

JÃ¼rgen Herzog

List of Publications by Year in descending order

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111
papers

3,286
citations

159585

30
h-index

189892

50
g-index

115
all docs

115
docs citations

115
times ranked

434
citing authors

#	ARTICLE	IF	CITATIONS
1	On the set of trace ideals of a Noetherian ring. Beitrage Zur Algebra Und Geometrie, 2023, 64, 41-54.	0.5	4
2	Matchings and squarefree powers of edge ideals. Journal of Combinatorial Theory - Series A, 2022, 188, 105585.	0.8	3
3	The edge ideal of a graph and its splitting graphs. Journal of Commutative Algebra, 2022, 14, .	0.3	1
4	The saturation number of c-bounded stable monomial ideals and their powers. Kyoto Journal of Mathematics, 2022, 62, .	0.3	1
5	Homological shift ideals. Collectanea Mathematica, 2021, 72, 157-174.	0.9	6
6	Graded Bourbaki ideals of graded modules. Mathematische Zeitschrift, 2021, 299, 1303-1330.	0.9	2
7	Canonical trace ideal and residue for numerical semigroup rings. Semigroup Forum, 2021, 103, 550-566.	0.6	8
8	Restricted classes of veronese type ideals and algebras. International Journal of Algebra and Computation, 2021, 31, 173-197.	0.5	7
9	On the Gauss algebra of toric algebras. Journal of Algebraic Combinatorics, 2020, 51, 1-17.	0.8	0
10	Matching Numbers and the Regularity of the Rees Algebra of an Edge Ideal. Annals of Combinatorics, 2020, 24, 577-586.	0.6	1
11	Ulrich elements in normal simplicial affine semigroups. Pacific Journal of Mathematics, 2020, 309, 353-380.	0.5	1
12	On the Symbolic Powers of Binomial Edge Ideals. Springer Proceedings in Mathematics and Statistics, 2020, , 43-50.	0.2	5
13	Depth and regularity modulo a principal ideal. Journal of Algebraic Combinatorics, 2019, 49, 1-20.	0.8	23
14	The fiber cone of a monomial ideal in two variables. Journal of Symbolic Computation, 2019, 94, 52-69.	0.8	3
15	$\langle i \rangle$ -Spread strongly stable monomial ideals*. Communications in Algebra, 2019, 47, 5303-5316.	0.6	18
16	On the fiber cone of monomial ideals. Archiv Der Mathematik, 2019, 113, 469-481.	0.5	0
17	The trace of the canonical module. Israel Journal of Mathematics, 2019, 233, 133-165.	0.8	38
18	Measuring the non-Gorenstein locus of Hibi rings and normal affine semigroup rings. Journal of Algebra, 2019, 540, 78-99.	0.7	5

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19	Cohen-Macaulay Criteria for Projective Monomial Curves via Gröbner Bases. <i>Acta Mathematica Vietnamica</i> , 2019, 44, 51-64.	0.4	7
20	The relevance of Freiman's theorem for combinatorial commutative algebra. <i>Mathematische Zeitschrift</i> , 2019, 291, 999-1014.	0.9	8
21	Almost symmetric numerical semigroups. <i>Semigroup Forum</i> , 2019, 98, 589-630.	0.6	13
22	Stability properties of powers of ideals in regular local rings of small dimension. <i>Pacific Journal of Mathematics</i> , 2018, 295, 31-41.	0.5	3
23	ISOTONIAN ALGEBRAS. <i>Nagoya Mathematical Journal</i> , 2018, 230, 83-101.	0.8	2
24	On the index of powers of edge ideals. <i>Communications in Algebra</i> , 2018, 46, 1080-1095.	0.6	8
25	Review of <i>Commutative Algebra</i> . <i>Graduate Texts in Mathematics</i> , 2018, , 35-58.	0.5	0
26	Binomial Ideals. <i>Graduate Texts in Mathematics</i> , 2018, , .	0.5	40
27	Binomial Edge Ideals and Related Ideals. <i>Graduate Texts in Mathematics</i> , 2018, , 171-238.	0.5	0
28	Koszul cycles and Golod rings. <i>Manuscripta Mathematica</i> , 2018, 157, 483-495.	0.6	6
29	Monomial ideals with tiny squares. <i>Journal of Algebra</i> , 2018, 514, 99-112.	0.7	12
30	Join-Meet Ideals of Finite Lattices. <i>Graduate Texts in Mathematics</i> , 2018, , 141-170.	0.5	0
31	Ideals Generated by 2-Minors. <i>Graduate Texts in Mathematics</i> , 2018, , 239-270.	0.5	0
32	Simplicial orders and chordality. <i>Journal of Algebraic Combinatorics</i> , 2017, 45, 1021-1039.	0.8	6
33	The linear strand of determinantal facet ideals. <i>Michigan Mathematical Journal</i> , 2017, 66, .	0.4	10
34	Betti Diagrams with Special Shape. <i>Springer INdAM Series</i> , 2017, , 33-52.	0.5	5
35	Letterplace and co-letterplace ideals of posets. <i>Journal of Pure and Applied Algebra</i> , 2017, 221, 1218-1241.	0.6	12
36	Alexander duality for monomial ideals associated with isotone maps between posets. <i>Journal of Algebra and Its Applications</i> , 2016, 15, 1650089.	0.4	5

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37	Algebraically rigid simplicial complexes and graphs. <i>Journal of Pure and Applied Algebra</i> , 2016, 220, 2914-2935.	0.6	10
38	Linear flags and Koszul filtrations. <i>Kyoto Journal of Mathematics</i> , 2015, 55, .	0.3	11
39	A note on the regularity of Hibi rings. <i>Manuscripta Mathematica</i> , 2015, 148, 501-506.	0.6	6
40	Gröbner bases of balanced polyominoes. <i>Mathematische Nachrichten</i> , 2015, 288, 775-783.	0.8	15
41	Linearly related polyominoes. <i>Journal of Algebraic Combinatorics</i> , 2015, 41, 949-968.	0.8	9
42	Pseudo-Gorenstein and level Hibi rings. <i>Journal of Algebra</i> , 2015, 431, 138-161.	0.7	11
43	Persistence and stability properties of powers of ideals. <i>Journal of Pure and Applied Algebra</i> , 2015, 219, 530-542.	0.6	45
44	The possible extremal Betti numbers of a homogeneous ideal. <i>Proceedings of the American Mathematical Society</i> , 2014, 142, 1875-1891.	0.8	11
45	Monomial ideals whose depth function has any given number of strict local maxima. <i>Arkiv for Matematik</i> , 2014, 52, 11-19.	0.5	13
46	On the defining equations of the tangent cone of a numerical semigroup ring. <i>Journal of Algebra</i> , 2014, 418, 8-28.	0.7	20
47	Generalized mixed product ideals. <i>Archiv Der Mathematik</i> , 2014, 103, 39-51.	0.5	4
48	Expansions of monomial ideals and multigraded modules. <i>Rocky Mountain Journal of Mathematics</i> , 2014, 44, .	0.4	12
49	The binomial edge ideal of a pair of graphs. <i>Nagoya Mathematical Journal</i> , 2014, 213, 105-125.	0.8	11
50	The coordinate ring of a simple polyomino. <i>Illinois Journal of Mathematics</i> , 2014, 58, .	0.1	11
51	The binomial edge ideal of a pair of graphs. <i>Nagoya Mathematical Journal</i> , 2014, 213, 105-125.	0.8	1
52	Ordinary and symbolic powers are Golod. <i>Advances in Mathematics</i> , 2013, 246, 89-99.	1.1	16
53	The stable set of associated prime ideals of a polymatroidal ideal. <i>Journal of Algebraic Combinatorics</i> , 2013, 37, 289-312.	0.8	54
54	Squarefree monomial ideals with constant depth function. <i>Journal of Pure and Applied Algebra</i> , 2013, 217, 1764-1772.	0.6	12

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55	Monomial localizations and polymatroidal ideals. <i>European Journal of Combinatorics</i> , 2013, 34, 752-763.	0.8	15
56	A Survey on Stanley Depth. <i>Lecture Notes in Mathematics</i> , 2013, , 3-45.	0.2	29
57	Ideals generated by adjacent 2-minors. <i>Journal of Commutative Algebra</i> , 2012, 4, .	0.3	12
58	Finite lattices and Gröbner bases. <i>Mathematische Nachrichten</i> , 2012, 285, 1969-1973.	0.8	5
59	On the stable set of associated prime ideals of a monomial ideal. <i>Archiv Der Mathematik</i> , 2012, 98, 213-217.	0.5	11
60	Cohen-Macaulay binomial edge ideals. <i>Nagoya Mathematical Journal</i> , 2011, 204, 57-68.	0.8	78
61	Monomial ideals and toric rings of Hibi type arising from a finite poset. <i>European Journal of Combinatorics</i> , 2011, 32, 404-421.	0.8	30
62	Gröbner bases of syzygies and Stanley depth. <i>Journal of Algebra</i> , 2011, 328, 178-189.	0.7	4
63	Monomial Ideals. , 2011, , .		325
64	Powers of Componentwise Linear Ideals. , 2011, , 49-60.		6
65	Cohen-Macaulay binomial edge ideals. <i>Nagoya Mathematical Journal</i> , 2011, 204, 57-68.	0.8	8
66	Binomial edge ideals and conditional independence statements. <i>Advances in Applied Mathematics</i> , 2010, 45, 317-333.	0.7	138
67	Asymptotic growth of algebras associated to powers of ideals. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2010, 148, 55-72.	0.4	18
68	Unmixed bipartite graphs and sublattices of the Boolean lattices. <i>Journal of Algebraic Combinatorics</i> , 2009, 30, 415-420.	0.8	5
69	How to compute the Stanley depth of a monomial ideal. <i>Journal of Algebra</i> , 2009, 322, 3151-3169.	0.7	81
70	Stanley decompositions and partitionable simplicial complexes. <i>Journal of Algebraic Combinatorics</i> , 2008, 27, 113-125.	0.8	37
71	Componentwise linear ideals with minimal or maximal Betti numbers. <i>Arkiv for Matematik</i> , 2008, 46, 69-75.	0.5	5
72	Kruskal-Katona type theorems for clique complexes arising from chordal and strongly chordal graphs. <i>Combinatorica</i> , 2008, 28, 315-323.	1.2	8

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73	Hilbert polynomials and powers of ideals. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2008, 145, 623-642.	0.4	32
74	Standard graded vertex cover algebras, cycles and leaves. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 6231-6249.	0.9	37
75	A Generalization of the Taylor Complex Construction. <i>Communications in Algebra</i> , 2007, 35, 1747-1756.	0.6	20
76	Symbolic powers of monomial ideals and vertex cover algebras. <i>Advances in Mathematics</i> , 2007, 210, 304-322.	1.1	83
77	Level Rings Arising from Meet-Distributive Meet-Semilattices. <i>Nagoya Mathematical Journal</i> , 2006, 181, 29-39.	0.8	2
78	Cohen-Macaulay polymatroidal ideals. <i>European Journal of Combinatorics</i> , 2006, 27, 513-517.	0.8	32
79	Finite filtrations of modules and shellable multicomplexes. <i>Manuscripta Mathematica</i> , 2006, 121, 385-410.	0.6	51
80	Cohen-Macaulay chordal graphs. <i>Journal of Combinatorial Theory - Series A</i> , 2006, 113, 911-916.	0.8	52
81	Koszul Modules. <i>Journal of Pure and Applied Algebra</i> , 2005, 201, 154-188.	0.6	64
82	The depth of powers of an ideal. <i>Journal of Algebra</i> , 2005, 291, 534-550.	0.7	96
83	Distributive Lattices, Bipartite Graphs and Alexander Duality. <i>Journal of Algebraic Combinatorics</i> , 2005, 22, 289-302.	0.8	109
84	Dirac's theorem on chordal graphs and Alexander duality. <i>European Journal of Combinatorics</i> , 2004, 25, 949-960.	0.8	61
85	Monomial ideals whose powers have a linear resolution. <i>Mathematica Scandinavica</i> , 2004, 95, 23.	0.2	81
86	Explicit linear minimal free resolutions over a natural class of Rees algebras. <i>Archiv Der Mathematik</i> , 2003, 81, 636-645.	0.5	0
87	Duality and vanishing of generalized local cohomology. <i>Archiv Der Mathematik</i> , 2003, 81, 512-519.	0.5	27
88	Symmetric and Rees algebras of Koszul cycles and their Gröbner bases. <i>Manuscripta Mathematica</i> , 2003, 112, 489-509.	0.6	9
89	Koszul Algebras and Modules. , 2003, , 25-37.		1
90	REGULARITY OF REES ALGEBRAS. <i>Journal of the London Mathematical Society</i> , 2002, 65, 320-338.	1.0	6

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91	Asymptotic linear bounds for the Castelnuovo-Mumford regularity. Transactions of the American Mathematical Society, 2002, 354, 1793-1809.	0.9	22
92	Shellability of semigroup rings. Nagoya Mathematical Journal, 2002, 168, 65-84.	0.8	5
93	Discrete Polymatroids. Journal of Algebraic Combinatorics, 2002, 16, 239-268.	0.8	99
94	Resolutions by mapping cones. Homology, Homotopy and Applications, 2002, 4, 277-294.	0.4	107
95	s-Sequences and symmetric algebras. Manuscripta Mathematica, 2001, 104, 479-501.	0.6	18
96	Finite Lattices and Lexicographic Gröbner Bases. European Journal of Combinatorics, 2000, 21, 431-439.	0.8	25
97	Strongly Koszul algebras. Mathematica Scandinavica, 2000, 86, 161.	0.2	45
98	Componentwise linear ideals. Nagoya Mathematical Journal, 1999, 153, 141-153.	0.8	131
99	Asymptotic Behaviour of the Castelnuovo-Mumford Regularity. Compositio Mathematica, 1999, 118, 243-261.	0.8	148
100	Squarefree lexsegment ideals. Mathematische Zeitschrift, 1998, 228, 353-378.	0.9	85
101	The Koszul property in affine semigroup rings. Pacific Journal of Mathematics, 1998, 186, 39-65.	0.5	36
102	Diagonal subalgebras of bigraded algebras and embeddings of blow-ups of projective spaces. American Journal of Mathematics, 1997, 119, 859-901.	1.1	40
103	Semigroup rings and simplicial complexes. Journal of Pure and Applied Algebra, 1997, 122, 185-208.	0.6	40
104	Gotzmann Theorems for Exterior Algebras and Combinatorics. Journal of Algebra, 1997, 191, 174-211.	0.7	73
105	Koszul Cycles and Eliahou-Kervaire Type Resolutions. Journal of Algebra, 1996, 181, 347-370.	0.7	44
106	On multigraded resolutions. Mathematical Proceedings of the Cambridge Philosophical Society, 1995, 118, 245-257.	0.4	39
107	Gröbner bases and multiplicity of determinantal and pfaffian ideals. Advances in Mathematics, 1992, 96, 1-37.	1.1	109
108	Arithmetic of normal Rees algebras. Journal of Algebra, 1991, 143, 269-294.	0.7	19

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109	A note on the hilbertfunction of a one-dimensional Cohen-Macaulay ring. Manuscripta Mathematica, 1975, 16, 251-260.	0.6	28
110	Systems of parameters and the Cohen-Macaulay property. Journal of Algebraic Combinatorics, 0, , 1.	0.8	1
111	RINGS OF TETER TYPE. Nagoya Mathematical Journal, 0, , 1-29.	0.8	0