

Nikolai Nikolov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Estimates for invariant metrics on \mathbb{C} -convex domains. Transactions of the American Mathematical Society, 2011, 363, 6245-6256.	0.9	21
3	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
4	Localization of invariant metrics. Archiv Der Mathematik, 2002, 79, 67-73.	0.5	17
5	The symmetrized polydisc cannot be exhausted by domains biholomorphic to convex domains. Annales Polonici Mathematici, 2006, 88, 279-283.	0.5	17
6	Boundary behavior of the squeezing functions of $\hat{\mathbb{C}}^n$ -convex domains and plane domains. International Journal of Mathematics, 2017, 28, 1750031.	0.5	14
7	The Bergman kernel of the symmetrized polydisc in higher dimensions has zeros. Archiv Der Mathematik, 2006, 87, 412-416.	0.5	13
8	On the sum of powered distances to certain sets of points on the circle. Pacific Journal of Mathematics, 2011, 253, 157-168.	0.5	13
9	Estimates of the Kobayashi and quasi-hyperbolic distances. Annali Di Matematica Pura Ed Applicata, 2017, 196, 43-50.	1.0	12
10	The Kobayashi balls of (\mathbb{C}^n) -convex domains. Monatshefte Fur Mathematik, 2015, 177, 627-635.	0.9	11
11	On the Squeezing Function and Fridman Invariants. Journal of Geometric Analysis, 2020, 30, 1218-1225.	1.0	11
12	On different extremal bases for $\hat{\mathbb{C}}^n$ -convex domains. Proceedings of the American Mathematical Society, 2013, 141, 3223-3230.	0.8	10
13	Visibility of Kobayashi geodesics in convex domains and related properties. Mathematische Zeitschrift, 2022, 301, 2011-2035.	0.9	10
14	Estimates of the Carathéodory metric on the symmetrized polydisc. Journal of Mathematical Analysis and Applications, 2008, 341, 140-148.	1.0	9
15	Upper bound for the Lempert function of smooth domains. Mathematische Zeitschrift, 2010, 266, 425-430.	0.9	9
16	Gromov (non-)hyperbolicity of certain domains in $\hat{\mathbb{C}}^n$. Forum Mathematicum, 2016, 28, 783-794.	0.7	9
17	Behavior of the squeezing function near h -extendible boundary points. Proceedings of the American Mathematical Society, 2018, 146, 3455-3457.	0.8	9
18	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

#	ARTICLE	IF	CITATIONS
19	On extremums of sums of powered distances to a finite set of points. <i>Geometriae Dedicata</i> , 2013, 167, 69-89.	0.3	8
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	Estimates for the Bergman kernel and metric of convex domains in \mathbb{C}^n . <i>Annales Polonici Mathematici</i> , 2003, 81, 73-78.	0.5	8
22	ON THE DEFINITION OF THE KOBAYASHI-BUSEMAN PSEUDOMETRIC. <i>International Journal of Mathematics</i> , 2006, 17, 1145-1149.	0.5	7
23	Comparison of invariant functions on strongly pseudoconvex domains. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 421, 180-185.	1.0	7
24	Stability and Boundary Behavior of the Kobayashi Metrics. <i>Acta Mathematica Hungarica</i> , 2001, 90, 283-291.	0.5	6
25	Behavior of the Bergman kernel and metric near convex boundary points. <i>Proceedings of the American Mathematical Society</i> , 2003, 131, 2097-2102.	0.8	6
26	On the derivatives of the Lempert functions. <i>Annali Di Matematica Pura Ed Applicata</i> , 2008, 187, 547.	1.0	6
27	Spectral Nevanlinna-Pick and Caratheodory-Fejer problems for \mathbb{B}^n . <i>Indiana University Mathematics Journal</i> , 2011, 60, 883-894.	0.9	6
28	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
29	Title is missing!. <i>Acta Mathematica Hungarica</i> , 1999, 82, 311-324.	0.5	5
30	Lifting Maps from the Symmetrized Polydisc in Small Dimensions. <i>Complex Analysis and Operator Theory</i> , 2016, 10, 921-941.	0.6	5
31	Estimates for Invariant Metrics Near Non-semipositive Boundary Points. <i>Journal of Geometric Analysis</i> , 2013, 23, 598-610.	1.0	4
32	Boundary behaviour of invariant functions on planar domains. <i>Complex Variables and Elliptic Equations</i> , 2016, 61, 1064-1072.	0.8	4
33	Continuity and boundary behavior of the Carathéodory metric. <i>Mathematical Notes</i> , 2000, 67, 183-191.	0.4	3
34	On the product property for the Lempert function. <i>Complex Variables and Elliptic Equations</i> , 2005, 50, 939-952.	0.2	3
35	The multipole Lempert function is monotone under inclusion of pole sets. <i>Michigan Mathematical Journal</i> , 2006, 54, 111.	0.4	3
36	On a local characterization of pseudoconvex domains. <i>Indiana University Mathematics Journal</i> , 2009, 58, 2661-2672.	0.9	3

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37	Kobayashi's "Royden pseudometric versus Lempert function. <i>Annali Di Matematica Pura Ed Applicata</i> , 2011, 190, 589-593.	1.0	3
38	Two-dimensional slices of non-pseudoconvex open sets. <i>Mathematische Zeitschrift</i> , 2012, 272, 381-388.	0.9	3
39	Estimates of the Bergman distance on Dini-smooth bounded planar domains. <i>Collectanea Mathematica</i> , 2016, 67, 407-414.	0.9	3
40	Invariant functions and metrics in complex analysis. <i>Dissertationes Mathematicae</i> , 0, 486, 1-100.	1.0	3
41	The Completeness of the Bergman Distance of Planar Domains has a Local Character. <i>Complex Variables and Elliptic Equations</i> , 2003, 48, 705-709.	0.2	2
42	A Converse of the Gauss's "Lucas Theorem. <i>American Mathematical Monthly</i> , 2014, 121, 541.	0.3	2
43	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
44	Comparison of the Bergman kernel and the Carathéodory's "Eisenman volume. <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 4915-4919.	0.8	2
45	On the zero set of the Kobayashi's "Royden pseudometric of the spectral unit ball. <i>Annales Polonici Mathematici</i> , 2008, 93, 53-68.	0.5	2
46	Behavior of Invariant Metrics Near Convexifiable Boundary Points. <i>Czechoslovak Mathematical Journal</i> , 2003, 53, 1-7.	0.3	1
47	Some Remarks on the Green Function and the Azukawa Pseudometric. <i>Monatshefte Fur Mathematik</i> , 2004, 142, 341.	0.9	1
48	Semiregular Polygons. <i>American Mathematical Monthly</i> , 2006, 113, 339-344.	0.3	1
49	Simultaneous Approximation and Interpolation on Arakelian Sets. <i>Canadian Mathematical Bulletin</i> , 2007, 50, 123-125.	0.5	1
50	Lipschitzness of the Lempert and Green functions. <i>Proceedings of the American Mathematical Society</i> , 2009, 137, 2027-2036.	0.8	1
51	One-radius results for supermedian functions on \mathbb{R}^d , $d \geq 2$. <i>Mathematische Annalen</i> , 2010, 348, 565-575.	1.4	1
52	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
53	Rigid characterizations of pseudoconvex domains. <i>Indiana University Mathematics Journal</i> , 2012, 61, 1313-1323.	0.9	1
54	Self-avoiding walks on. <i>Journal of Statistical Planning and Inference</i> , 2012, 142, 376-377.	0.6	1

#	ARTICLE	IF	CITATIONS
55	On a lower bound of the Kobayashi metric. Proceedings of the American Mathematical Society, 2016, 144, 4393-4394.	0.8	1
56	Strong localization of invariant metrics. Mathematische Annalen, 0, , 1.	1.4	1
57	Growth of Sibony metric and Bergman kernel for domains with low regularity. Journal of Mathematical Analysis and Applications, 2021, 499, 125018.	1.0	1
58	Two remarks on the Suita conjecture. Annales Polonici Mathematici, 2015, 113, 61-63.	0.5	1
59	Convex characterization of linearly convex domains. Mathematica Scandinavica, 2012, 111, 179.	0.2	1
60	Concave domains with trivial biholomorphic invariants. Annales Polonici Mathematici, 2002, 79, 63-66.	0.5	1
61	Boundary behavior of the quasi-hyperbolic metric. Annales Academiae Scientiarum Fennicae Mathematica, 2018, 43, 381-389.	0.7	1
62	Behavior of the Bergman Kernel Near Smooth Convex Boundary Points. Monatshefte Fur Mathematik, 2003, 139, 227-233.	0.9	0
63	Entire curves avoiding given sets in C_n . Arkiv for Matematik, 2004, 42, 325-334.	0.5	0
64	Semiregular Polygons. American Mathematical Monthly, 2006, 113, 339.	0.3	0
65	Invariant metrics and distances on generalized Neil parabolas. Michigan Mathematical Journal, 2007, 55, .	0.4	0
66	Remarks on Lempert functions of balanced domains. Monatshefte Fur Mathematik, 2009, 156, 159-165.	0.9	0
67	Real and complex k -planes in convex hypersurfaces. Journal of Mathematical Analysis and Applications, 2013, 408, 846-847.	1.0	0
68	An analogue of the squeezing function for projective maps. Annali Di Matematica Pura Ed Applicata, 2020, 199, 1885-1894.	1.0	0