

Chongying Dong

List of Publications by Year in descending order

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85
papers

3,446
citations

136950

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168389

53
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89
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89
docs citations

89
times ranked

256
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Generalized Vertex Algebras and Relative Vertex Operators. , 1993, , . | | 271 |
| 2 | Modular-Invariance of Trace Functions in Orbifold Theory and Generalized Moonshine. Communications in Mathematical Physics, 2000, 214, 1-56. | 2.2 | 258 |
| 3 | Twisted representations of vertex operator algebras. Mathematische Annalen, 1998, 310, 571-600. | 1.4 | 235 |
| 4 | Regularity of Rational Vertex Operator Algebras. Advances in Mathematics, 1997, 132, 148-166. | 1.1 | 181 |
| 5 | On quantum Galois theory. Duke Mathematical Journal, 1997, 86, 305. | 1.5 | 179 |
| 6 | Rationality, regularity, and C_2 -cofiniteness. Transactions of the American Mathematical Society, 2003, 356, 3391-3402. | 0.9 | 111 |
| 7 | Framed Vertex Operator Algebras, Codes and the Moonshine Module. Communications in Mathematical Physics, 1998, 193, 407-448. | 2.2 | 101 |
| 8 | Simple currents and extensions of vertex operator algebras. Communications in Mathematical Physics, 1996, 180, 671-707. | 2.2 | 91 |
| 9 | Vertex Operator Algebras and Associative Algebras. Journal of Algebra, 1998, 206, 67-96. | 0.7 | 86 |
| 10 | Rational vertex operator algebras and the effective central charge. International Mathematics Research Notices, 2004, 2004, 2989. | 1.0 | 85 |
| 11 | The algebraic structure of relative twisted vertex operators. Journal of Pure and Applied Algebra, 1996, 110, 259-295. | 0.6 | 83 |
| 12 | W -Algebra $W(2, 2)$ and the Vertex Operator Algebra $L(\frac{1}{2}, 0) \otimes L(\frac{1}{2}, 0)$. Communications in Mathematical Physics, 2009, 285, 991-1004. | 2.2 | 83 |
| 13 | Title is missing!. International Mathematics Research Notices, 1996, 1996, 913. | 1.0 | 67 |
| 14 | Fusion Rules for the Vertex Operator Algebras $M(1)_+$ and $V+L$. Communications in Mathematical Physics, 2005, 253, 171-219. | 2.2 | 55 |
| 15 | Rank One Lattice Type Vertex Operator Algebras and Their Automorphism Groups. Journal of Algebra, 1998, 208, 262-275. | 0.7 | 54 |
| 16 | Congruence property in conformal field theory. Algebra and Number Theory, 2015, 9, 2121-2166. | 0.6 | 54 |
| 17 | Quantum dimensions and quantum Galois theory. Transactions of the American Mathematical Society, 2013, 365, 6441-6469. | 0.9 | 53 |
| 18 | Representations of Vertex Operator Algebra $V+L$ for Rank One Lattice L . Communications in Mathematical Physics, 1999, 202, 169-195. | 2.2 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Twisted Sectors for Tensor Product Vertex Operator Algebras Associated to Permutation Groups. Communications in Mathematical Physics, 2002, 227, 349-384. | 2.2 | 48 |
| 20 | Holomorphic vertex operator algebras of small central charge. Pacific Journal of Mathematics, 2004, 213, 253-266. | 0.5 | 48 |
| 21 | W-algebras related to parafermion algebras. Journal of Algebra, 2009, 322, 2366-2403. | 0.7 | 45 |
| 22 | Classification of Irreducible Modules for the Vertex Operator Algebra $M(1)_+$. Journal of Algebra, 1999, 216, 384-404. | 0.7 | 44 |
| 23 | Vertex Operator Algebras Associated to Admissible Representations of $\hat{\mathfrak{sl}}_2$. Communications in Mathematical Physics, 1997, 184, 65-93. | 2.2 | 43 |
| 24 | Title is missing!. International Mathematics Research Notices, 1998, 1998, 389. | 1.0 | 43 |
| 25 | On orbifold theory. Advances in Mathematics, 2017, 321, 1-30. | 1.1 | 43 |
| 26 | Classification of irreducible modules for the vertex operator algebra VL_+ : general case. Journal of Algebra, 2004, 273, 657-685. | 0.7 | 39 |
| 27 | The structure of parafermion vertex operator algebras. Journal of Algebra, 2010, 323, 371-381. | 0.7 | 39 |
| 28 | Nonabelian orbifolds and the boson-fermion correspondence. Communications in Mathematical Physics, 1994, 163, 523-559. | 2.2 | 37 |
| 29 | Modularity in Orbifold Theory for Vertex Operator Superalgebras. Communications in Mathematical Physics, 2005, 260, 227-256. | 2.2 | 36 |
| 30 | Unitary vertex operator algebras. Journal of Algebra, 2014, 397, 252-277. | 0.7 | 36 |
| 31 | Vertex operator algebras, generalized doubles and dual pairs. Mathematische Zeitschrift, 2002, 241, 397-423. | 0.9 | 34 |
| 32 | The Structure of Parafermion Vertex Operator Algebras: General Case. Communications in Mathematical Physics, 2010, 299, 783-792. | 2.2 | 31 |
| 33 | Induced modules for vertex operator algebras. Communications in Mathematical Physics, 1996, 179, 157-183. | 2.2 | 28 |
| 34 | Conformal nets associated with lattices and their orbifolds. Advances in Mathematics, 2006, 206, 279-306. | 1.1 | 27 |
| 35 | TWISTED REPRESENTATIONS OF VERTEX OPERATOR SUPERALGEBRAS. Communications in Contemporary Mathematics, 2006, 08, 101-121. | 1.2 | 26 |
| 36 | On C_2 -cofiniteness of parafermion vertex operator algebras. Journal of Algebra, 2011, 328, 420-431. | 0.5 | 26 |

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|----|---|-----|-----------|
| 37 | The irreducible modules and fusion rules for the parafermion vertex operator algebras. Transactions of the American Mathematical Society, 2018, 370, 5963-5981. | 0.9 | 26 |
| 38 | Representations of a class of lattice type vertex algebras. Journal of Pure and Applied Algebra, 2002, 176, 27-47. | 0.6 | 25 |
| 39 | Classification of Irreducible Modules for the Vertex Operator Algebra $M(1)_+$. Journal of Algebra, 2001, 240, 289-325. | 0.7 | 24 |
| 40 | Integral forms in vertex operator algebras which are invariant under finite groups. Journal of Algebra, 2012, 365, 184-198. | 0.7 | 24 |
| 41 | Quantum dimensions and fusion rules for parafermion vertex operator algebras. Proceedings of the American Mathematical Society, 2015, 144, 1483-1492. | 0.8 | 21 |
| 42 | Representations of the parafermion vertex operator algebras. Advances in Mathematics, 2017, 315, 88-101. | 1.1 | 20 |
| 43 | Shifted vertex operator algebras. Mathematical Proceedings of the Cambridge Philosophical Society, 2006, 141, 67. | 0.4 | 19 |
| 44 | Title is missing!. International Mathematics Research Notices, 2001, 2001, 409. | 1.0 | 17 |
| 45 | Bimodules associated to vertex operator algebras. Mathematische Zeitschrift, 2008, 259, 799-826. | 0.9 | 17 |
| 46 | Representations of vertex operator algebras over an arbitrary field. Journal of Algebra, 2014, 403, 497-516. | 0.7 | 16 |
| 47 | \hat{a}_3 symmetry and W_3 algebra in lattice vertex operator algebras. Pacific Journal of Mathematics, 2004, 215, 245-296. | 0.5 | 16 |
| 48 | Some finite properties for vertex operator superalgebras. Pacific Journal of Mathematics, 2012, 258, 269-290. | 0.5 | 16 |
| 49 | Automorphism groups and derivation algebras of finitely generated vertex operator algebras. Michigan Mathematical Journal, 2002, 50, 227. | 0.4 | 15 |
| 50 | Rationality of vertex operator algebra $V_{L \oplus L} : \text{higher rank}$. Proceedings of the London Mathematical Society, 2012, 104, 799-826. | 1.3 | 15 |
| 51 | Certain Associative Algebras Similar to $U(\mathfrak{sl}_2)$ and Zhu's Algebra $A(VL)$. Journal of Algebra, 1997, 196, 532-551. | 0.7 | 14 |
| 52 | A Characterization of Vertex Operator Algebra $L(\mathfrak{sl}_2, 0) \otimes L(\mathfrak{sl}_2, 0)$. Communications in Mathematical Physics, 2010, 296, 69-88. | 2.2 | 14 |
| 53 | Vertex operator algebras associated to the Virasoro algebra over an arbitrary field. Transactions of the American Mathematical Society, 2015, 368, 5177-5196. | 0.9 | 14 |
| 54 | \mathbb{Z} -Graded Weak Modules and Regularity. Communications in Mathematical Physics, 2012, 316, 269-277. | 2.2 | 13 |

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|----|--|-----|-----------|
| 55 | Representations of the vertex operator algebra $V_{\mathbb{Z} \oplus \mathbb{Z}}$. Journal of Algebra, 2013, 377, 76-96. | 0.7 | 13 |
| 56 | Uniqueness results for the moonshine vertex operator algebra. American Journal of Mathematics, 2007, 129, 583-609. | 1.1 | 11 |
| 57 | A characterization of the rational vertex operator algebra $V_{\mathbb{Z} \oplus \mathbb{Z}}$. Advances in Mathematics, 2013, 247, 41-70. | 1.1 | 11 |
| 58 | Rank One Lattice Type Vertex Operator Algebras and Their Automorphism Groups II. E-Series. Journal of Algebra, 1999, 217, 701-710. | 0.7 | 10 |
| 59 | Parafermion vertex operator algebras. Frontiers of Mathematics in China, 2011, 6, 567-579. | 0.7 | 10 |
| 60 | An orbifold theory of genus zero associated to the sporadic group M_{24} . Communications in Mathematical Physics, 1994, 164, 87-104. | 2.2 | 9 |
| 61 | On classification of rational vertex operator algebras with central charges less than 1. Journal of Algebra, 2008, 320, 86-93. | 0.7 | 9 |
| 62 | On Rationality of Vertex Operator Superalgebras. International Mathematics Research Notices, 2014, 2014, 4379-4399. | 1.0 | 9 |
| 63 | Elliptic Genus and Vertex Operator Algebras. Pure and Applied Mathematics Quarterly, 2005, 1, 791-815. | 0.4 | 9 |
| 64 | Rational vertex operator algebras are finitely generated. Journal of Algebra, 2008, 320, 2610-2614. | 0.7 | 8 |
| 65 | The 3-permutation orbifold of a lattice vertex operator algebra. Journal of Pure and Applied Algebra, 2018, 222, 1316-1336. | 0.6 | 8 |
| 66 | Hopf actions on vertex operator algebras. Journal of Algebra, 2018, 514, 310-329. | 0.7 | 8 |
| 67 | Bimodules and g -rationality of vertex operator algebras. Transactions of the American Mathematical Society, 2008, 360, 4235-4262. | 0.9 | 8 |
| 68 | Mirror Extensions of Vertex Operator Algebras. Communications in Mathematical Physics, 2014, 329, 263-294. | 2.2 | 7 |
| 69 | 2-cyclic permutations of lattice vertex operator algebras. Proceedings of the American Mathematical Society, 2015, 144, 3207-3220. | 0.8 | 7 |
| 70 | 2-Permutations of lattice vertex operator algebras: Higher rank. Journal of Algebra, 2017, 476, 1-25. | 0.7 | 7 |
| 71 | The Extensions of $L_{\mathbb{Z} \oplus \mathbb{Z}}(k, 0)$ and Preunitary Vertex Operator Algebras with Central Charges $c \leq 1$. Communications in Mathematical Physics, 2015, 340, 613-637. | 2.2 | 5 |
| 72 | Congruence property in orbifold theory. Proceedings of the American Mathematical Society, 2018, 146, 497-506. | 0.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Fusion rules for the vertex operator algebra $V_{\sqrt{2}D_4}$. Journal of Algebra, 2015, 423, 476-505. | 0.7 | 4 |
| 74 | DECOMPOSITION OF THE VERTEX OPERATOR ALGEBRA $V_{\sqrt{2}D_4}$. Communications in Contemporary Mathematics, 2001, 03, 137-151. | 1.2 | 3 |
| 75 | Local and semilocal vertex operator algebras. Journal of Algebra, 2004, 280, 350-366. | 0.7 | 3 |
| 76 | A characterization of vertex operator algebras $V_{\hat{A}_1}$: I. Journal Fur Die Reine Und Angewandte Mathematik, 2015, 2015, 51-79. | 0.9 | 3 |
| 77 | Lattice-integrality of certain group-invariant integral forms in vertex operator algebras. Journal of Algebra, 2017, 474, 505-516. | 0.7 | 3 |
| 78 | Trace functions of the parafermion vertex operator algebras. Advances in Mathematics, 2019, 348, 1-17. | 1.1 | 3 |
| 79 | Determinants for integral forms in lattice type vertex operator algebras. Journal of Algebra, 2020, 558, 327-335. | 0.7 | 2 |
| 80 | S-matrix in orbifold theory. Journal of Algebra, 2021, 568, 139-159. | 0.7 | 2 |
| 81 | A Characterization of the Vertex Operator Algebra $V_{L_2}^{A_4}$. Contributions in Mathematical and Computational Sciences, 2014, , 55-74. | 0.3 | 2 |
| 82 | Super orbifold theory. Advances in Mathematics, 2022, 405, 108481. | 1.1 | 2 |
| 83 | Some exceptional extensions of Virasoro vertex operator algebras. Journal of Algebra, 2020, 546, 370-389. | 0.7 | 1 |
| 84 | Permutation orbifolds and associative algebras. Science China Mathematics, 0, , 1. | 1.7 | 1 |
| 85 | Vertex operator superalgebras and the 16-fold way. Transactions of the American Mathematical Society, 0, , . | 0.9 | 0 |