

# Alexander Ukhlov

## List of Publications by Year in descending order

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papers

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35  
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docs citations

35  
times ranked

82  
citing authors

#	ARTICLE	IF	CITATIONS
1	Weighted Sobolev spaces and embedding theorems. Transactions of the American Mathematical Society, 2009, 361, 3829-3829.	0.9	114
2	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
3	About homeomorphisms that induce composition operators on Sobolev spaces. Complex Variables and Elliptic Equations, 2010, 55, 833-845.	0.8	25
4	Mappings with bounded $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	1.0	24
5	Mixed local and nonlocal Sobolev inequalities with extremal and associated quasilinear singular elliptic problems. Nonlinear Analysis: Theory, Methods & Applications, 2022, 223, 113022.	1.1	22
6	The spectral estimates for the Neumann Laplace operator in space domains. Advances in Mathematics, 2017, 315, 166-193.	1.1	16
7	Conformal spectral stability estimates for the Dirichlet Laplacian. Mathematische Nachrichten, 2015, 288, 1822-1833.	0.8	15
8	On the First Eigenvalue of the Degenerate $\Delta_p$ -Laplace Operator in Non-convex Domains. Integral Equations and Operator Theory, 2018, 90, 1.	0.8	12
9	Traces of functions of $W^{1,2}$ Dirichlet spaces on the Carathéodory boundary. Studia Mathematica, 2016, 235, 209-224.	0.7	12
10	Integral estimates of conformal derivatives and spectral properties of the Neumann-Laplacian. Journal of Mathematical Analysis and Applications, 2018, 463, 19-39.	1.0	10
11	Sobolev Homeomorphisms and Brennan's Conjecture. Computational Methods and Function Theory, 2014, 14, 247-256.	1.5	9
12	Brennan's Conjecture and universal Sobolev inequalities. Bulletin Des Sciences Mathematiques, 2014, 138, 253-269.	1.0	9
13	Sobolev Homeomorphisms and Composition Operators. International Mathematical Series, 2010, , 207-220.	0.3	8
14	Conformal Weights and Sobolev Embeddings. Journal of Mathematical Sciences, 2013, 193, 202-210.	0.4	8
15	Embeddings of weighted Sobolev spaces and degenerate Dirichlet problems involving the weighted $\Delta_p$ -Laplacian. Complex Variables and Elliptic Equations, 2011, 56, 905-930.	0.8	6
16	Spectral estimates of the $p$ -Laplace Neumann operator in conformal regular domains. Transactions of A Razmadze Mathematical Institute, 2016, 170, 137-148.	0.7	6
17	Conformal spectral stability estimates for the Neumann Laplacian. Mathematische Nachrichten, 2016, 289, 2133-2146.	0.8	5
18	Spectral estimates of the $p$ -Laplace Neumann operator and Brennan's conjecture. Bolletino Dell Unione Matematica Italiana, 2018, 11, 245-264.	1.0	5

#	ARTICLE	IF	CITATIONS
19	Space quasiconformal mappings and Neumann eigenvalues in fractal type domains. Georgian Mathematical Journal, 2018, 25, 221-233.	0.6	5
20	Composition operators in weighted Sobolev spaces on Carnot groups. Acta Mathematica Hungarica, 2011, 133, 103-127.	0.5	4
21	Composition operators on Hardy-Sobolev spaces and BMO-quasiconformal mappings. Journal of Mathematical Sciences, 2021, 258, 313-325.	0.4	4
22	Sobolev mappings and moduli inequalities on Carnot groups. Ukrainian Mathematical Bulletin, 2020, 17, 215-233.	0.5	4
23	Spectral stability estimates of Dirichlet divergence form elliptic operators. Analysis and Mathematical Physics, 2020, 10, 1.	1.3	2
24	Space quasiconformal composition operators with applications to Neumann eigenvalues. Analysis and Mathematical Physics, 2020, 10, 1.	1.3	2
25	On the functional properties of weak $(p, q)$ -quasiconformal homeomorphisms. Journal of Mathematical Sciences, 2020, 246, 18-29.	0.4	2
26	Composition operators on Hardy-Sobolev spaces and BMO-quasiconformal mappings. Ukrainian Mathematical Bulletin, 2021, 18, 209-225.	0.5	2
27	On the functional properties of weak $(p, q)$ -quasiconformal homeomorphisms. Ukrainian Mathematical Bulletin, 2019, 16, 329-344.	0.5	2
28	Singular subelliptic equations and Sobolev inequalities on Carnot groups. Analysis and Mathematical Physics, 2022, 12, 1.	1.3	2
29	Composition Operators on Sobolev Spaces and Neumann Eigenvalues. Complex Analysis and Operator Theory, 2019, 13, 2781-2798.	0.6	1
30	Sobolev Mappings and Moduli Inequalities on Carnot Groups. Journal of Mathematical Sciences, 2020, 249, 754-768.	0.4	1
31	Quasiconformal mappings and Neumann eigenvalues of divergent elliptic operators. Complex Variables and Elliptic Equations, 0, , 1-22.	0.8	1
32	Weak regularity of degenerate elliptic equations. Lobachevskii Journal of Mathematics, 2017, 38, 262-270.	0.9	0
33	On Lipschitz approximations in second order Sobolev spaces and the change of variables formula. Journal of Mathematical Analysis and Applications, 2022, 506, 125659.	1.0	0