

# Van Hoang Nguyen

## List of Publications by Year in descending order

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47  
papers

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citations

1040056

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h-index

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47  
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47  
docs citations

47  
times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy jumps for isotropic log-concave random vectors and spectral gap. <i>Studia Mathematica</i> , 2012, 213, 81-96.	0.7	40
2	Sharp weighted Sobolev and Gagliardo–Nirenberg inequalities on half-spaces via mass transport and consequences. <i>Proceedings of the London Mathematical Society</i> , 2015, 111, 127-148.	1.3	30
3	Sharp reversed Hardy–Littlewood–Sobolev inequality on $\mathbb{R}^n$ . <i>Israel Journal of Mathematics</i> , 2017, 220, 189-223.	0.8	30
4	Dimensional variance inequalities of Brascamp–Lieb type and a local approach to dimensional Prékopa–Egérš theorem. <i>Journal of Functional Analysis</i> , 2014, 266, 931-955.	1.4	25
5	New approach to the affine Pólya–Szegő principle and the stability version of the affine Sobolev inequality. <i>Advances in Mathematics</i> , 2016, 302, 1080-1110.	1.1	21
6	New sharp Hardy and Rellich type inequalities on Cartan–Hadamard manifolds and their improvements. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2020, 150, 2952-2981.	1.2	18
7	Improved Moser–Trudinger inequality of Tintarev type in dimension $n$ and the existence of its extremal functions. <i>Annals of Global Analysis and Geometry</i> , 2018, 54, 237-256.	0.6	14
8	Some trace Hardy type inequalities and trace Hardy–Sobolev–Maz'ya type inequalities. <i>Journal of Functional Analysis</i> , 2016, 270, 4117-4151.	1.4	12
9	Sharp Reversed Hardy–Littlewood–Sobolev Inequality on the Half Space $\mathbb{R}_+^n$ . <i>International Mathematics Research Notices</i> , 2016, , rnw108.	1.0	10
10	Improved Moser–Trudinger inequality for functions with mean value zero in $\mathbb{R}^n$ and its extremal functions. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2017, 163, 127-145.	1.1	10
11	Sharp Constant for Poincaré-Type Inequalities in the Hyperbolic Space. <i>Acta Mathematica Vietnamica</i> , 2019, 44, 781-795.	0.4	10
12	Extremals for the singular Moser-Trudinger inequality via $n$ -harmonic transplantation. <i>Journal of Differential Equations</i> , 2021, 270, 843-882.	2.2	10
13	Improved Moser–Trudinger type inequalities in the hyperbolic space $\mathbb{H}^n$ . <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2018, 168, 67-80.	1.1	9
14	Extremal functions for the Moser–Trudinger inequality of Adimurthi–Druet type in $W_1, N(\hat{a}, \mathbb{N})$ . <i>Communications in Contemporary Mathematics</i> , 2019, 21, 1850023.	1.2	9
15	Supercritical Moser–Trudinger inequalities and related elliptic problems. <i>Calculus of Variations and Partial Differential Equations</i> , 2020, 59, 1.	1.7	9
16	The sharp Poincaré–Sobolev type inequalities in the hyperbolic spaces $\mathbb{H}^n$ . <i>Journal of Mathematical Analysis and Applications</i> , 2018, 462, 1570-1584.	1.0	8
17	Remarks on the Moser–Trudinger type inequality with logarithmic weights in dimension $n$ . <i>Proceedings of the American Mathematical Society</i> , 2019, 147, 5183-5193.	0.8	8
18	Sharp Gagliardo–Nirenberg Trace Inequalities via Mass Transportation Method and Their Affine Versions. <i>Journal of Geometric Analysis</i> , 2020, 30, 2132-2156.	1.0	6

#	ARTICLE	IF	CITATIONS
19	A supercritical Sobolev type inequality in higher order Sobolev spaces and related higher order elliptic problems. <i>Journal of Differential Equations</i> , 2020, 268, 5996-6032.	2.2	6
20	The sharp affine L2 Sobolev trace inequality and affine energy in the fractional Sobolev spaces. <i>Advances in Applied Mathematics</i> , 2020, 118, 102039.	0.7	6
21	Improved Singular Moser-Trudinger Inequalities and Their Extremal Functions. <i>Potential Analysis</i> , 2020, 53, 55-88.	0.9	4
22	A pointwise inequality for a biharmonic equation with negative exponent and related problems. <i>Nonlinearity</i> , 2018, 31, 5484-5499.	1.4	3
23	Maximizers for the variational problems associated with Sobolev type inequalities under constraints. <i>Mathematische Annalen</i> , 2018, 372, 229-255.	1.4	3
24	Concentration-Compactness principle for the sharp Adams inequalities in bounded domains and whole space $\mathbb{R}^n$ . <i>Journal of Differential Equations</i> , 2019, 267, 4448-4492.	2.2	3
25	The sharp Gagliardo-Nirenberg-Sobolev inequality in quantitative form. <i>Journal of Functional Analysis</i> , 2019, 277, 2179-2208.	1.4	3
26	A simple proof of the Moment-Entropy inequalities. <i>Advances in Applied Mathematics</i> , 2019, 108, 31-44.	0.7	3
27	The weighted Moser-Trudinger inequalities of Adimurthia-Druet type in $\mathbb{R}^n$ . <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2020, 195, 111723.	1.1	3
28	Higher order Sobolev trace inequalities on balls revisited. <i>Journal of Functional Analysis</i> , 2020, 278, 108414.	1.4	3
29	The thresholds of the existence of maximizers for the critical sharp singular Moser-Trudinger inequality under constraints. <i>Mathematische Annalen</i> , 2021, 380, 1933-1958.	1.4	3
30	Liouville type theorems for some fractional elliptic problems. <i>Nonlinear Analysis: Theory, Methods &amp; Applications</i> , 2021, 210, 112383.	1.1	3
31	Sharp Caffarelli-Kohn-Nirenberg inequalities on Riemannian manifolds: the influence of curvature. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 0, , 1-26.	1.2	3
32	$\Phi$ -entropy inequalities and asymmetric covariance estimates for convex measures. <i>Bernoulli</i> , 2019, 25, .	1.3	3
33	Second order Sobolev type inequalities in the hyperbolic spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 477, 1157-1181.	1.0	2
34	Weighted Finsler trace Hardy inequality on half spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 474, 1198-1212.	1.0	2
35	Sharp Caffarelli-Kohn-Nirenberg inequalities on stratified Lie groups. <i>Annales Academiæ Scientiarum Fennicæ Mathematica</i> , 2018, 43, 1073-1083.	0.7	2
36	Sharp Adams-Moser-Trudinger type inequalities in the hyperbolic space. <i>Revista Matemática Iberoamericana</i> , 2020, 36, 1409-1467.	0.9	2

#	ARTICLE	IF	CITATIONS
37	A local proof of the dimensional Prékopa's theorem. Journal of Mathematical Analysis and Applications, 2014, 419, 20-27.	1.0	1
38	Improved $L_p$ -mixed volume inequality for convex bodies. Journal of Mathematical Analysis and Applications, 2015, 431, 1045-1053.	1.0	1
39	The sharp Sobolev type inequalities in the Lorentz-Sobolev spaces in the hyperbolic spaces. Journal of Mathematical Analysis and Applications, 2020, 490, 124197.	1.0	1
40	The sharp higher-order Lorentz-Poincaré and Lorentz-Sobolev inequalities in the hyperbolic spaces. Annali Di Matematica Pura Ed Applicata, 2021, 200, 2133-2153.	1.0	1
41	Liouville Type Theorems for Fractional Parabolic Problems. Journal of Dynamics and Differential Equations, 0, , 1.	1.9	1
42	The Hardy-Moser-Trudinger inequality via the transplantation of Green functions. Communications on Pure and Applied Analysis, 2020, 19, 3559-3574.	0.8	1
43	A Liouville-Type Theorem for Fractional Elliptic Equation with Exponential Nonlinearity. Mediterranean Journal of Mathematics, 2022, 19, 1.	0.8	1
44	Trudinger-Moser Type Inequalities with Vanishing Weights in the Unit Ball. Journal of Fourier Analysis and Applications, 2020, 26, 1.	1.0	0
45	Extremal functions for sharp Moser-Trudinger type inequalities in the whole space $\mathbb{R}^N$ . Journal of Functional Analysis, 2021, 280, 108833.	1.4	0
46	UNIFORM LOWER BOUND AND LIOUVILLE TYPE THEOREM FOR FRACTIONAL LICHNEROWICZ EQUATIONS. Bulletin of the Australian Mathematical Society, 0, , 1-9.	0.5	0
47	A mass transportation proof of the sharp one-dimensional Gagliardo-Nirenberg inequalities. Journal of the Mathematical Society of Japan, 2021, 73, .	0.4	0