

# Shu-Cheng Chang

## List of Publications by Year in descending order

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47  
papers

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49  
docs citations

49  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Nonnegativity of CR Paneitz Operator and Its Application to the CR Obata's Theorem. Journal of Geometric Analysis, 2009, 19, 261-287.	1.0	27
2	On the CR analogue of Obata's theorem in a pseudohermitian 3-manifold. Mathematische Annalen, 2009, 345, 33-51.	1.4	26
3	Liouville properties for $\mathbb{H}$ -harmonic maps with finite $\mathbb{H}$ -energy. Transactions of the American Mathematical Society, 2016, 368, 787-825.	0.9	20
4	Title is missing!. Annals of Global Analysis and Geometry, 2002, 21, 111-121.	0.6	18
5	Pseudo-Einstein and Q-flat metrics with eigenvalue estimates on CR-hypersurfaces. Indiana University Mathematics Journal, 2007, 56, 2839-2858.	0.9	16
6	A fourth order curvature flow on a CR 3-manifold. Indiana University Mathematics Journal, 2007, 56, 1793-1826.	0.9	15
7	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
8	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
9	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
10	Evolution of Yamabe constant under Ricci flow. Annals of Global Analysis and Geometry, 2007, 31, 147-153.	0.6	11
11	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
12	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
13	Subgradient Estimate and Liouville-type Theorem for the $\mathbb{C}R$ Heat Equation on Heisenberg Groups. Asian Journal of Mathematics, 2010, 14, 41-72.	0.3	9
14	Global existence and convergence of solutions of Calabi flow on surfaces of genus $g \geq 2$ . Kyoto Journal of Mathematics, 2000, 40, 363.	0.3	8
15	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
16	The 2-Dimensional Calabi Flow. Nagoya Mathematical Journal, 2006, 181, 63-73.	0.8	7
17	Laguerre calculus and Paneitz operator on the Heisenberg group. Science in China Series A: Mathematics, 2009, 52, 2549-2569.	0.5	7
18	The entropy formulas for the CR heat equation and their applications on pseudohermitian $(2n+1)$ -manifolds. Journal of Geometric Analysis, 2010, 20, 1001-1015.	0.5	7

#	ARTICLE	IF	CITATIONS
19	Global existence and convergence of solutions of the Calabi flow on Einstein 4-manifolds. Nagoya Mathematical Journal, 2001, 163, 193-214.	0.8	6
20	On the existence of nontrivial extremal metrics on complete noncompact surfaces. Mathematische Annalen, 2002, 324, 465-490.	1.4	6
21	An Optimal Gap Theorem in a Complete Strictly Pseudoconvex CR $(2n+1)$ -Manifold. Journal of Geometric Analysis, 2016, 26, 2425-2449.	1.0	6
22	On the existence of extremal metrics on complete noncompact 3-manifolds. Indiana University Mathematics Journal, 2004, 53, 243-268.	0.9	6
23	Calabi-Yau theorem and Hodge-Laplacian heat equation in a closed strictly pseudoconvex CR manifold. Journal of Differential Geometry, 2014, 97, .	1.1	4
24	Linear Trace Li-Yau Hamilton Inequality for the CR Lichnerowicz Laplacian Heat Equation. Journal of Geometric Analysis, 2015, 25, 783-819.	1.0	4
25	On Three-Dimensional CR Yamabe Solitons. Journal of Geometric Analysis, 2018, 28, 335-359.	1.0	4
26	A CR Analogue of Yau's Conjecture on Pseudoharmonic Functions of Polynomial Growth. Canadian Journal of Mathematics, 2019, 71, 1367-1394.	0.6	4
27	Compactness theorems and the Calabi flow on Kähler surfaces with stable tangent bundle. Mathematische Annalen, 2000, 318, 315-340.	1.4	3
28	The diameter estimate and its application to CR Obata's Theorem on closed pseudohermitian $(2n+1)$ -manifolds. Transactions of the American Mathematical Society, 2012, 364, 3349-3363.	0.9	3
29	Compactness Theorems of Extremal-Kähler Manifolds with Positive First Chern Class. Annals of Global Analysis and Geometry, 1999, 17, 267-288.	0.6	2
30	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
31	On CR volume growth estimate in a complete pseudohermitian 3-manifold. International Journal of Mathematics, 2014, 25, 1450035.	0.5	2
32	Matrix Li-Yau Hamilton inequality for the CR heat equation in pseudohermitian $(2n+1)$ -manifolds. Mathematische Annalen, 2014, 360, 267-306.	1.4	2
33	On the three-circle theorem and its applications in Sasakian manifolds. Calculus of Variations and Partial Differential Equations, 2019, 58, 1.	1.7	2
34	On the CR analogue of Reilly formula and Yau eigenvalue conjecture. Asian Journal of Mathematics, 2018, 22, 919-940.	0.3	2
35	The Fourth-Order Q-Curvature Flow on Closed 3-Manifolds. Nagoya Mathematical Journal, 2007, 185, 1-15.	0.8	1
36	Finite-time blow-up for the heat flow of pseudoharmonic maps. Indiana University Mathematics Journal, 2015, 64, 441-470.	0.9	1

#	ARTICLE	IF	CITATIONS
37	On the Sharp Dimension Estimate of CR Holomorphic Functions in Sasakian Manifolds. International Mathematics Research Notices, 2019, , .	1.0	1
38	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
39	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
40	Complete Pseudohermitian Manifolds with Positive Spectrum. Journal of Geometric Analysis, 2015, 25, 92-107.	1.0	0
41	$\mathbb{C}_0$ -positivity and a classification of closed three-dimensional CR torsion solitons. Mathematische Zeitschrift, 2020, 296, 1065-1080.	0.9	0
42	The Modified Calabi-Yau Problems for CR-manifolds. , 2008, , .		0
43	The 2017 ICCM Best Paper Awards. Notices of the International Congress of Chinese Mathematicians, 2018, 6, 7-30.	0.0	0
44	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
45	On the p-pseudoharmonic map heat flow. International Journal of Mathematics, 2020, 31, 2050104.	0.5	0
46	ICCM Newsletter, 2017. Notices of the International Congress of Chinese Mathematicians, 2018, 6, 2-6.	0.0	0
47	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