

David Harbater

List of Publications by Year in descending order

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44
papers

639
citations

567281

15
h-index

610901

24
g-index

45
all docs

45
docs citations

45
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Abhyankar's conjecture on Galois groups over curves. <i>Inventiones Mathematicae</i> , 1994, 117, 1-25.	2.5	77
2	Applications of patching to quadratic forms and central simple algebras. <i>Inventiones Mathematicae</i> , 2009, 178, 231-263.	2.5	64
3	Moduli of p-covers of curves. <i>Communications in Algebra</i> , 1980, 8, 1095-1122.	0.6	37
4	Hurwitz families and arithmetic Galois groups. <i>Duke Mathematical Journal</i> , 1985, 52, 821.	1.5	36
5	Patching over fields. <i>Israel Journal of Mathematics</i> , 2010, 176, 61-107.	0.8	33
6	Galois coverings of the arithmetic line. <i>Lecture Notes in Mathematics</i> , 1987, , 165-195.	0.2	32
7	Local Galois theory in dimension two. <i>Advances in Mathematics</i> , 2005, 198, 623-653.	1.1	30
8	Patching and Thickening Problems. <i>Journal of Algebra</i> , 1999, 212, 272-304.	0.7	28
9	Formal Patching and Adding Branch Points. <i>American Journal of Mathematics</i> , 1993, 115, 487.	1.1	26
10	Local-global principles for torsors over arithmetic curves. <i>American Journal of Mathematics</i> , 2015, 137, 1559-1612.	1.1	24
11	Mock covers and Galois extensions. <i>Journal of Algebra</i> , 1984, 91, 281-293.	0.7	22
12	Local-global principles for Galois cohomology. <i>Commentarii Mathematici Helvetici</i> , 2014, 89, 215-253.	0.7	19
13	Every curve is a Hurwitz space. <i>Duke Mathematical Journal</i> , 1989, 59, 737.	1.5	18
14	Convergent Arithmetic Power Series. <i>American Journal of Mathematics</i> , 1984, 106, 801.	1.1	16
15	Abhyankar's conjectures in Galois theory: Current status and future directions. <i>Bulletin of the American Mathematical Society</i> , 2018, 55, 239-287.	1.5	13
16	Patching subfields of division algebras. <i>Transactions of the American Mathematical Society</i> , 2011, 363, 3335-3335.	0.9	12
17	Embedding problems with local conditions. <i>Israel Journal of Mathematics</i> , 2000, 118, 317-355.	0.8	11
18	Refinements to Patching and Applications to Field Invariants. <i>International Mathematics Research Notices</i> , 2015, 2015, 10399-10450.	1.0	11

#	ARTICLE	IF	CITATIONS
19	The local lifting problem for actions of finite groups on curves. Annales Scientifiques De L'Ecole Normale Superieure, 2011, 44, 537-605.	0.8	10
20	Galois Covers of an Arithmetic Surface. American Journal of Mathematics, 1988, 110, 849.	1.1	9
21	Permanence criteria for semi-free profinite groups. Mathematische Annalen, 2010, 348, 539-563.	1.4	9
22	Deformation theory and the tame fundamental group. Transactions of the American Mathematical Society, 1980, 262, 399-415.	0.9	9
23	Weierstrass preparation and algebraic invariants. Mathematische Annalen, 2013, 356, 1405-1424.	1.4	8
24	Abhyankars Conjecture and embedding problems. Journal Fur Die Reine Und Angewandte Mathematik, 2003, 2003, 1-24.	0.9	7
25	LARGE FIELDS IN DIFFERENTIAL GALOIS THEORY. Journal of the Institute of Mathematics of Jussieu, 2021, 20, 1931-1946.	0.7	7
26	Differential Galois groups over Laurent series fields. Proceedings of the London Mathematical Society, 2016, 112, 455-476.	1.3	6
27	Algebraic rings of arithmetic power series. Journal of Algebra, 1984, 91, 294-319.	0.7	5
28	On function fields with free absolute Galois groups. Journal Fur Die Reine Und Angewandte Mathematik, 2009, 2009, .	0.9	5
29	Differential embedding problems over Laurent series fields. Journal of Algebra, 2018, 513, 99-112.	0.7	5
30	Free differential Galois groups. Transactions of the American Mathematical Society, 2021, 374, 4293-4308.	0.9	4
31	Correction and addendum to "embedding problems with local conditions" Israel Journal of Mathematics, 2007, 162, 373-379.	0.8	3
32	Fundamental Groups of Curves in Characteristic p , 1995, , 656-666.		3
33	Arithmetic and Differential Galois Groups. Oberwolfach Reports, 2008, 4, 1443-1520.	0.0	3
34	Arithmetic discriminants and horizontal intersections. Mathematische Annalen, 1991, 291, 705-724.	1.4	2
35	Potential theory over local and global fields, II. Journal of Algebra, 1992, 148, 384-432.	0.7	2
36	Global Oort groups. Journal of Algebra, 2017, 473, 374-396.	0.7	2

#	ARTICLE	IF	CITATIONS
37	Local-global Galois theory of arithmetic function fields. Israel Journal of Mathematics, 2019, 232, 849-882.	0.8	2
38	The differential Galois group of the rational function field. Advances in Mathematics, 2021, 381, 107605.	1.1	2
39	Ordinary and supersingular covers in characteristic p . Pacific Journal of Mathematics, 1984, 113, 349-363.	0.5	2
40	Global approximation in dimension two. Journal of Algebra, 1990, 129, 159-193.	0.7	1
41	Potential theory over local and global fields, I. Journal of Algebra, 1992, 148, 337-383.	0.7	1
42	On purity of inertia. Proceedings of the American Mathematical Society, 1991, 112, 311-311.	0.8	1
43	Local-global principles for curves over semi-global fields. Bulletin of the London Mathematical Society, 2021, 53, 177-193.	0.8	1
44	Abhyankar's Local Conjecture on Fundamental Groups. , 2004, , 473-485.		0