

David de Laat

List of Publications by Year in descending order

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11
papers

111
citations

1478505

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1372567

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11
all docs

11
docs citations

11
times ranked

93
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | High-dimensional sphere packing and the modular bootstrap. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 4.7 | 26 |
| 2 | Upper bounds for packings of spheres of several radii. <i>Forum of Mathematics, Sigma</i> , 2014, 2, . | 0.7 | 20 |
| 3 | Matrices with high completely positive semidefinite rank. <i>Linear Algebra and Its Applications</i> , 2017, 513, 122-148. | 0.9 | 16 |
| 4 | A semidefinite programming hierarchy for packing problems in discrete geometry. <i>Mathematical Programming</i> , 2015, 151, 529-553. | 2.4 | 15 |
| 5 | Lower Bounds on Matrix Factorization Ranks via Noncommutative Polynomial Optimization. <i>Foundations of Computational Mathematics</i> , 2019, 19, 1013-1070. | 2.5 | 13 |
| 6 | Bounds on entanglement dimensions and quantum graph parameters via noncommutative polynomial optimization. <i>Mathematical Programming</i> , 2018, 170, 5-42. | 2.4 | 9 |
| 7 | Fourier Analysis on Finite Groups and the Lovász Ĩ-Number of Cayley Graphs. <i>Experimental Mathematics</i> , 2014, 23, 146-152. | 0.7 | 3 |
| 8 | Exact Semidefinite Programming Bounds for Packing Problems. <i>SIAM Journal on Optimization</i> , 2021, 31, 1433-1458. | 2.0 | 3 |
| 9 | k-Point semidefinite programming bounds for equiangular lines. <i>Mathematical Programming</i> , 2022, 194, 533-567. | 2.4 | 3 |
| 10 | Moment methods in energy minimization: New bounds for Riesz minimal energy problems. <i>Transactions of the American Mathematical Society</i> , 2019, 373, 1407-1453. | 0.9 | 2 |
| 11 | Primes in arithmetic progressions and semidefinite programming. <i>Mathematics of Computation</i> , 2021, 90, 2235-2246. | 2.1 | 1 |