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John Lott

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2. "The Yang-Mills Collective-Coordinate Potential", *Comm. Math. Phys.* 95, p. 289-300 (1984)
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6. "A Proof of the Axial Anomaly", *Comm. Math. Phys.* 97, p. 371-379 (1985)
7. "Eigenvalue Bounds for the Dirac Operator", *Pac. J. Math.* 125, p. 117-126 (1986)
8. "Bosonization in Curved Spacetime", *Phys. Lett. B* 173, p. 319-320 (1986)
9. "Renormalization Group Flow for General σ -Models", *Comm. Math. Phys.* 107, p. 165-176 (1986)
10. "Supersymmetric Path Integrals", *Comm. Math. Phys.* 108, p. 605-629 (1986)
11. "Real Anomalies", *J. Math. Phys.* 29, p. 1455-1464 (1988)
12. "Analytic Torsion for Group Actions", in *Recent Developments in Geometry (Los Angeles, 1987)*, *Cont. Math.* 101, AMS, Prov, RI, p. 179-189 (1989)
13. "Torsion Constraints in Supergeometry", *Comm. Math. Phys.* 133, p. 563-615 (1990)
14. "Particle Models and Noncommutative Geometry", with A. Connes, in *Recent Advances in Field Theory (Annecy-le-Vieux, 1990)*, *Nucl. Phys. B Proc. Suppl.* 18B (1990)

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18. “Heat Kernels on Covering Spaces and Topological Invariants”, *J. Diff. Geom.* 35, p. 471-510 (1992)
19. “Higher Eta-Invariants”, *K-Theory* 6, p. 191-233 (1992)
20. “Heat Kernels on Covering Spaces and Topological Invariants”, in *Proceedings of 1990 Summer Institute on Differential Geometry*, Proc. Symp. Pure Math. 54, Vol. 2, eds. R. Greene and S.T. Yau, Amer. Math. Soc., p. 391-400 (1993)
21. “Fibrés Plats, Images Directes et Formes de Torsion Analytique”, with J.-M. Bismut, *C. R. Acad. Sci. Paris*, t. 316, Série I, p. 477-482 (1993)
22. “Equivariant Analytic Torsion for Compact Lie Group Actions”, *J. of Funct. Anal.* 125, p. 438-451 (1994)
23. “ \mathbb{R}/\mathbb{Z} Index Theory”, *Comm. in Anal. and Geom.* 2, p. 279-311 (1994)
24. “ L^2 -Topological Invariants of 3-Manifolds”, with W. Lück, *Inventiones Math.* 120, p. 15-60 (1995)
25. “Flat Vector Bundles, Direct Images and Higher Real Analytic Torsion”, with J.-M. Bismut, *J. Amer. Math. Soc.* 8, p. 291-363 (1995)
26. “The Zero-in-the-Spectrum Question”, *L’Enseignement Mathématique* 42, p. 341-376 (1996)
27. “ L^2 -Cohomology of Geometrically Infinite Hyperbolic 3-Manifolds”, *Geom. Anal. and*

- Funct. Anal. 7, p. 81-119 (1997)
28. “Torus Bundles and the Group Cohomology of $SL(N, Z)$ ”, with J.-M. Bismut, J. of Diff. Geom. 47, p. 196-236 (1997)
29. “Eta and Torsion”, in Symétries Quantiques, Proceedings of the 1995 Les Houches Summer School in Theoretical Physics, North Holland, Amsterdam, p. 947-955 (1998)
30. “Remark about Heat Flow on Periodic Spaces”, Proc. of the Amer. Math. Soc. 127, p. 1243-1249 (1999)
31. “Deficiencies of Lattice Subgroups of Lie Groups”, Bull. London Math. Soc. 31, p. 191-195 (1999)
32. “Diffeomorphisms and Noncommutative Analytic Torsion”, Mem. of the Amer. Math. Soc. 141, no. 673, viii + 56 pp. (1999)
33. “Secondary Analytic Indices”, in Regulators in Analysis, Geometry and Number Theory, Birkhäuser Progress in Mathematics Series vol. 171, eds. A. Reznikov and N. Schappacher, Birkhäuser, Boston, p. 231-293 (2000)
34. “Delocalized L^2 -Invariants”, J. of Funct. Anal. 169, p. 1-31 (2000)
35. “Signatures and Higher Signatures of S^1 -Quotients”, Math. Annalen 316, p. 617-657 (2000)
36. “Manifolds with Quadratic Curvature Decay and Slow Volume Growth”, with Z. Shen, Annales Scientifiques de l’École Normale Supérieure (4) 33, p. 275-290 (2000)
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44. “Higher-Degree Analogs of the Determinant Line Bundle”, *Comm. Math. Phys.* 230, p. 41-69 (2002)
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46. “Local Index Theory over Étale Groupoids”, with A. Gorokhovsky, *J. Reine Angew. Math. (Crelle’s Journal)* 560, p. 151-198 (2003)
47. “Remark about the Spectrum of the p -Form Laplacian Under a Collapse with Curvature Bounded Below”, *Proc. of the AMS* 132, p. 911-918 (2003)
48. “Some Geometric Properties of the Bakry-Émery-Ricci Tensor”, *Comm. Math. Helv.* 78, p. 865-883 (2003)
49. “Limit Sets as Examples in Noncommutative Geometry”, *K-Theory* 34, p. 283-326 (2005)
50. “Local Index Theory over Foliation Groupoids”, with A. Gorokhovsky, *Advances in Mathematics* 204, p. 413-447 (2006)
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60. “Optimal Transport and Perelman’s Reduced Volume”, *Calc. Var. and Partial Differential Equations* 36, p. 49-84 (2009)

61. “An Index Theorem in Differential K-Theory”, with Dan Freed, *Geom. and Topology* 14, p. 903-966 (2010)

62. “Dimensional Reduction and the Long-Time Behavior of Ricci Flow”, *Comm. Math. Helv.* 85, p. 485-534

63. “Ricci Flow on Quasiprojective Manifolds”, with Zhou Zhang, *Duke Math. Journal* 156, p. 87-123 (2011)

64. “Mean Curvature Flow in a Ricci Flow Background”, *Comm. Math. Phys.* 313, p. 517-533 (2012)

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66. “Ricci Flow on Three-Dimensional Manifolds with Symmetry”, with Natasa Sesum, *Comm. Math. Helv.* 89, p. 1-32 (2014)

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68. “Locally Collapsed 3-manifolds”, with Bruce Kleiner, *Astérisque* 365, p. 7-99 (2014)

69. “Geometrization of Three-Dimensional Orbifolds via Ricci Flow”, with Bruce Kleiner, *Astérisque* 365, p. 101-177 (2014)

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75. “Singular Ricci Flows I”, with Bruce Kleiner, *Acta Math.* 219, p. 65-134 (2017)

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90. "On 3-Manifolds with Pointwise Pinched Nonnegative Ricci Curvature", *Math. Ann.* 388, p. 2787-2806 (2024)
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