Michel Van den Bergh

List of Publications by Year
in descending order

110 papers	3,170 citations	186265 28 h-index	175258 52 g-index
110 all docs	110 docs citations	110 times ranked	608 citing authors

#	Article	IF	Citations
1	The Bˆž-Structure on the Derived Endomorphism Algebra of the Unit in a Monoidal Category. International Mathematics Research Notices, 2023, 2023, 1690-1729.	1.0	3
2	On the noncommutative Bondal–Orlov conjecture for some toric varieties. Mathematische Zeitschrift, 2022, 300, 1055-1068.	0.9	0
3	Perverse schobers and GKZ systems. Advances in Mathematics, 2022, 402, 108307.	1.1	1
4	Freely adjoining monoidal duals. Mathematical Structures in Computer Science, 2021, 31, 748-768.	0.6	2
5	Tilting Bundles on Hypertoric Varieties. International Mathematics Research Notices, 2021, 2021, 1034-1042.	1.0	1
6	Semi-orthogonal decompositions of GIT quotient stacks. Selecta Mathematica, New Series, 2021, 27, 1.	1.0	3
7	t-structures and twisted complexes on derived injectives. Advances in Mathematics, 2021, 387, 107826.	1.1	2
8	Non-Commutative Crepant Resolutions for Some Toric Singularities I. International Mathematics Research Notices, 2020, 2020, 8120-8138.	1.0	3
9	Motivic concentration theorem. Mathematical Research Letters, 2020, 27, 565-589.	0.5	1
10	Non-commutative crepant resolutions for some toric singularities. II. Journal of Noncommutative Geometry, 2020, 14, 73-103.	0.5	2
11	Semiorthogonal decompositions of the categories of equivariant coherent sheaves for some reflection groups. Journal of the European Mathematical Society, 2019, 21, 2653-2749.	1.4	6
12	A non-commutative Bertini theorem. Journal of Noncommutative Geometry, 2019, 13, 609-616.	0.5	1
13	An example of a non-Fourier–Mukai functor between derived categories of coherent sheaves. Inventiones Mathematicae, 2019, 216, 927-1004.	2.5	9
14	The Frobenius morphism in invariant theory. Advances in Mathematics, 2019, 348, 183-254.	1.1	5
15	The Gysin triangle via localization and $?Â^1$-homotopy invariance. Transactions of the American Mathematical Society, 2018, 370, 421-446.	0.9	5
16	Interactions between Algebraic Geometry and Noncommutative Algebra. Oberwolfach Reports, 2018, 15, 1465-1515.	0.0	0
17	Additive invariants of orbifolds. Geometry and Topology, 2018, 22, 3003-3048.	1.3	7
18	Non-commutative resolutions of quotient singularities for reductive groups. Inventiones Mathematicae, 2017, 210, 3-67.	2.5	28

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19	The Manin Hopf algebra of a Koszul Artin–Schelter regular algebra is quasi-hereditary. Advances in Mathematics, 2017, 305, 601-660.	1.1	11
20	Comparing the commutative and non-commutative resolutions for determinantal varieties of skew symmetric and symmetric matrices. Advances in Mathematics, 2017, 317, 350-370.	1.1	0
21	The representation theory of non-commutative $\mathcal O(GL_2)$. Journal of Noncommutative Geometry, 2017, 11, 845-885.	0.5	2
22	Noncommutative versions of some classical birational transformations. Journal of Noncommutative Geometry, 2016, 10, 221-244.	0.5	1
23	Non-commutative Desingularization of Determinantal Varieties, II: Arbitrary Minors. International Mathematics Research Notices, 2016, 2016, 2748-2812.	1.0	9
24	Noncommutative motives of separable algebras. Advances in Mathematics, 2016, 303, 1122-1161.	1.1	6
25	Explicit models for some stable categories of maximal Cohen–Macaulay modules. Mathematical Research Letters, 2016, 23, 1507-1526.	0.5	6
26	On the derived category of Grassmannians in arbitrary characteristic. Compositio Mathematica, 2015, 151, 1242-1264.	0.8	15
27	Calabi-Yau algebras and superpotentials. Selecta Mathematica, New Series, 2015, 21, 555-603.	1.0	53
28	Scalar extensions of derived categories and non-Fourier–Mukai functors. Advances in Mathematics, 2015, 281, 1100-1144.	1.1	3
29	Noncommutative motives of Azumaya algebras. Journal of the Institute of Mathematics of Jussieu, 2015, 14, 379-403.	0.7	20
30	Representations of non-commutative quantum groups. Proceedings of the London Mathematical Society, 2015, 110, 57-82.	1.3	7
31	On Involutivity of p-Support. International Mathematics Research Notices, 2015, 2015, 6295-6304.	1.0	3
32	Some New Examples of Nondegenerate Quiver Potentials. International Mathematics Research Notices, 2013, 2013, 4672-4686.	1.0	3
33	On compact generation of deformed schemes. Advances in Mathematics, 2013, 244, 441-464.	1.1	1
34	Noncommutative quadric surfaces. Journal of Noncommutative Geometry, 2013, 7, 817-856.	0.5	25
35	Non-commutative $\mathbb{P}^{1}$-bundles over commutative schemes. Transactions of the American Mathematical Society, 2012, 364, 6279-6313.	0.9	18
36	Căldăraru's conjecture and Tsygan's formality. Annals of Mathematics, 2012, 176, 865-923.	4.2	9

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37	On two examples by Iyama and Yoshino. Compositio Mathematica, 2011, 147, 591-612.	0.8	55
38	Deformed Calabiâ€"Yau completions. Journal Fur Die Reine Und Angewandte Mathematik, 2011, 2011, .	0.9	41
39	A Hochschild cohomology comparison theorem for prestacks. Transactions of the American Mathematical Society, 2011, 363, 969-969.	0.9	8
40	Non-commutative desingularization ofÂdeterminantal varieties I. Inventiones Mathematicae, 2010, 182, 47-115.	2.5	19
41	A degree inequality for Lie algebras with a regular Poisson semi-center. Journal of Algebra, 2010, 323, 305-322.	0.7	22
42	Hochschild cohomology and Atiyah classes. Advances in Mathematics, 2010, 224, 1839-1889.	1.1	53
43	The Kontsevich Weight of a Wheel with Spokes Pointing Outward. Algebras and Representation Theory, 2009, 12, 443-479.	0.7	11
44	Double Poisson algebras. Transactions of the American Mathematical Society, 2008, 360, 5711-5769.	0.9	112
45	Interactions between Algebraic Geometry and Noncommutative Algebra. Oberwolfach Reports, 2007, 3, 1319-1384.	0.0	0
46	On global deformation quantization in the algebraic case. Journal of Algebra, 2007, 315, 326-395.	0.7	26
47	On incidence between strata of the Hilbert scheme of points on $$\mathbb{P}^{2}$$. Mathematische Zeitschrift, 2007, 255, 897-922.	0.9	1
48	Fourier-Mukai transforms. , 2007, , 147-178.		21
49	Deformation theory of abelian categories. Transactions of the American Mathematical Society, 2006, 358, 5441-5484.	0.9	59
50	Ideal classes of three dimensional Artinâ€"Schelter regular algebras. Journal of Algebra, 2005, 283, 399-429.	0.7	12
51	Hochschild cohomology of abelian categories and ringed spaces. Advances in Mathematics, 2005, 198, 172-221.	1.1	63
52	Absolutely indecomposable representations and Kac-Moody Lie algebras. Inventiones Mathematicae, 2004, 155, 537-559.	2.5	48
53	Ideal classes of three-dimensional Sklyanin algebras. Journal of Algebra, 2004, 276, 515-551.	0.7	26
54	Three-dimensional flops and noncommutative rings. Duke Mathematical Journal, 2004, 122, 423.	1.5	146

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55	Non-commutative Crepant Resolutions. , 2004, , 749-770.		116
56	ON THE STRUCTURE OF NON-COMMUTATIVE REGULAR LOCAL RINGS OF DIMENSION TWO. Communications in Algebra, 2002, 30, 4575-4588.	0.6	1
57	Erratum to â€œA relation between Hochschild homology and cohomology for Gorenstein ringsâ€. Proceedings of the American Mathematical Society, 2002, 130, 2809-2810.	0.8	36
58	Noetherian hereditary abelian categories satisfying Serre duality. Journal of the American Mathematical Society, 2002, 15, 295-366.	3.9	223
59	Semi-invariants of quivers for arbitrary dimension vectors. Indagationes Mathematicae, 2001, 12, 125-138.	0.4	68
60	Grothendieck Groups and Tilting Objects. , 2001, 4, 1-23.		12
61	A relation between a conjecture of Kac and the structure of the Hall algebra. Journal of Pure and Applied Algebra, 2001, 160, 319-332.	0.6	41
62	Blowing up of non-commutative smooth surfaces. Memoirs of the American Mathematical Society, 2001, 154, 0-0.	0.9	42
63	The Gelfandâ€"Kirillov Conjecture for Lie Algebras of Dimension at Most Eight. Journal of Algebra, 2000, 227, 549-581.	0.7	13
64	On the Number of Absolutely Indecomposable Representations of a Quiver. Journal of Algebra, 1999, 221, 29-49.	0.7	2
65	On the Double of the Hall Algebra of a Quiver. Journal of Algebra, 1999, 221, 135-160.	0.7	40
66	Local Cohomology of Modules of Covariants. Advances in Mathematics, 1999, 144, 161-220.	1.1	8
67	Abstract blowing down. Proceedings of the American Mathematical Society, 1999, 128, 375-381.	0.8	5
68	Normalizing Extensions of the Two-Veronese of a Three Dimensional Artinâ€"Schelter Regular Algebra on Two Generators. Journal of Algebra, 1998, 205, 368-390.	0.7	3
69	Semigroups ofl-Type. Journal of Algebra, 1998, 206, 97-112.	0.7	166
70	A relation between Hochschild homology and cohomology for Gorenstein rings. Proceedings of the American Mathematical Society, 1998, 126, 1345-1348.	0.8	128
71	Simplicity of Rings of Differential Operators in Prime Characteristic. Proceedings of the London Mathematical Society, 1997, 75, 32-62.	1.3	84
72	Existence Theorems for Dualizing Complexes over Non-commutative Graded and Filtered Rings. Journal of Algebra, 1997, 195, 662-679.	0.7	157

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73	Graded Modules of Gelfandâ€"Kirillov Dimension One over Three-Dimensional Artinâ€"Schelter Regular Algebras. Journal of Algebra, 1997, 196, 251-282.	0.7	15
74	A class of counterexamples to the Gelâ€™fand-Kirillov conjecture. Transactions of the American Mathematical Society, 1996, 348, 1709-1716.	0.9	26
75	Homological properties of Sklyanin algebras. Inventiones Mathematicae, 1996, 124, 619-648.	2.5	77
76	Central extensions of three dimensional Artin-Schelter regular algebras. Mathematische Zeitschrift, 1996, 222, 171-212.	0.9	43
77	A Translation Principle for the Four-Dimensional Sklyanin Algebras. Journal of Algebra, 1996, 184, 435-490.	0.7	40
78	Some rings of differential operators for Sl2-invariants are simple. Journal of Pure and Applied Algebra, 1996, 107, 309-335.	0.6	8
79	Central extensions of three dimensional Artinâ€"Schelter regular algebras. Mathematische Zeitschrift, 1996, 222, 171-212.	0.9	13
80	Noncommutative homology of some three-dimensional quantum spaces. K-theory, 1994, 8, 213-230.	0.5	43
81	A Converse to Stanley's Conjecture for Sl 2. Proceedings of the American Mathematical Society, 1994, 121, 47.	0.8	3
82	A converse to Stanleyâ€™s conjecture for ??â‚„. Proceedings of the American Mathematical Society, 1994, 121, 47-51.	0.8	2
83	Division algebra coproducts of index n. Transactions of the American Mathematical Society, 1994, 341, 505-517.	0.9	5
84	Cohen-Macaulayness of Semi-Invariants for Tori. Transactions of the American Mathematical Society, 1993, 336, 557.	0.9	6
85	On quantum spaces of Lie algebras. Proceedings of the American Mathematical Society, 1993, 119, 407-414.	0.8	18
86	Cohen-Macaulayness of semi-invariants for tori. Transactions of the American Mathematical Society, 1993, 336, 557-580.	0.9	10
87	On schur rings of group rings of finite groups. Communications in Algebra, 1992, 20, 2139-2152.	0.6	6
88	The index of a Brauer class on a Brauer-Severi variety. Transactions of the American Mathematical Society, 1992, 333, 729-739.	0.9	51
89	Cohen-Macaulayness of modules of invariants for SL2. Journal of Algebra, 1991, 142, 273-284.	0.7	0
90	Algebraic properties of linear cellular automata. Linear Algebra and Its Applications, 1991, 157, 217-234.	0.9	13

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91	Explicit rational forms for the Poincaré series of the trace rings of generic matrices. Israel Journal of Mathematics, 1991, 73, 17-31.	0.8	10
92	Modules over regular algebras of dimension 3. Inventiones Mathematicae, 1991, 106, 335-388.	2.5	247
93	Cohen-Macaulayness of modules of covariants. Inventiones Mathematicae, 1991, 106, 389-409.	2.5	13
94	Note on theK0 of rings with Zariskian filtration. K-theory, 1990, 3, 603-606.	0.5	2
95	Twisted homogeneous coordinate rings. Journal of Algebra, 1990, 133, 249-271.	0.7	119
96	Global dimension and regularity of rees rings for non-zariskian filtrations. Communications in Algebra, 1990, 18, 3195-3208.	0.6	8
97	A new algebraic approach to microlocalization of filtered rings. Transactions of the American Mathematical Society, 1989, 316, 537-553.	0.9	40
98	Separable functors applied to graded rings. Journal of Algebra, 1989, 123, 397-413.	0.7	114
99	The center of the generic division algebra. Journal of Algebra, 1989, 127, 106-126.	0.7	7
100	Trace Rings of Generic Matrices are Cohen-Macaulay. Journal of the American Mathematical Society, 1989, 2, 775.	3.9	5
101	Trace rings of generic matrices are Cohen-Macaulay. Journal of the American Mathematical Society, 1989, 2, 775-799.	3.9	10
102	Regularity of trace rings of generic matrices. Journal of Algebra, 1988, 117, 19-29.	0.7	9
103	Group rings over Dedekind rings. Israel Journal of Mathematics, 1988, 61, 295-300.	0.8	0
104	Linearisations of binary and ternary forms. Journal of Algebra, 1987, 109, 172-183.	0.7	17
105	A note on graded k-theory. Communications in Algebra, 1986, 14, 1561-1564.	0.6	6
106	Algebraic elements in division algebras over function fields of curves. Israel Journal of Mathematics, 1985, 52, 33-45.	0.8	13
107	On a theorem of Cohen and Montgomery. Proceedings of the American Mathematical Society, 1985, 94, 562-562.	0.8	5
108	Generalized crossed products applied to maximal orders, Brauer groups and related exact sequences. Journal of Pure and Applied Algebra, 1984, 33, 123-149.	0.6	10

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109	A duality theorem for orders in central simple algebras over function fields. Journal of Pure and Applied Algebra, 1984, 31, 227-239.	0.6	8
110	Noncommutative Quadrics. International Mathematics Research Notices, 0, , .	1.0	9