# Clifford V Johnson

List of Publications by Year
in descending order



| 128 | 5,910 | 94433 37 | 74163 75 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 132 | 132 | 132 | 1485 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Explorations of nonperturbative Jackiw-Teitelboim gravity and supergravity. Physical Review D, 2021, 103, . | 4.7 | 34 |
| 2 | Jackiw-Teitelboim supergravity, minimal strings, and matrix models. Physical Review D, 2021, 103, . | 4.7 | 34 |
| 3 | Solving puzzles in deformed JT gravity: phase transitions and non-perturbative effects. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 18 |
| 4 | Jackiw-Teitelboim supergravity as a double-cut matrix model. Physical Review D, 2021, 104, . | 4.7 | 15 |
| 5 | Quantum Gravity Microstates from Fredholm Determinants. Physical Review Letters, 2021, 127, 181602. | 7.8 | 16 |
| 6 | Nonperturbative Jackiw-Teitelboim gravity. Physical Review D, 2020, 101, . | 4.7 | 50 |
| 7 | Instability of super-entropic black holes in extended thermodynamics. Modern Physics Letters A, 2020, 35, 2050098. | 1.2 | 21 |
| 8 | Holographic heat engines as quantum heat engines. Classical and Quantum Gravity, 2020, 37, 034001. | 4.0 | 8 |
| 9 | Specific heats and Schottky peaks for black holes in extended thermodynamics. Classical and Quantum Gravity, 2020, 37, 054003. | 4.0 | 21 |
| 10 | Microscopic description of thermodynamic volume in extended black hole thermodynamics. Physical Review D, 2020, 101, . | 4.7 | 16 |
| 11 | Physical generalizations of the RÃ©nyi entropy. International Journal of Modern Physics D, 2019, 28, 1950091. | 2.1 | 5 |
| 12 | Holographic heat engines, entanglement entropy, and renormalization group flow. Classical and Quantum Gravity, 2019, 36, 015019. | 4.0 | 32 |
| 13 | Taubâ€“Bolt heat engines. Classical and Quantum Gravity, 2018, 35, 045001. | 4.0 | 26 |
| 14 | Exact model of the power-to-efficiency trade-off while approaching the Carnot limit. Physical Review D, 2018, 98, . | 4.7 | 18 |
| 15 | Critical black holes in a large charge limit. Modern Physics Letters A, 2018, 33, 1850175. | 1.2 | 7 |
| 16 | Benchmarking black hole heat engines, I. International Journal of Modern Physics D, 2018, 27, 1950012. | 2.1 | 21 |
| 17 | Benchmarking black hole heat engines, II. International Journal of Modern Physics D, 2018, 27, 1950006. | 2.1 | 13 |
| 18 | An Exact Efficiency Formula for Holographic Heat Engines. Entropy, 2016, 18, 120. | 2.2 | 63 |

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| 19 | Bornâ€“Infeld AdS black holes as heat engines. Classical and Quantum Gravity, 2016, 33, 135001. | 4.0 | 67 |
| 20 | Gaussâ€“Bonnet black holes and holographic heat engines beyond large N. Classical and Quantum Gravity, 2016, 33, 215009. | 4.0 | 62 |
| 21 | Entanglement entropy of magnetic electron stars. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 1 |
| 22 | Holographic heat engines. Classical and Quantum Gravity, 2014, 31, 205002. | 4.0 | 236 |
| 23 | The extended thermodynamic phase structure of Taubâ€“NUT and Taubâ€“Bolt. Classical and Quantum Gravity, 2014, 31, 225005. | 4.0 | 50 |
| 24 | Thermodynamic volumes for AdSâ€“Taubâ€“NUT and AdSâ€“Taubâ€“Bolt. Classical and Quantum Gravity, 2014, 31, 235003. | 4.0 | 57 |
| 25 | Large N phase transitions, finite volume, and entanglement entropy. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 53 |
| 26 | Holography, Fractionalization and Magnetic Fields. Lecture Notes in Physics, 2013, , 537-554. | 0.7 | 5 |
| 27 | Holographic studies of entanglement entropy in superconductors. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 75 |
| 28 | Holographic entanglement entropy and renormalization group flow. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 39 |
| 29 | String theory and water waves. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 015403. | 2.1 | 4 |
| 30 | Non-perturbative string theory from water waves. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 375401. | 2.1 | 3 |
| 31 | Dynamics of fundamental matter in $ mathcal{N} = 2* $ Yang-Mills theory. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 4 |
| 32 | Thermal dynamics of quarks and mesons $ mathcal{N} = {2^*} $ Yang-Mills theory. Journal of High Energy Physics, 2011, 2011, 1. | 4.7 | 2 |
| 33 | Evolution of holographic entanglement entropy after thermal and electromagnetic quenches. New Journal of Physics, 2011, 13, 045017. | 2.9 | 156 |
| 34 | What black holes teach about strongly coupled particles. Physics Today, 2010, 63, 29-33. | 0.3 | 27 |
| 35 | Landau levels, magnetic fields and holographic Fermi liquids. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 345404. | 2.1 | 11 |
| 36 | Holographic aspects of Fermi liquids in a background magnetic field. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 345405. | 2.1 | 9 |

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| 37 | Meson spectra and magnetic fields in the Sakai-Sugimoto model. Journal of High Energy Physics, 2009, 2009, 103-103. | 4.7 | 13 |
| 38 | Universal holographic chiral dynamics in an external magnetic field. Journal of High Energy Physics, 2009, 2009, 013-013. | 4.7 | 52 |
| 39 | Vortex and droplet engineering in a holographic superconductor. Physical Review D, 2009, 80, . | 4.7 | 62 |
| 40 | A holographic superconductor in an external magnetic field. Journal of High Energy Physics, 2008, 2008, 121-121. | 4.7 | 140 |
| 41 | Topology-changing first order phase transition and the dynamics of flavor. Physical Review D, 2008, 77, . | 4.7 | 37 |
| 42 | Universality in the largeN<sub>c</sub>dynamics of flavour: thermal vs. quantum induced phase transitions. Journal of High Energy Physics, 2008, 2008, 058-058. | 4.7 | 15 |
| 43 | Global R-currents and phase transitions in largeN<sub>c</sub>gauge theory. Journal of High Energy Physics, 2008, 2008, 033-033. | 4.7 | 17 |
| 44 | D-branes and fluxes in supersymmetric quantum mechanics. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 085401. | 2.1 | 3 |
| 45 | External fields and chiral symmetry breaking in the Sakai-Sugimoto model. Journal of High Energy Physics, 2008, 2008, 053-053. | 4.7 | 95 |
| 46 | Finite temperature largeNgauge theory with quarks in an external magnetic field. Journal of High Energy Physics, 2008, 2008, 080-080. | 4.7 | 82 |
| 47 | Quarks in an external electric field in finite temperature largeNgauge theory. Journal of High Energy Physics, 2008, 2008, 092-092. | 4.7 | 74 |
| 48 | Flavoured largeNgauge theory in an external magnetic field. Journal of High Energy Physics, 2007, 2007, 019-019. | 4.7 | 127 |
| 49 | BÃcklund transformations, D-branes and fluxes in minimal type 0 strings. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 12451-12462. | 2.1 | 7 |
| 50 | CURRENT TRENDS IN STRING THEORY. International Journal of Modern Physics A, 2005, 20, 2991-3006. | 1.5 | 0 |
| 51 | Operators with large quantum numbers, spinning strings, and giant gravitons. Physical Review D, 2005, 71, . | 4.7 | 10 |
| 52 | Unoriented Minimal Type 0 Strings. Journal of High Energy Physics, 2004, 2004, 073-073. | 4.7 | 1 |
| 53 | Tachyon Condensation, Open-Closed Duality, Resolvents, and Minimal Bosonic and Type 0 Strings. Journal of High Energy Physics, 2004, 2004, 072-072. | 4.7 | 5 |
| 54 | Wrapped D-branes as BPS monopoles: The moduli space perspective. Physical Review D, 2004, 69, . | 4.7 | 0 |

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| 56 | Non-Perturbative String Equations for Type 0A. Journal of High Energy Physics, 2004, 2004, 041-041. | 4.7 | 14 |
| 57 | Rotating black holes, closed timelike curves, thermodynamics, and the enhanÃ§on mechanism. Physical Review D, 2003, 67, . | 4.7 | 16 |
| 58 | A note on D-braneâ€“anti-D-brane interactions in plane wave backgrounds. Journal of High Energy Physics, 2003, 2003, 055-055. | 4.7 | 5 |
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| 60 | Clearing the Throat: Irrelevant Operators and Finite Temperature in LargeNGauge Theory. Journal of High Energy Physics, 2002, 2002, 002-002. | 4.7 | 6 |
| 61 | Oblate, Toroidal, and Other Shapes for the Enhancon. Journal of High Energy Physics, 2002, 2002, 019-019. | 4.7 | 7 |
| 62 | Penrose Limits, Deformed pp-Waves and the String Duals of Script N = 1 Large-NGauge Theory. Journal of High Energy Physics, 2002, 2002, 008-008. | 4.7 | 33 |
| 63 | A closer look at the world-sheet. , 2002, , 70-93. | | 0 |
| 64 | Overview and overture. , 2002, , 1-23. | | 0 |
| 65 | Relativistic strings. , 2002, , 24-69. | | 0 |
| 66 | Strings on circles and T-duality. , 2002, , 94-128. | | 0 |
| 67 | Background fields and world-volume actions. , 2002, , 129-140. | | 0 |
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| 80 | D-branes, gravity and gauge theory. , 2002, , 440-466. | | 0 |
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| 87 | The enhanÃ§on, black holes, and the second law. Physical Review D, 2001, 64, . | 4.7 | 41 |
| 88 | Higher dimensional Kerr-AdS black holes and the AdS/CFT correspondence. Physical Review D, 2001, 63, . | 4.7 | 44 |
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| 91 | Fractional branes and the entropy of 4D black holes. Journal of High Energy Physics, 2000, 2000, 039-039. | 4.7 | 29 |
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| 93 | Orientifolds, M theory, and theABCDâ€™s of the enhanÃ§on. Physical Review D, 2000, 62, . | 4.7 | 33 |
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| 101 | On second-quantized open superstring theory. Nuclear Physics B, 1999, 537, 144-160. | 2.5 | 6 |
| 102 | More superstrings from supergravity. Nuclear Physics B, 1999, 537, 129-143. | 2.5 | 7 |
| 103 | Superstrings from supergravity. Nuclear Physics B, 1999, 537, 109-128. | 2.5 | 5 |
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