

# Nikolai Nikolov

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Visibility of Kobayashi geodesics in convex domains and related properties. <i>Mathematische Zeitschrift</i> , 2022, 301, 2011-2035.	0.9	10
2	Growth of Sibony metric and Bergman kernel for domains with low regularity. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 499, 125018.	1.0	1
3	On the Squeezing Function and Fridman Invariants. <i>Journal of Geometric Analysis</i> , 2020, 30, 1218-1225.	1.0	11
4	Estimates for the Squeezing Function Near Strictly Pseudoconvex Boundary Points with Applications. <i>Journal of Geometric Analysis</i> , 2020, 30, 1359-1365.	1.0	6
5	An analogue of the squeezing function for projective maps. <i>Annali Di Matematica Pura Ed Applicata</i> , 2020, 199, 1885-1894.	1.0	0
6	Comparison of the Bergman kernel and the Carathéodory-Eisenman volume. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 4915-4919.	0.8	2
7	Behavior of the squeezing function near $h$ -extendible boundary points. <i>Proceedings of the American Mathematical Society</i> , 2018, 146, 3455-3457.	0.8	9
8	Gromov hyperbolicity of the Kobayashi metric on $\mathbb{C}$ -convex domains. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 468, 1164-1178.	1.0	2
9	Boundary behavior of the quasi-hyperbolic metric. <i>Annales Academiae Scientiarum Fennicae Mathematica</i> , 2018, 43, 381-389.	0.7	1
10	Estimates of the Kobayashi and quasi-hyperbolic distances. <i>Annali Di Matematica Pura Ed Applicata</i> , 2017, 196, 43-50.	1.0	12
11	Boundary behavior of the squeezing functions of $\hat{\mathbb{C}}$ -convex domains and plane domains. <i>International Journal of Mathematics</i> , 2017, 28, 1750031.	0.5	14
12	On a lower bound of the Kobayashi metric. <i>Proceedings of the American Mathematical Society</i> , 2016, 144, 4393-4394.	0.8	1
13	Gromov (non-)hyperbolicity of certain domains in $\hat{\mathbb{C}}^N$ . <i>Forum Mathematicum</i> , 2016, 28, 783-794.	0.7	9
14	Estimates of the Bergman distance on Dini-smooth bounded planar domains. <i>Collectanea Mathematica</i> , 2016, 67, 407-414.	0.9	3
15	Boundary behaviour of invariant functions on planar domains. <i>Complex Variables and Elliptic Equations</i> , 2016, 61, 1064-1072.	0.8	4
16	Lifting Maps from the Symmetrized Polydisc in Small Dimensions. <i>Complex Analysis and Operator Theory</i> , 2016, 10, 921-941.	0.6	5
17	The Kobayashi balls of $\mathbb{C}$ -convex domains. <i>Monatshefte Fur Mathematik</i> , 2015, 177, 627-635.	0.9	11
18	Comparison of invariant functions on strongly pseudoconvex domains. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 421, 180-185.	1.0	7

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19	Two remarks on the Suita conjecture. <i>Annales Polonici Mathematici</i> , 2015, 113, 61-63.	0.5	1
20	Estimates of invariant distances on $\mathbb{C}$ -convex domains. <i>Annali Di Matematica Pura Ed Applicata</i> , 2014, 193, 1595-1605.	1.0	8
21	A Converse of the Gauss-Lucas Theorem. <i>American Mathematical Monthly</i> , 2014, 121, 541.	0.3	2
22	Estimates for Invariant Metrics Near Non-semipositive Boundary Points. <i>Journal of Geometric Analysis</i> , 2013, 23, 598-610.	1.0	4
23	Real and complex $k$ -planes in convex hypersurfaces. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 408, 846-847.	1.0	0
24	On extremums of sums of powered distances to a finite set of points. <i>Geometriae Dedicata</i> , 2013, 167, 69-89.	0.3	8
25	On different extremal bases for $\mathbb{C}$ -convex domains. <i>Proceedings of the American Mathematical Society</i> , 2013, 141, 3223-3230.	0.8	10
26	Two-dimensional slices of non-pseudoconvex open sets. <i>Mathematische Zeitschrift</i> , 2012, 272, 381-388.	0.9	3
27	Rigid characterizations of pseudoconvex domains. <i>Indiana University Mathematics Journal</i> , 2012, 61, 1313-1323.	0.9	1
28	Self-avoiding walks on. <i>Journal of Statistical Planning and Inference</i> , 2012, 142, 376-377.	0.6	1
29	Convex characterization of linearly convex domains. <i>Mathematica Scandinavica</i> , 2012, 111, 179.	0.2	1
30	Estimates for invariant metrics on $\mathbb{C}$ -convex domains. <i>Transactions of the American Mathematical Society</i> , 2011, 363, 6245-6256.	0.9	21
31	Spectral Nevanlinna-Pick and Caratheodory-Fejer problems for $\mathbb{C}^3$ . <i>Indiana University Mathematics Journal</i> , 2011, 60, 883-894.	0.9	6
32	Kobayashi-Royden pseudometric versus Lempert function. <i>Annali Di Matematica Pura Ed Applicata</i> , 2011, 190, 589-593.	1.0	3
33	On the sum of powered distances to certain sets of points on the circle. <i>Pacific Journal of Mathematics</i> , 2011, 253, 157-168.	0.5	13
34	One-radius results for supermedian functions on $\mathbb{R}^d$ , $d \geq 2$ . <i>Mathematische Annalen</i> , 2010, 348, 565-575.	1.4	1
35	Upper bound for the Lempert function of smooth domains. <i>Mathematische Zeitschrift</i> , 2010, 266, 425-430.	0.9	9
36	Separate continuity of the Lempert function of the spectral ball. <i>Journal of Mathematical Analysis and Applications</i> , 2010, 367, 710-712.	1.0	1

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37	On a local characterization of pseudoconvex domains. Indiana University Mathematics Journal, 2009, 58, 2661-2672.	0.9	3
38	Remarks on Lempert functions of balanced domains. Monatshefte Fur Mathematik, 2009, 156, 159-165.	0.9	0
39	Lipschitzness of the Lempert and Green functions. Proceedings of the American Mathematical Society, 2009, 137, 2027-2036.	0.8	1
40	Discontinuity of the Lempert Function and the Kobayashi-Royden Metric of the Spectral Ball. Integral Equations and Operator Theory, 2008, 61, 401-412.	0.8	8
41	On the derivatives of the Lempert functions. Annali Di Matematica Pura Ed Applicata, 2008, 187, 547.	1.0	6
42	Estimates of the Carathéodory metric on the symmetrized polydisc. Journal of Mathematical Analysis and Applications, 2008, 341, 140-148.	1.0	9
43	On the zero set of the Kobayashi-Royden pseudometric of the spectral unit ball. Annales Polonici Mathematici, 2008, 93, 53-68.	0.5	2
44	An example of a bounded $\mathbb{C}$ -convex domain which is not biholomorphic to a convex domain. Mathematica Scandinavica, 2008, 102, 149.	0.2	19
45	The Lempert function of the symmetrized polydisc in higher dimensions is not a distance. Proceedings of the American Mathematical Society, 2007, 135, 2921-2929.	0.8	22
46	Invariant metrics and distances on generalized Neil parabolas. Michigan Mathematical Journal, 2007, 55, .	0.4	0
47	Simultaneous Approximation and Interpolation on Arakelian Sets. Canadian Mathematical Bulletin, 2007, 50, 123-125.	0.5	1
48	Semiregular Polygons. American Mathematical Monthly, 2006, 113, 339-344.	0.3	1
49	The multipole Lempert function is monotone under inclusion of pole sets. Michigan Mathematical Journal, 2006, 54, 111.	0.4	3
50	The Bergman kernel of the symmetrized polydisc in higher dimensions has zeros. Archiv Der Mathematik, 2006, 87, 412-416.	0.5	13
51	Semiregular Polygons. American Mathematical Monthly, 2006, 113, 339.	0.3	0
52	ON THE DEFINITION OF THE KOBAYASHI-BUSEMAN PSEUDOMETRIC. International Journal of Mathematics, 2006, 17, 1145-1149.	0.5	7
53	The symmetrized polydisc cannot be exhausted by domains biholomorphic to convex domains. Annales Polonici Mathematici, 2006, 88, 279-283.	0.5	17
54	On the product property for the Lempert function. Complex Variables and Elliptic Equations, 2005, 50, 939-952.	0.2	3

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55	Some Remarks on the Green Function and the Azukawa Pseudometric. Monatshefte Fur Mathematik, 2004, 142, 341.	0.9	1
56	Entire curves avoiding given sets in $\mathbb{C}^n$ . Arkiv for Matematik, 2004, 42, 325-334.	0.5	0
57	Behavior of Invariant Metrics Near Convexifiable Boundary Points. Czechoslovak Mathematical Journal, 2003, 53, 1-7.	0.3	1
58	Behavior of the Bergman Kernel Near Smooth Convex Boundary Points. Monatshefte Fur Mathematik, 2003, 139, 227-233.	0.9	0
59	The Completeness of the Bergman Distance of Planar Domains has a Local Character. Complex Variables and Elliptic Equations, 2003, 48, 705-709.	0.2	2
60	Behavior of the Bergman kernel and metric near convex boundary points. Proceedings of the American Mathematical Society, 2003, 131, 2097-2102.	0.8	6
61	Estimates for the Bergman kernel and metric of convex domains in $\mathbb{C}^n$ . Annales Polonici Mathematici, 2003, 81, 73-78.	0.5	8
62	Localization of invariant metrics. Archiv Der Mathematik, 2002, 79, 67-73.	0.5	17
63	Concave domains with trivial biholomorphic invariants. Annales Polonici Mathematici, 2002, 79, 63-66.	0.5	1
64	Stability and Boundary Behavior of the Kobayashi Metrics. Acta Mathematica Hungarica, 2001, 90, 283-291.	0.5	6
65	Continuity and boundary behavior of the Carathéodory metric. Mathematical Notes, 2000, 67, 183-191.	0.4	3
66	Title is missing!. Acta Mathematica Hungarica, 1999, 82, 311-324.	0.5	5
67	Strong localization of invariant metrics. Mathematische Annalen, 0, , 1.	1.4	1
68	Invariant functions and metrics in complex analysis. Dissertationes Mathematicae, 0, 486, 1-100.	1.0	3