

# Steven R Bell

## List of Publications by Year in descending order

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36  
docs citations

36  
times ranked

63  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruminations on Hejhal's theorem about the Bergman and Szegő kernels. Analysis and Mathematical Physics, 2022, 12, 1.	1.3	1
2	The adjoint of a composition operator via its action on the Szegő kernel. Analysis and Mathematical Physics, 2018, 8, 221-236.	1.3	1
3	The Cauchy Integral Formula, Quadrature Domains, and Riemann Mapping Theorems. Computational Methods and Function Theory, 2018, 18, 661-676.	1.5	0
4	The Dirichlet and Neumann and Dirichlet-to-Neumann problems in quadrature, double quadrature, and non-quadrature domains. Analysis and Mathematical Physics, 2015, 5, 113-135.	1.3	3
5	Spiral Galaxy Lensing: A Model with Twist. Mathematical Physics Analysis and Geometry, 2014, 17, 305-322.	1.0	4
6	Self-commutators of Toeplitz operators and isoperimetric inequalities. Proceedings of the Royal Irish Academy, 2014, 114A, 115.	0.2	5
7	An improved Riemann mapping theorem and complexity in potential theory. Arkiv for Matematik, 2013, 51, 223-249.	0.5	2
8	Szegő Coordinates, Quadrature Domains, and Double Quadrature Domains. Computational Methods and Function Theory, 2011, 11, 25-44.	1.5	12
9	The Szegő Kernel and Proper Holomorphic Mappings to a Half Plane. Computational Methods and Function Theory, 2011, 11, 179-191.	1.5	2
10	Density of quadrature domains in one and several complex variables. Complex Variables and Elliptic Equations, 2009, 54, 165-171.	0.8	12
11	A Riemann Mapping Theorem for Two-Connected Domains in the Plane. Computational Methods and Function Theory, 2009, 9, 323-334.	1.5	3
12	The Structure of the Semigroup of Proper Holomorphic Mappings of a Planar Domain to the Unit Disc. Computational Methods and Function Theory, 2008, 8, 225-242.	1.5	3
13	The Green's function and the Ahlfors map. Indiana University Mathematics Journal, 2008, 57, 3049-3064.	0.9	3
14	Bergman coordinates. Studia Mathematica, 2006, 176, 69-83.	0.7	7
15	Quadrature domains and kernel function zipping. Arkiv for Matematik, 2005, 43, 271-287.	0.5	15
16	The Bergman Kernel and Quadrature Domains in the Plane. , 2005, , 61-78.		9
17	Mobius transformations, the Carathéodory metric, and the objects of complex analysis and potential theory in multiply connected domains. Michigan Mathematical Journal, 2003, 51, 351.	0.4	3
18	Complexity in Complex Analysis. Advances in Mathematics, 2002, 172, 15-52.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Finitely generated function fields and complexity in potential theory in the plane. Duke Mathematical Journal, 1999, 98, 187.	1.5	16
20	Ahlfors maps, the double of a domain, and complexity in potential theory and conformal mapping. Journal D'Analyse Mathematique, 1999, 78, 329-344.	0.8	15
21	The Role of the Ahlfors Mapping in the Theory of Kernel Functions in the Plane. International Society for Analysis, Applications and Computation, 1999, , 33-42.	0.1	1
22	Recipes for the classical kernel functions associated to a multiply connected domain in the plane. Complex Variables and Elliptic Equations, 1996, 29, 367-378.	0.2	4
23	Complexity of the classical kernel functions of potential theory. Indiana University Mathematics Journal, 1995, 44, 0-0.	0.9	22
24	Simplicity of the Bergman, Szego and Poisson kernel functions. Mathematical Research Letters, 1995, 2, 267-277.	0.5	5
25	Unique continuation theorems for the $\bar{\partial}$ -operator and applications. Journal of Geometric Analysis, 1993, 3, 195-224.	1.0	11
26	Title is missing!. Indiana University Mathematics Journal, 1990, 39, 1355.	0.9	14
27	Regularity of the Bergman projection and duality of holomorphic function spaces. Mathematische Annalen, 1984, 267, 473-478.	1.4	17
28	Proper holomorphic mappings that must be rational. Transactions of the American Mathematical Society, 1984, 284, 425-425.	0.9	13
29	Boundary regularity of proper holomorphic mappings. Duke Mathematical Journal, 1982, 49, 385.	1.5	64
30	Proper holomorphic mappings between circular domains. Commentarii Mathematici Helvetici, 1982, 57, 532-538.	0.7	43
31	A representation theorem in strictly pseudoconvex domains. Illinois Journal of Mathematics, 1982, 26, .	0.1	10
32	A duality theorem for harmonic functions.. Michigan Mathematical Journal, 1982, 29, .	0.4	19
33	Analytic hypoellipticity of the $\bar{\partial}$ -Neumann problem and extendability of holomorphic mappings. Acta Mathematica, 1981, 147, 109-116.	3.9	42
34	Non-vanishing of the Bergman kernel function at boundary points of certain domains in $\mathbb{C}^n$ . Mathematische Annalen, 1979, 244, 69-74.	1.4	19
35	Real Algebraic Geometry of Real Algebraic Jordan Curves in the Plane and the Bergman Kernel. Analysis Mathematica, 0, , .	0.5	0