

Craig Huneke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11519028/publications.pdf>

Version: 2024-02-01

96
papers

3,799
citations

136950

32
h-index

133252

59
g-index

96
all docs

96
docs citations

96
times ranked

428
citing authors

#	ARTICLE	IF	CITATIONS
1	Torsion in differentials and Berger's conjecture. Research in Mathematical Sciences, 2021, 8, 1.	1.0	1
2	Expected resurgences and symbolic powers of ideals. Journal of the London Mathematical Society, 2020, 102, 453-469.	1.0	13
3	Symbolic Powers of Ideals Defining F-pure and Strongly F-regular Rings. International Mathematics Research Notices, 2019, 2019, 2999-3014.	1.0	14
4	Rigid Ideals in Gorenstein Rings of Dimension One. Acta Mathematica Vietnamica, 2019, 44, 31-49.	0.4	5
5	A generalization of an inequality of Lech relating multiplicity and colength*. Communications in Algebra, 2019, 47, 2436-2449.	0.6	5
6	Uniform symbolic topologies in abelian extensions. Transactions of the American Mathematical Society, 2019, 372, 1735-1750.	0.9	6
7	Symbolic Powers of Ideals. Springer Proceedings in Mathematics and Statistics, 2018, , 387-432.	0.2	45
8	Iterated socles and integral dependence in regular rings. Transactions of the American Mathematical Society, 2017, 370, 53-72.	0.9	3
9	Uniform symbolic topologies and finite extensions. Journal of Pure and Applied Algebra, 2015, 219, 543-550.	0.6	10
10	Vanishing of Ext, cluster tilting modules and finite global dimension of endomorphism rings. American Journal of Mathematics, 2013, 135, 561-578.	1.1	13
11	The projective dimension of codimension two algebras presented by quadrics. Journal of Algebra, 2013, 393, 170-186.	0.7	12
12	Bounds on the regularity and projective dimension of ideals associated to graphs. Journal of Algebraic Combinatorics, 2013, 38, 37-55.	0.8	98
13	Hilbert-Kunz Multiplicity and the F-Signature. , 2013, , 485-525.		18
14	Bounds on the Hilbert-Kunz multiplicity. Nagoya Mathematical Journal, 2012, 205, 149-165.	0.8	9
15	Residual intersections of Licci ideals are Glicci. Michigan Mathematical Journal, 2012, 61, .	0.4	2
16	Bounds on the Hilbert-Kunz multiplicity. Nagoya Mathematical Journal, 2012, 205, 149-165.	0.8	1
17	Multiplicity bounds in graded rings. Kyoto Journal of Mathematics, 2011, 51, .	0.3	5
18	3-standardness of the maximal ideal. Journal of Pure and Applied Algebra, 2011, 215, 2674-2683.	0.6	1

#	ARTICLE	IF	CITATIONS
19	On the support of local cohomology. <i>Journal of Algebra</i> , 2009, 322, 3194-3211.	0.7	13
20	Quasilength, latent regular sequences, and content of local cohomology. <i>Journal of Algebra</i> , 2009, 322, 3170-3193.	0.7	5
21	Uniform equivalence of symbolic and adic topologies. <i>Illinois Journal of Mathematics</i> , 2009, 53, .	0.1	19
22	Liaison of monomial ideals. <i>Bulletin of the London Mathematical Society</i> , 2007, 39, 384-392.	0.8	16
23	Correction to "Tensor products of modules and the rigidity of Tor", <i>Math. Annalen</i> , 299 (1994), 449-476. <i>Mathematische Annalen</i> , 2007, 338, 291-293.	1.4	9
24	Absolute integral closure in positive characteristic. <i>Advances in Mathematics</i> , 2007, 210, 498-504.	1.1	31
25	Fine behavior of symbolic powers of ideals. <i>Illinois Journal of Mathematics</i> , 2007, 51, .	0.1	17
26	Integral closure of ideals and annihilators of homology. <i>Lecture Notes in Pure and Applied Mathematics</i> , 2005, , 33-48.	0.1	18
27	On the core of ideals. <i>Compositio Mathematica</i> , 2005, 141, 1-18.	0.8	24
28	A finiteness property of infinite resolutions. <i>Journal of Pure and Applied Algebra</i> , 2005, 201, 284-294.	0.6	5
29	Fitting ideals and finite projective dimension. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2005, 138, 41-54.	0.4	4
30	Lectures on the Geometry of Syzygies. , 2004, , 115-152.		45
31	Tight Closure Theory and Characteristic p Methods. , 2004, , 181-210.		5
32	Order ideals and a generalized Krull height theorem. <i>Mathematische Annalen</i> , 2004, 330, 417-439.	1.4	7
33	On a conjecture of Auslander and Reiten. <i>Journal of Algebra</i> , 2004, 275, 781-790.	0.7	37
34	An Informal Introduction to Multiplier Ideals. , 2004, , 87-114.		11
35	Local rings of countable Cohen-Macaulay type. <i>Proceedings of the American Mathematical Society</i> , 2003, 131, 3003-3007.	0.8	7
36	Special tight closure. <i>Nagoya Mathematical Journal</i> , 2003, 170, 175-183.	0.8	8

#	ARTICLE	IF	CITATIONS
37	Two theorems about maximal Cohen-Macaulay modules. <i>Mathematische Annalen</i> , 2002, 324, 391-404.	1.4	103
38	Comparison of symbolic and ordinary powers of ideals. <i>Inventiones Mathematicae</i> , 2002, 147, 349-369.	2.5	159
39	F-rational rings and the integral closures of ideals. <i>Michigan Mathematical Journal</i> , 2001, 49, 3.	0.4	5
40	Vanishing Theorems for Complete Intersections. <i>Journal of Algebra</i> , 2001, 238, 684-702.	0.7	24
41	A cancellation theorem for ideals. <i>Journal of Pure and Applied Algebra</i> , 2000, 152, 123-132.	0.6	4
42	The saturation of frobenius powers of ideals. <i>Communications in Algebra</i> , 2000, 28, 5563-5572.	0.6	9
43	Desingularizations and the Uniform Artin-Rees Theorem. <i>Journal of the London Mathematical Society</i> , 2000, 62, 740-756.	1.0	5
44	On the integral closure of ideals. <i>Manuscripta Mathematica</i> , 1998, 95, 331-347.	0.6	20
45	On the integral closure of ideals. <i>Manuscripta Mathematica</i> , 1998, 95, 331-347.	0.6	32
46	Symbolic squares in regular local rings. <i>Mathematische Zeitschrift</i> , 1998, 229, 31-44.	0.9	9
47	Tight Closure, Parameter Ideals, and Geometry. , 1998, , 187-239.		20
48	Tight closure and the Kodaira Vanishing Theorem.. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1997, 1997, 127-152.	0.9	16
49	The height of ideals and regular sequences. <i>Manuscripta Mathematica</i> , 1997, 93, 137-142.	0.6	3
50	Tight closure and strong test ideals. <i>Journal of Pure and Applied Algebra</i> , 1997, 122, 243-250.	0.6	8
51	On The Structure Of Gorenstein Ideals Of Deviation Two. <i>Resultate Der Mathematik</i> , 1996, 29, 90-99.	0.2	2
52	A theorem of BrianÅson-Skoda type for regular local rings containing a field. <i>Proceedings of the American Mathematical Society</i> , 1996, 124, 707-713.	0.8	17
53	Reduction numbers, Rees algebras and Pfaffian ideals. <i>Journal of Pure and Applied Algebra</i> , 1995, 102, 1-15.	0.6	7
54	Residual intersections and the number of equations defining projective varieties. <i>Communications in Algebra</i> , 1995, 23, 2345-2376.	0.6	3

#	ARTICLE	IF	CITATIONS
55	F-Regularity, Test Elements, and Smooth Base Change. Transactions of the American Mathematical Society, 1994, 346, 1.	0.9	65
56	Tensor products of modules and the rigidity of Tor. Mathematische Annalen, 1994, 299, 449-476.	1.4	96
57	\mathbb{F} -regularity, test elements, and smooth base change. Transactions of the American Mathematical Society, 1994, 346, 1-62.	0.9	139
58	An improved Briançon-Skoda theorem with applications to the Cohen-Macaulayness of Rees algebras. Mathematische Annalen, 1993, 297, 343-369.	1.4	39
59	Localization of tight closure and modules of finite phantom projective dimension.. Journal Fur Die Reine Und Angewandte Mathematik, 1993, 1993, 67-114.	0.9	22
60	Rees algebras of ideals having small analytic deviation. Transactions of the American Mathematical Society, 1993, 339, 373-402.	0.9	27
61	Infinite Integral Extensions and big Cohen-Macaulay Algebras. Annals of Mathematics, 1992, 135, 53.	4.2	119
62	Powers of Ideals Having Small Analytic Deviation. American Journal of Mathematics, 1992, 114, 367.	1.1	62
63	Direct methods for primary decomposition. Inventiones Mathematicae, 1992, 110, 207-235.	2.5	172
64	Uniform bounds in noetherian rings. Inventiones Mathematicae, 1992, 107, 203-223.	2.5	83
65	Local properties of licci ideals. Mathematische Zeitschrift, 1992, 211, 129-154.	0.9	11
66	Cofiniteness and vanishing of local cohomology modules. Mathematical Proceedings of the Cambridge Philosophical Society, 1991, 110, 421-429.	0.4	95
67	Tight closure and elements of small order in integral extensions. Journal of Pure and Applied Algebra, 1991, 71, 233-247.	0.6	34
68	Absolute integral closures are big Cohen-Macaulay algebras in characteristic $\neq p$. Bulletin of the American Mathematical Society, 1991, 24, 137-143.	1.5	13
69	Tight closure, invariant theory, and the Briançon-Skoda theorem. Journal of the American Mathematical Society, 1990, 3, 31-116.	3.9	108
70	Tight Closure, Invariant Theory, and the Briançon-Skoda Theorem. Journal of the American Mathematical Society, 1990, 3, 31.	3.9	290
71	Complete Ideals in Two-Dimensional Regular Local Rings. Mathematical Sciences Research Institute Publications, 1989, , 325-338.	0.3	48
72	Tight closure and strong F-regularity. Mémoires De La Société Mathématique De France, 1989, 1, 119-133.	1.4	66

#	ARTICLE	IF	CITATIONS
73	Birational extensions in dimension two and integrally closed ideals. Journal of Algebra, 1988, 115, 481-500.	0.7	88
74	Residual intersections.. Journal Fur Die Reine Und Angewandte Mathematik, 1988, 1988, 1-20.	0.9	22
75	Algebraic linkage. Duke Mathematical Journal, 1988, 56, 415.	1.5	29
76	Minimal linkage and the Gorenstein locus of an ideal. Nagoya Mathematical Journal, 1988, 109, 159-167.	0.8	7
77	Hilbert functions and symbolic powers.. Michigan Mathematical Journal, 1987, 34, 293.	0.4	163
78	The Structure of Linkage. Annals of Mathematics, 1987, 126, 277.	4.2	93
79	Determinantal ideals of linear type. Archiv Der Mathematik, 1986, 47, 324-329.	0.5	29
80	The primary components of and integral closures of ideals in 3-dimensional regular local rings. Mathematische Annalen, 1986, 275, 617-635.	1.4	69
81	A criterion for spots. Kyoto Journal of Mathematics, 1986, 26, .	0.3	44
82	The Koszul homology of an ideal. Advances in Mathematics, 1985, 56, 295-318.	1.1	28
83	A criterion for intersection multiplicity one. Nagoya Mathematical Journal, 1985, 100, 49-63.	0.8	11
84	Examples of Commutative Rings. By Harry C. Hutchins. American Mathematical Monthly, 1985, 92, 300-301.	0.3	0
85	Divisor Class Groups and Deformations. American Journal of Mathematics, 1985, 107, 1265.	1.1	67
86	Criteria for Complete Intersections. Journal of the London Mathematical Society, 1985, s2-32, 19-30.	1.0	7
87	Cohen-Macaulay Rees algebras and their specialization. Journal of Algebra, 1983, 81, 202-224.	0.7	95
88	Strongly Cohen-Macaulay schemes and residual intersections. Transactions of the American Mathematical Society, 1983, 277, 739-763.	0.9	72
89	Linkage and the Koszul Homology of Ideals. American Journal of Mathematics, 1982, 104, 1043.	1.1	119
90	The theory of d-sequences and powers of ideals. Advances in Mathematics, 1982, 46, 249-279.	1.1	146

#	ARTICLE	IF	CITATIONS
91	On the finite generation of symbolic blow-ups. <i>Mathematische Zeitschrift</i> , 1982, 179, 465-472.	0.9	40
92	Powers of ideals generated by weak d-sequences. <i>Journal of Algebra</i> , 1981, 68, 471-509.	0.7	26
93	Almost complete intersections and factorial rings. <i>Journal of Algebra</i> , 1981, 71, 179-188.	0.7	7
94	Symbolic powers of prime ideals and special graded algebras. <i>Communications in Algebra</i> , 1981, 9, 339-366.	0.6	35
95	The arithmetic perfection of Buchsbaum-Eisenbud varieties and generic modules of projective dimension two. <i>Transactions of the American Mathematical Society</i> , 1981, 265, 211-211.	0.9	9
96	On the symmetric and Rees algebra of an ideal generated by a d-sequence. <i>Journal of Algebra</i> , 1980, 62, 268-275.	0.7	116