# Peter M Topping

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| **31** papers | **669** citations | 623734 **14** h-index | 677142 **22** g-index |
| **33** all docs | **33** docs citations | **33** times ranked | **222** citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | On Type-I singularities in Ricci flow. Communications in Analysis and Geometry, 2011, 19, 905-922. | 0.4 | 67 |
| 2 | Mean curvature flow and geometric inequalities. Journal Fur Die Reine Und Angewandte Mathematik, 1998, 1998, 47-61. | 0.9 | 45 |
| 3 | Existence of Ricci Flows of Incomplete Surfaces. Communications in Partial Differential Equations, 2011, 36, 1860-1880. | 2.2 | 44 |
| 4 | Repulsion and quantization in almost-harmonic maps, and asymptotics of the harmonic map flow. Annals of Mathematics, 2004, 159, 465-534. | 4.2 | 34 |
| 5 | Ricci flow compactness via pseudolocality, and flows with incomplete initial metrics. Journal of the European Mathematical Society, 2010, 12, 1429-1451. | 1.4 | 34 |
| 6 | Almost-Schur lemma. Calculus of Variations and Partial Differential Equations, 2012, 43, 347-354. | 1.7 | 33 |
| 7 | Winding behaviour of finite-time singularities of the harmonic map heat flow *. Mathematische Zeitschrift, 2004, 247, 279-302. | 0.9 | 31 |
| 8 | Towards the Willmore conjecture. Calculus of Variations and Partial Differential Equations, 2000, 11, 361-393. | 1.7 | 27 |
| 9 | Ricci flow of negatively curved incomplete surfaces. Calculus of Variations and Partial Differential Equations, 2010, 38, 357-367. | 1.7 | 22 |
| 10 | Uniqueness of instantaneously complete Ricci flows. Geometry and Topology, 2015, 19, 1477-1492. | 1.3 | 19 |
| 11 | The isoperimetric inequality on a surface. Manuscripta Mathematica, 1999, 100, 23-33. | 0.6 | 18 |
| 12 | Asymptotics of the Teichmüller harmonic map flow. Advances in Mathematics, 2013, 244, 874-893. | 1.1 | 15 |
| 13 | Local mollification of Riemannian metrics using Ricci flow, and Ricci limit spaces. Geometry and Topology, 2021, 25, 913-948. | 1.3 | 15 |
| 14 | â„’-optimal transportation for Ricci flow. Journal Fur Die Reine Und Angewandte Mathematik, 2009, 2009, . | 0.9 | 14 |
| 15 | Ricci flows with unbounded curvature. Mathematische Zeitschrift, 2013, 273, 449-460. | 0.9 | 14 |
| 16 | Flowing maps to minimal surfaces. American Journal of Mathematics, 2016, 138, 1095-1115. | 1.1 | 14 |
| 17 | Teichmüller harmonic map flow into nonpositively curved targets. Journal of Differential Geometry, 2018, 108, . | 1.1 | 10 |
| 18 | Pyramid Ricci flow in higher dimensions. Mathematische Zeitschrift, 2020, 296, 511-523. | 0.9 | 9 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Remarks on Hamilton's Compactness Theorem for Ricci flow. Journal Fur Die Reine Und Angewandte Mathematik, 2014, 2014, . | 0.9 | 7 |
| 20 | Horizontal curves of hyperbolic metrics. Calculus of Variations and Partial Differential Equations, 2018, 57, 106. | 1.7 | 7 |
| 21 | A uniform Poincaré estimate for quadratic differentials on closed surfaces. Calculus of Variations and Partial Differential Equations, 2015, 53, 587-604. | 1.7 | 6 |
| 22 | Refined asymptotics of the Teichmüller harmonic map flow into general targets. Calculus of Variations and Partial Differential Equations, 2016, 55, 85. | 1.7 | 6 |
| 23 | Sharp Decay Estimates for the Logarithmic Fast Diffusion Equation and the Ricci Flow on Surfaces. Annals of PDE, 2017, 3, 6. | 1.8 | 6 |
| 24 | The canonical shrinking soliton associated to a Ricci flow. Calculus of Variations and Partial Differential Equations, 2012, 43, 173-184. | 1.7 | 4 |
| 25 | Ricci flows with bursts of unbounded curvature. Communications in Partial Differential Equations, 2016, 41, 854-876. | 2.2 | 4 |
| 26 | Global weak solutions of the Teichmüller harmonic map flow into general targets. Analysis and PDE, 2019, 12, 815-842. | 1.4 | 4 |
| 27 | Global regularity of three-dimensional Ricci limit spaces. Transactions of the American Mathematical Society Series B, 2022, 9, 345-370. | 1.1 | 4 |
| 28 | Ricci Flow and Ricci Limit Spaces. Lecture Notes in Mathematics, 2020, , 79-112. | 0.2 | 3 |
| 29 | Improved regularity of harmonic map flows with Hï¿½lder continuous energy. Calculus of Variations and Partial Differential Equations, 2004, 21, 47. | 1.7 | 2 |
| 30 | Rate of curvature decay for the contracting cusp Ricci flow. Communications in Analysis and Geometry, 2020, 28, 1221-1250. | 0.4 | 0 |
| 31 | Uniqueness and nonuniqueness of limits of Teichmüller harmonic map flow. Advances in Calculus of Variations, 2020, . | 1.2 | 0 |