

Alexander Ukhlov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On Lipschitz approximations in second order Sobolev spaces and the change of variables formula. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 506, 125659.	1.0	0
2	Singular subelliptic equations and Sobolev inequalities on Carnot groups. <i>Analysis and Mathematical Physics</i> , 2022, 12, 1.	1.3	2
3	Mixed local and nonlocal Sobolev inequalities with extremal and associated quasilinear singular elliptic problems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2022, 223, 113022.	1.1	22
4	Composition operators on Hardy-Sobolev spaces and BMO-quasiconformal mappings. <i>Ukrainian Mathematical Bulletin</i> , 2021, 18, 209-225.	0.5	2
5	Composition operators on Hardy-Sobolev spaces and BMO-quasiconformal mappings. <i>Journal of Mathematical Sciences</i> , 2021, 258, 313-325.	0.4	4
6	Spectral stability estimates of Dirichlet divergence form elliptic operators. <i>Analysis and Mathematical Physics</i> , 2020, 10, 1.	1.3	2
7	Sobolev Mappings and Moduli Inequalities on Carnot Groups. <i>Journal of Mathematical Sciences</i> , 2020, 249, 754-768.	0.4	1
8	Space quasiconformal composition operators with applications to Neumann eigenvalues. <i>Analysis and Mathematical Physics</i> , 2020, 10, 1.	1.3	2
9	On the functional properties of weak (p, q) -quasiconformal homeomorphisms. <i>Journal of Mathematical Sciences</i> , 2020, 246, 18-29.	0.4	2
10	Sobolev mappings and moduli inequalities on Carnot groups. <i>Ukrainian Mathematical Bulletin</i> , 2020, 17, 215-233.	0.5	4
11	Composition Operators on Sobolev Spaces and Neumann Eigenvalues. <i>Complex Analysis and Operator Theory</i> , 2019, 13, 2781-2798.	0.6	1
12	On the functional properties of weak (p, q) -quasiconformal homeomorphisms. <i>Ukrainian Mathematical Bulletin</i> , 2019, 16, 329-344.	0.5	2
13	Integral estimates of conformal derivatives and spectral properties of the Neumann-Laplacian. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 463, 19-39.	1.0	10
14	Spectral estimates of the p -Laplace Neumann operator and Brennan's conjecture. <i>Bolletino Dell Unione Matematica Italiana</i> , 2018, 11, 245-264.	1.0	5
15	Space quasiconformal mappings and Neumann eigenvalues in fractal type domains. <i>Georgian Mathematical Journal</i> , 2018, 25, 221-233.	0.6	5
16	On the First Eigenvalue of the Degenerate \mathbb{R}^n -Laplace Operator in Non-convex Domains. <i>Integral Equations and Operator Theory</i> , 2018, 90, 1.	0.8	12
17	The spectral estimates for the Neumann-Laplace operator in space domains. <i>Advances in Mathematics</i> , 2017, 315, 166-193.	1.1	16
18	Weak regularity of degenerate elliptic equations. <i>Lobachevskii Journal of Mathematics</i> , 2017, 38, 262-270.	0.9	0

#	ARTICLE	IF	CITATIONS
19	On the First Eigenvalues of Free Vibrating Membranes in Conformal Regular Domains. Archive for Rational Mechanics and Analysis, 2016, 221, 893-915.	2.4	27
20	Conformal spectral stability estimates for the Neumann Laplacian. Mathematische Nachrichten, 2016, 289, 2133-2146.	0.8	5
21	Spectral estimates of the Laplace Neumann operator in conformal regular domains. Transactions of A Razmadze Mathematical Institute, 2016, 170, 137-148.	0.7	6
22	Traces of functions of L^1_2 Dirichlet spaces on the Carathéodory boundary. Studia Mathematica, 2016, 235, 209-224.	0.7	12
23	Conformal spectral stability estimates for the Dirichlet Laplacian. Mathematische Nachrichten, 2015, 288, 1822-1833.	0.8	15
24	Sobolev Homeomorphisms and Brennan's Conjecture. Computational Methods and Function Theory, 2014, 14, 247-256.	1.5	9
25	Brennan's Conjecture and universal Sobolev inequalities. Bulletin Des Sciences Mathématiques, 2014, 138, 253-269.	1.0	9
26	Conformal Weights and Sobolev Embeddings. Journal of Mathematical Sciences, 2013, 193, 202-210.	0.4	8
27	Embeddings of weighted Sobolev spaces and degenerate Dirichlet problems involving the weighted p -Laplacian. Complex Variables and Elliptic Equations, 2011, 56, 905-930.	0.8	6
28	Composition operators in weighted Sobolev spaces on Carnot groups. Acta Mathematica Hungarica, 2011, 133, 103-127.	0.5	4
29	Mappings with bounded $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:stb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:sc="http://www.elsevier.com/xml/common/struct-citation/dtd" xmlns:sd="http://www.elsevier.com/xml/common/struct-doi/dtd" xmlns:si="http://www.elsevier.com/xml/common/struct-image/dtd" xmlns:sj="http://www.elsevier.com/xml/common/struct-journal-info/dtd" xmlns:sr="http://www.elsevier.com/xml/common/struct-reference/dtd" xmlns:st="http://www.elsevier.com/xml/common/struct-text/dtd" xmlns:struct-bbox="http://www.elsevier.com/xml/common/struct-bbox/dtd" xmlns:struct-citation="http://www.elsevier.com/xml/common/struct-citation/dtd" xmlns:struct-doi="http://www.elsevier.com/xml/common/struct-doi/dtd" xmlns:struct-image="http://www.elsevier.com/xml/common/struct-image/dtd" xmlns:struct-journal-info="http://www.elsevier.com/xml/common/struct-journal-info/dtd" xmlns:struct-reference="http://www.elsevier.com/xml/common/struct-reference/dtd" xmlns:struct-text="http://www.elsevier.com/xml/common/struct-text/dtd" xmlns:struct-toc="http://www.elsevier.com/xml/common/struct-toc/dtd" xmlns:struct-user-defined="http://www.elsevier.com/xml/common/struct-user-defined/dtd" >math altimg="si1.gif" overflow="scroll" >$	1.0	24
30	About homeomorphisms that induce composition operators on Sobolev spaces. Complex Variables and Elliptic Equations, 2010, 55, 833-845.	0.8	25
31	Sobolev Homeomorphisms and Composition Operators. International Mathematical Series, 2010, , 207-220.	0.3	8
32	Weighted Sobolev spaces and embedding theorems. Transactions of the American Mathematical Society, 2009, 361, 3829-3829.	0.9	114
33	Quasiconformal mappings and Neumann eigenvalues of divergent elliptic operators. Complex Variables and Elliptic Equations, 0, , 1-22.	0.8	1