# Shu-Cheng Chang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1066073/publications.pdf

Version: 2024-02-01

| 47 | 301 | 840776 | 996975 |
|---|---|---|---|
| papers | citations | 11 h-index | 15 g-index |

| 49 | 49 | 49 | 72 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vanishing theorem of Kohnâ€“Rossi cohomology class and rigidity of Sasakian space form. Pure and Applied Mathematics Quarterly, 2022, 18, 411-436. | 0.4 | 0 |
| 2 | $$C_0$$-positivity and a classification of closed three-dimensional CR torsion solitons. Mathematische Zeitschrift, 2020, 296, 1065-1080. | 0.9 | 0 |
| 3 | On Liâ€“Yau gradient estimate for sum of squares of vector fields up to higher step. Communications in Analysis and Geometry, 2020, 28, 565-606. | 0.4 | 0 |
| 4 | On the p-pseudoharmonic map heat flow. International Journal of Mathematics, 2020, 31, 2050104. | 0.5 | 0 |
| 5 | CR Sub-Laplacian Comparison and Liouville-Type Theorem in a Complete Noncompact Sasakian Manifold. Journal of Geometric Analysis, 2019, 29, 1676-1705. | 1.0 | 11 |
| 6 | On the Sharp Dimension Estimate of CR Holomorphic Functions in Sasakian Manifolds. International Mathematics Research Notices, 2019, , . | 1.0 | 1 |
| 7 | On the three-circle theorem and its applications in Sasakian manifolds. Calculus of Variations and Partial Differential Equations, 2019, 58, 1. | 1.7 | 2 |
| 8 | A CR Analogue of Yauâ€™s Conjecture on Pseudoharmonic Functions of Polynomial Growth. Canadian Journal of Mathematics, 2019, 71, 1367-1394. | 0.6 | 4 |
| 9 | On Three-Dimensional CR Yamabe Solitons. Journal of Geometric Analysis, 2018, 28, 335-359. | 1.0 | 4 |
| 10 | CR Liâ€“Yau gradient estimate for Witten Laplacian via Bakryâ€“Emery pseudohermitian Ricci curvature. Asian Journal of Mathematics, 2018, 22, 223-256. | 0.3 | 1 |
| 11 | On the CR analogue of Reilly formula and Yau eigenvalue conjecture. Asian Journal of Mathematics, 2018, 22, 919-940. | 0.3 | 2 |
| 12 | The 2017 ICCM Best Paper Awards. Notices of the International Congress of Chinese Mathematicians, 2018, 6, 7-30. | 0.0 | 0 |
| 13 | ICCM Newsletter, 2017. Notices of the International Congress of Chinese Mathematicians, 2018, 6, 2-6. | 0.0 | 0 |
| 14 | Liouville properties for ?-harmonic maps with finite ?-energy. Transactions of the American Mathematical Society, 2016, 368, 787-825. | 0.9 | 20 |
| 15 | An Optimal Gap Theorem in a Complete Strictly Pseudoconvex CR $$(2n+1)$$ ( 2 n + 1 ) -Manifold. Journal of Geometric Analysis, 2016, 26, 2425-2449. | 1.0 | 6 |
| 16 | Finite-time blow-up for the heat flow of pseudoharmonic maps. Indiana University Mathematics Journal, 2015, 64, 441-470. | 0.9 | 1 |
| 17 | Complete Pseudohermitian Manifolds with Positive Spectrum. Journal of Geometric Analysis, 2015, 25, 92-107. | 1.0 | 0 |
| 18 | Linear Trace Liâ€“Yauâ€“Hamilton Inequality for the CR Lichnerowiczâ€“Laplacian Heat Equation. Journal of Geometric Analysis, 2015, 25, 783-819. | 1.0 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | On CR volume growth estimate in a complete pseudohermitian 3-manifold. International Journal of Mathematics, 2014, 25, 1450035. | 0.5 | 2 |
| 20 | Matrix Liâ€“Yauâ€“Hamilton inequality for the CR heat equation in pseudohermitian $$(2n+1)$$ ( 2 n + 1 ) -manifolds. Mathematische Annalen, 2014, 360, 267-306. | 1.4 | 2 |
| 21 | Calabi-Yau theorem and Hodge-Laplacian heat equation ina closed strictly pseudoconvex CR manifold. Journal of Differential Geometry, 2014, 97, . | 1.1 | 4 |
| 22 | On the existence of pseudoharmonic maps from pseudohermitian manifolds into Riemannian manifolds with nonpositive sectional curvature. Asian Journal of Mathematics, 2013, 17, 1-16. | 0.3 | 10 |
| 23 | The diameter estimate and its application to CR Obataâ€™s Theorem on closed pseudohermitian $(2n+1)$-manifolds. Transactions of the American Mathematical Society, 2012, 364, 3349-3363. | 0.9 | 3 |
| 24 | Li-Yau gradient estimate and entropy formulae for the CR heat equation in a closed pseudohermitian 3-manifold. Journal of Differential Geometry, 2011, 89, . | 1.1 | 15 |
| 25 | The Li-Yau-Hamilton inequality for Yamabe flow on a closed CR 3-manifold. Transactions of the American Mathematical Society, 2010, 362, 1681-1698. | 0.9 | 13 |
| 26 | The entropy formulas for the CR heat equation and their applications on pseudohermitian (2n+) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.3 | 7 |
| 27 | Subgradient Estimate and Liouville-type Theorem for the $CR$ Heat Equation on Heisenberg Groups. Asian Journal of Mathematics, 2010, 14, 41-72. | 0.3 | 9 |
| 28 | Laguerre calculus and Paneitz operator on the Heisenberg group. Science in China Series A: Mathematics, 2009, 52, 2549-2569. | 0.5 | 7 |
| 29 | Nonnegativity of CR Paneitz Operator and Its Application to the CR Obataâ€™s Theorem. Journal of Geometric Analysis, 2009, 19, 261-287. | 1.0 | 27 |
| 30 | On the CR analogue of Obataâ€™s theorem in a pseudohermitian 3-manifold. Mathematische Annalen, 2009, 345, 33-51. | 1.4 | 26 |
| 31 | The Modified Calabi-Yau Problems for CR-manifolds. , 2008, , . | | 0 |
| 32 | Pseudo-Einstein and Q-flat metrics with eigenvalue estimates on CR-hypersurfaces. Indiana University Mathematics Journal, 2007, 56, 2839-2858. | 0.9 | 16 |
| 33 | A fourth order curvature flow on a CR 3-manifold. Indiana University Mathematics Journal, 2007, 56, 1793-1826. | 0.9 | 15 |
| 34 | The Fourth-Order Q-Curvature Flow on Closed 3-Manifolds. Nagoya Mathematical Journal, 2007, 185, 1-15. | 0.8 | 1 |
| 35 | Evolution of Yamabe constant under Ricci flow. Annals of Global Analysis and Geometry, 2007, 31, 147-153. | 0.6 | 11 |
| 36 | On the estimate of the first eigenvalue of a sublaplacian on a pseudohermitian 3-manifold. Pacific Journal of Mathematics, 2007, 232, 269-282. | 0.5 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The 2-Dimensional Calabi Flow. Nagoya Mathematical Journal, 2006, 181, 63-73. | 0.8 | 7 |
| 38 | Three-manifolds with small L 2-norm of traceless-Ricci curvature pinching. Annals of Global Analysis and Geometry, 2006, 30, 37-63. | 0.6 | 0 |
| 39 | Extremal Metrics for Quadratic Functional of Scalar Curvature on Closed 3-Manifolds. Annals of Global Analysis and Geometry, 2004, 25, 11-25. | 0.6 | 2 |
| 40 | On the existence of extremal metrics on complete noncompact 3-manifolds. Indiana University Mathematics Journal, 2004, 53, 243-268. | 0.9 | 6 |
| 41 | On the existence of nontrivial extremal metrics on complete noncompact surfaces. Mathematische Annalen, 2002, 324, 465-490. | 1.4 | 6 |
| 42 | Title is missing!. Annals of Global Analysis and Geometry, 2002, 21, 111-121. | 0.6 | 18 |
| 43 | Global existence and convergence of solutions of the Calabi flow on Einstein 4-manifolds. Nagoya Mathematical Journal, 2001, 163, 193-214. | 0.8 | 6 |
| 44 | Global existence and convergence of solutions of Calabi flow on surfaces of genus $hgeq 2$. Kyoto Journal of Mathematics, 2000, 40, 363. | 0.3 | 8 |
| 45 | Compactness theorems and the Calabi flow on KÃhler surfaces with stable tangent bundle. Mathematische Annalen, 2000, 318, 315-340. | 1.4 | 3 |
| 46 | Compactness Theorems of Extremal-KÃhler Manifolds with Positive First Chern Class. Annals of Global Analysis and Geometry, 1999, 17, 267-288. | 0.6 | 2 |
| 47 | On the existence of extremal metrics for $L^2$-norm of scalar curvature on closed 3-manifolds. Kyoto Journal of Mathematics, 1999, 39, 435. | 0.3 | 7 |