Maxim Balashov

List of Publications by Year
in descending order

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33 papers	245 citations	1040056 9 h-index	1058476 14 g-index
34 all docs	34 docs citations	34 times ranked	37 citing authors

#	Article	IF	Citations
1	$ M$-strongly convex subsets and their generating sets. Sbornik Mathematics, 2000, 191, 25-60.	0.6	28
2	Uniform convexity and the splitting problem for selections. Journal of Mathematical Analysis and Applications, 2009, 360, 307-316.	1.0	27
3	Weakly convex and proximally smooth sets in Banach spaces. Izvestiya Mathematics, 2009, 73, 455-499.	0.6	24
4	An algorithm for the numerical solution of linear differential games. Sbornik Mathematics, 2001, 192, 1515-1542.	0.6	21
5	Gradient Projection and Conditional Gradient Methods for Constrained Nonconvex Minimization. Numerical Functional Analysis and Optimization, 2020, 41, 822-849.	1.4	21
6	Properties of the metric projection on weakly vial-convex sets and parametrization of set-valued mappings with weakly convex images. Mathematical Notes, 2006, 80, 461-467.	0.4	14
7	About the Lipschitz property of the metric projection in the Hilbert space. Journal of Mathematical Analysis and Applications, 2012, 394, 545-551.	1.0	14
8	Uniformly convex subsets of the Hilbert space with modulus of convexity of the second order. Journal of Mathematical Analysis and Applications, 2011, 377, 754-761.	1.0	11
9	Maximization of a Function with Lipschitz Continuous Gradient. Journal of Mathematical Sciences, 2015, 209, 12-18.	0.4	10
10	On the splitting problem for selections. Journal of Mathematical Analysis and Applications, 2009, 355, 277-287.	1.0	8
11	On the P-Property of Compact Convex Sets. Mathematical Notes, 2002, 71, 295-304.	0.4	7
12	Weakly convex sets and modulus of nonconvexity. Journal of Mathematical Analysis and Applications, 2010, 371, 113-127.	1.0	7
13	On polyhedral approximations in an n-dimensional space. Computational Mathematics and Mathematical Physics, 2016, 56, 1679-1685.	0.8	7
14	On the Gradient Projection Method for Weakly Convex Functions on a Proximally Smooth Set. Mathematical Notes, 2020, 108, 643-651.	0.4	5
15	The gradient projection algorithm for a proximally smooth set and a function with Lipschitz continuous gradient. Sbornik Mathematics, 2020, 211, 481-504.	0.6	5
16	On farthest points of sets. Mathematical Notes, 2006, 80, 159-166.	0.4	4
17	Polyhedral approximations of strictly convex compacta. Journal of Mathematical Analysis and Applications, 2011, 374, 529-537.	1.0	4
18	Gradient Projection Method on Matrix Manifolds. Computational Mathematics and Mathematical Physics, 2020, 60, 1403-1411.	0.8	4

#	Article	IF	Citations
19	The Gradient Projection Algorithm for Smooth Sets and Functions in Nonconvex Case. Set-Valued and Variational Analysis, 2021, 29, 341-360.	1.1	4
20	Proximal smoothness of a set with the Lipschitz metric projection. Journal of Mathematical Analysis and Applications, 2013, 406, 360-363.	1.0	3
21	Error bound conditions and convergence of optimization methods on smooth and proximally smooth manifolds. Optimization, 2022, 71, 711-735.	1.7	3
22	Chebyshev center and inscribed balls: properties and calculations. Optimization Letters, 2022, 16, 2299-2312.	1.6	3
23	An Analog of the Krein–Mil'man Theorem for Strongly Convex Hulls in Hilbert Space. Mathematical Notes, 2002, 71, 34-38.	0.4	2
24	Lipschitz continuous parametrizations of set-valued maps with weakly convex images. Izvestiya Mathematics, 2007, 71, 1123-1143.	0.6	2
25	The PliÅ› metric and Lipschitz stability of minimization problems. Sbornik Mathematics, 2019, 210, 911-927.	0.6	2
26	Stability of Minimization Problems and the Error Bound Condition. Set-Valued and Variational Analysis, 0, , 1.	1.1	2
27	Geometric Difference of Multivalued Maps. Mathematical Notes, 2001, 70, 147-153.	0.4	1
28	Properties of P-sets and trapped compact convex sets. Mathematical Notes, 2008, 84, 465-472.	0.4	1
29	Inscribed Balls and Their Centers. Computational Mathematics and Mathematical Physics, 2017, 57, 1899-1907.	0.8	0
30	The Lipschitz Property of the Metric Projection in the Hilbert Space. Journal of Mathematical Sciences, 2020, 250, 391-403.	0.4	0
31	Growth Conditions on a Function and the Error Bound Condition. Mathematical Notes, 2021, 109, 638-643.	0.4	0
32	Evgenii Sergeevich Polovinkin (on his 70th birthday). Russian Mathematical Surveys, 2016, 71, 983-987.	0.6	0
33	The Gradient Projection Method with Armijoâ€™s Step Size on Manifolds. Computational Mathematics and Mathematical Physics, 2021, 61, 1776-1786.	0.8	0