAM Journal on Matrix Analysis and Applications</i> , 2005, 27, 142-152.	0.7	112
22	Accurate SVDs of weakly diagonally dominant M-matrices. <i>Numerische Mathematik</i> , 2004, 98, 99-104.	0.9	40
23	Computational Approach to Polynomial Identities of Matrices – a Survey. , 2003, , .		6
24	Generic $2 \times 2$ matrices in positive characteristic. <i>Journal of Algebra</i> , 2000, 225, 451-486.	0.4	4