

# François Loeser

## List of Publications by Year in descending order

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51  
papers

1,453  
citations

471509

17  
h-index

345221

36  
g-index

55  
all docs

55  
docs citations

55  
times ranked

245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Germes of arcs on singular algebraic varieties and motivic integration. <i>Inventiones Mathematicae</i> , 1999, 135, 201-232.	2.5	260
2	Geometry on Arc Spaces of Algebraic Varieties. <i>Progress in Mathematics</i> , 2001, , 327-348.	0.3	126
3	Constructible motivic functions and motivic integration. <i>Inventiones Mathematicae</i> , 2008, 173, 23-121.	2.5	84
4	Weights of exponential sums, intersection cohomology, and Newton polyhedra. <i>Inventiones Mathematicae</i> , 1991, 106, 275-294.	2.5	76
5	Definable sets, motives and $p$ -adic integrals. <i>Journal of the American Mathematical Society</i> , 2000, 14, 429-469.	3.9	64
6	Fonctions D'Igusa $p$ -adiques et Polynomes de Berstein. <i>American Journal of Mathematics</i> , 1988, 110, 1.	1.1	62
7	Lefschetz numbers of iterates of the monodromy and truncated arcs. <i>Topology</i> , 2002, 41, 1031-1040.	0.3	61
8	Motivic Integration, Quotient Singularities and the McKay Correspondence. <i>Compositio Mathematica</i> , 2002, 131, 267-290.	0.8	60
9	Constructible exponential functions, motivic Fourier transform and transfer principle. <i>Annals of Mathematics</i> , 2010, 171, 1011-1065.	4.2	55
10	Motivic integration on smooth rigid varieties and invariants of degenerations. <i>Duke Mathematical Journal</i> , 2003, 119, .	1.5	51
11	Iterated vanishing cycles, convolution, and a motivic analogue of a conjecture of Steenbrink. <i>Duke Mathematical Journal</i> , 2006, 132, 409.	1.5	43
12	Faisceaux pervers $\hat{a}$ , $\hat{a}$ -adiques sur un tore. <i>Duke Mathematical Journal</i> , 1996, 83, 501.	1.5	42
13	Motivic exponential integrals and a motivic Thom-Sebastiani theorem. <i>Duke Mathematical Journal</i> , 1999, 99, 285.	1.5	41
14	Fonctions d'Igusa $p$ -adiques, polynômes de Bernstein, et polyèdres de Newton.. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1990, 1990, 75-96.	0.9	26
15	$b$ -MINIMALITY. <i>Journal of Mathematical Logic</i> , 2007, 07, 195-227.	0.6	26
16	Equations aux différences finies et déterminants d'intégrales de fonctions multiformes. <i>Commentarii Mathematici Helvetici</i> , 1991, 66, 458-503.	0.7	24
17	Non-Archimedean Tame Topology and Stably Dominated Types. , 2016, , .		24
18	Monodromy and the Lefschetz fixed point formula. <i>Annales Scientifiques De L'Ecole Normale Supérieure</i> , 2015, 48, 313-349.	0.8	18

#	ARTICLE	IF	CITATIONS
19	On some rational generating series occurring in arithmetic geometry. , 2004, , 509-526.		17
20	Lipschitz Continuity Properties for $p$ -Adic Semi-Algebraic and Subanalytic Functions. Geometric and Functional Analysis, 2010, 20, 68-87.	1.8	16
21	Title is missing!. International Mathematics Research Notices, 2005, 2005, 1873.	1.0	15
22	Quelques conséquences locales de la théorie de Hodge. Annales De L'Institut Fourier, 1985, 35, 75-92.	0.6	15
23	Formules intégrales pour certains invariants locaux des espaces analytiques complexes. Commentarii Mathematici Helvetici, 1984, 59, 204-225.	0.7	13
24	Berkovich spaces embed in Euclidean spaces. L'Enseignement Mathématique, 2015, 60, 273-292.	0.1	13
25	Motivic zeta functions of infinite-dimensional Lie algebras. Selecta Mathematica, New Series, 2004, 10, 253-303.	1.0	12
26	Ax-Kochen-Erĭov Theorems for $p$ -adic integrals and motivic integration. , 2005, , 109-137.		12
27	NON-ARCHIMEDEAN YOMDIN GROMOV PARAMETRIZATIONS AND POINTS OF BOUNDED HEIGHT. Forum of Mathematics, Pi, 2015, 3, .	2.0	12
28	Bounding the number of connected components of a real algebraic set. Discrete and Computational Geometry, 1991, 6, 191-209.	0.6	10
29	Fonctions constructibles et intégration motivique II. Comptes Rendus Mathématique, 2004, 339, 487-492.	0.3	10
30	Local metric properties and regular stratifications of $p$ -adic definable sets. Commentarii Mathematici Helvetici, 2012, 87, 963-1009.	0.7	10
31	Motivic integration in all residue field characteristics for Henselian discretely valued fields of characteristic zero. Journal Fur Die Reine Und Angewandte Mathematik, 2013, .	0.9	10
32	Motivic height zeta functions. American Journal of Mathematics, 2016, 138, 1-59.	1.1	10
33	Character sums associated to finite Coxeter groups. Transactions of the American Mathematical Society, 1998, 350, 5047-5066.	0.9	9
34	Fonctions constructibles exponentielles, transformation de Fourier motivique et principe de transfert. Comptes Rendus Mathématique, 2005, 341, 741-746.	0.3	8
35	Arrangements d'hyperplans et sommes de Gauss. Annales Scientifiques De L'Ecole Normale Supérieure, 1991, 24, 379-400.	0.8	8
36	Composition with a two variable function. Mathematical Research Letters, 2009, 16, 439-448.	0.5	7

#	ARTICLE	IF	CITATIONS
37	Uniform Yomdin–Gromov parametrizations and points of bounded height in valued fields. <i>Algebra and Number Theory</i> , 2020, 14, 1423-1456.	0.6	6
38	Volume de tubes autour de singularites. <i>Duke Mathematical Journal</i> , 1986, 53, 443.	1.5	5
39	Une estimation asymptotique du nombre de solutions approchies d'une equation p-adique. <i>Inventiones Mathematicae</i> , 1986, 85, 31-38.	2.5	5
40	Chai's conjecture and Fubini properties of dimensional motivic integration. <i>Algebra and Number Theory</i> , 2013, 7, 893-915.	0.6	4
41	Distributions and wave front sets in the uniform non-archimedean setting. <i>Transactions of the London Mathematical Society</i> , 2018, 5, 97-131.	0.7	4
42	Motivic integration on the Hitchin fibration. <i>Algebraic Geometry</i> , 0, , 196-230.	1.0	3
43	Motivic zeta functions for prehomogeneous vector spaces and castling transformations. <i>Nagoya Mathematical Journal</i> , 2003, 171, 85-105.	0.8	2
44	Microlocal Geometry and Valued Fields. <i>Publications of the Research Institute for Mathematical Sciences</i> , 2011, 47, 613-627.	0.8	2
45	Motivic integration in mixed characteristic with bounded ramification: a summary. , 2011, , 305-334.		2
46	A nonarchimedean Ax–Lindemann theorem. <i>Algebra and Number Theory</i> , 2017, 11, 1967-1999.	0.6	2
47	MACDONALD INTEGRALS AND MONODROMY. <i>International Journal of Mathematics</i> , 2001, 12, 987-1004.	0.5	1
48	Trace Formulas for Motivic Volumes. <i>Acta Mathematica Vietnamica</i> , 2016, 41, 409-424.	0.4	1
49	Geometry and non-archimedean integrals. , 0, , 277-292.		1
50	Generalized Hypergeometric Functions (Bernard Dwork). <i>SIAM Review</i> , 1992, 34, 673-675.	9.5	0
51	Principe de Boyarsky et D-modules. <i>Mathematische Annalen</i> , 1996, 306, 125-157.	1.4	0