Claude R Lebrun

List of Publications by Year
in descending order

76 papers	2,034 citations	218677 26 h-index	254184 43 g-index
81 all docs	81 docs citations	81 times ranked	408 citing authors

#	Article	IF	Citations
1	Einstein manifolds, self-dual Weyl curvature, and conformally Kähler geometry. Mathematical Research Letters, 2021, 28, 127-144.	0.5	0
2	Einstein metrics, conformal curvature, and anti-holomorphic involutions. Annales Mathematiques Du Quebec, 2021, 45, 391-405.	0.2	0
3	Einstein Metrics on Complex Surfaces. , 2021, , 167-176.		11
4	Bach-Flat Kähler Surfaces. Journal of Geometric Analysis, 2020, 30, 2491-2514.	1.0	1
5	Einstein Metrics, Harmonic Forms and Conformally Kähler Geometry. , 2020, , 215-240.		0
6	Self-Dual Manifolds and Hyperbolic Geometry. , 2020, , 99-131.		3
7	Anti-self-dual 4-manifolds, quasi-Fuchsian groups, and almost-Kähler geometry. Communications in Analysis and Geometry, 2020, 28, 745-780.	0.4	0
8	Mass, Kähler manifolds, and symplectic geometry. Annals of Global Analysis and Geometry, 2019, 56, 97-112.	0.6	1
9	Twistors, Hyper-Kähler Manifolds, and Complex Moduli. Springer INdAM Series, 2017, , 207-214.	0.5	0
10	Mass in Kähler Geometry. Communications in Mathematical Physics, 2016, 347, 183-221.	2.2	12
11	The Einstein–Maxwell Equations and Conformally Kähler Geometry. Communications in Mathematical Physics, 2016, 344, 621-653.	2.2	18
12	Edges, orbifolds, and Seiberg–Witten theory. Journal of the Mathematical Society of Japan, 2015, 67, .	0.4	5
13	The Einstein–Maxwell equations, Kähler metrics, and Hermitian geometry. Journal of Geometry and Physics, 2015, 91, 163-171.	1.4	15
14	Einstein metrics, harmonic forms, and symplectic four-manifolds. Annals of Global Analysis and Geometry, 2015, 48, 75-85.	0.6	6
15	Weyl Curvature, Del Pezzo Surfaces, and Almost-Kähler Geometry. Journal of Geometric Analysis, 2015, 25, 1744-1772.	1.0	3
16	Einstein manifolds and extremal Kähler metrics. Journal Fur Die Reine Und Angewandte Mathematik, 2013, 2013, .	0.9	2
17	Curvature, cones and characteristic numbers. Mathematical Proceedings of the Cambridge Philosophical Society, 2013, 155, 13-37.	0.4	28
18	Calabi energies of extremal toric surfaces. Journal of Differential Geometry, 2013, 18, 195-226.	1.0	3

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19	On Einstein, Hermitian 4-manifolds. Journal of Differential Geometry, 2012, 90, .	1.1	14
20	The Einsteinâ€Maxwell Equations, Extremal KÃ¤hler Metrics, and Seibergâ€Witten Theory. , 2010, , 17-33.		9
21	Zoll metrics, branched covers, and holomorphic disks. Communications in Analysis and Geometry, 2010, 18, 475-502.	0.4	7
22	Einstein metrics, complex surfaces, and symplectic 4-manifolds. Mathematical Proceedings of the Cambridge Philosophical Society, 2009, 147, 1-8.	0.4	3
23	The Einstein-Weyl Equations, Scattering Maps, and Holomorphic Disks. Mathematical Research Letters, 2009, 16, 291-301.	0.5	11
24	On Optimal 4-Dimensional Metrics. Journal of Geometric Analysis, 2008, 18, 537-564.	1.0	14
25	On conformally KÃ¤hler, Einstein manifolds. Journal of the American Mathematical Society, 2008, 21, 1137-1168.	3.9	69
26	Einstein metrics, four-manifolds, and conformally KÃ¤hler geometry. Journal of Differential Geometry, 2008, 13, 135-148.	1.0	1
27	Nonlinear gravitons, null geodesics, and holomorphic disks. Duke Mathematical Journal, 2007, 136, .	1.5	22
28	Perelmanâ€™s invariant, Ricci flow, and the Yamabe invariants of smooth manifolds. Archiv Der Mathematik, 2007, 88, 71-76.	0.5	23
29	Twistors, holomorphic disks, and Riemann surfaces with boundary. CRM Proceedings & Lecture Notes, 2006, , 209-221.	0.1	6
30	Einstein Metrics, Symplectic Minimality, and Pseudo-Holomorphic Curves. Annals of Global Analysis and Geometry, 2005, 28, 157-177.	0.6	6
31	Einstein Metrics, Symplectic Minimality, and Pseudo-Holomorphic Curves. Annals of Global Analysis and Geometry, 2005, 28, 157-177.	0.6	0
32	Curvature Functionals, Optimal Metrics, and the Differential Topology of 4-Manifolds. , 2004, , 199-256.		13
33	Curvature, Connected Sums, and Seiberg-Witten Theory. Communications in Analysis and Geometry, 2003, 11, 809-836.	0.4	24
34	Hyperbolic Manifolds, Harmonic Forms, and Seibergâ€"Witten Invariants. Geometriae Dedicata, 2002, 91, 137-154.	0.3	6
35	Zoll Manifolds and Complex Surfaces. Journal of Differential Geometry, 2002, 61, .	1.1	35
36	Spin Manifolds, Einstein Metrics, and Differential Topology. Mathematical Research Letters, 2002, 9, 229-240.	0.5	11

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37	Ricci curvature, minimal volumes, and Seiberg-Witten theory. Inventiones Mathematicae, 2001, 145, 279-316.	2.5	66
38	On Einstein Manifolds of Positive Sectional Curvature. Annals of Global Analysis and Geometry, 1999, 17, 315-328.	0.6	40
39	Topology versus Chern numbers for complex 3-folds. Pacific Journal of Mathematics, 1999, 191, 123-131.	0.5	15
40	Kodaira dimension and the Yamabe problem. Communications in Analysis and Geometry, 1999, 7, 133-156.	0.4	56
41	Self-dual manifolds with positive Ricci curvature. Mathematische Zeitschrift, 1997, 224, 49-63.	0.9	14
42	Yamabe constants and the perturbed Seiberg–Witten equations. Communications in Analysis and Geometry, 1997, 5, 535-553.	0.4	58
43	Four-Manifolds without Einstein Metrics. Mathematical Research Letters, 1996, 3, 133-147.	0.5	93
44	On Kähler surfaces of constant positive scalar curvature. Journal of Geometric Analysis, 1995, 5, 115-127.	1.0	9
45	FANO MANIFOLDS, CONTACT STRUCTURES, AND QUATERNIONIC GEOMETRY. International Journal of Mathematics, 1995, 06, 419-437.	0.5	102
46	Anti-Self-Dual Metrics and Kähler Geometry. , 1995, , 498-507.		11
47	Einstein metrics and Mostow rigidity. Mathematical Research Letters, 1995, 2, 1-8.	0.5	67
48	Polarized 4-Manifolds, Extremal Kähler Metrics, and Seiberg-Witten Theory. Mathematical Research Letters, 1995, 2, 653-662.	0.5	31
49	A Kummer-type construction of self-dual 4-manifolds. Mathematische Annalen, 1994, 300, 165-180.	1.4	40
50	Strong rigidity of positive quaternion-Kï¿½hler manifolds. Inventiones Mathematicae, 1994, 118, 109-132.	2.5	107
51	Existence and deformation theory for scalar-flat Kï¿½hler metrics on compact complex surfaces. Inventiones Mathematicae, 1993, 112, 273-313.	2.5	39
52	Twistors, Kähler manifolds, and bimeromorphic geometry. II. Journal of the American Mathematical Society, 1992, 5, 317-325.	3.9	4
53	Twistors, Kähler manifolds, and bimeromorphic geometry. I. Journal of the American Mathematical Society, 1992, 5, 289-316.	3.9	6
54	Twistors, Kahler Manifolds, and Bimeromorphic Geometry. I. Journal of the American Mathematical Society, 1992, 5, 289.	3.9	19

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55	Twistors, Kahler Manifolds, and Bimeromorphic Geometry. II. Journal of the American Mathematical Society, 1992, 5, 317.	3.9	14
56	Fattening complex manifolds: Curvature and Kodaira–Spencer maps. Journal of Geometry and Physics, 1992, 8, 123-146.	1.4	12
57	On complete quaternionic-Kähler manifolds. Duke Mathematical Journal, 1991, 63, 723.	1.5	39
58	Thickenings and conformal gravity. Communications in Mathematical Physics, 1991, 139, 1-43.	2.2	18
59	Anti-self-dual Hermitian metrics on blown-up Hopf surfaces. Mathematische Annalen, 1991, 289, 383-392.	1.4	36
60	Scalar-flat Kähler metrics on blown-up ruled surfaces.. Journal Fur Die Reine Und Angewandte Mathematik, 1991, 1991, 161-178.	0.9	6
61	Explicit self-dual metrics on $\mathbb{CP}_2 \# \cdots \# \mathbb{CP}_2$. Journal of Differential Geometry, 1991, 34, .	1.1	144
62	Projective embeddings of complex supermanifolds. Communications in Mathematical Physics, 1990, 126, 433-452.	2.2	18
63	Ambitwistors and Conformal Gravity. NATO ASI Series Series B: Physics, 1990, , 621-632.	0.2	1
64	Quaternionic-Kï¿½hler manifolds and conformal geometry. Mathematische Annalen, 1989, 284, 353-376.	1.4	41
65	Complete Ricci-flat Kï¿½hler manifolds of infinite topological type. Communications in Mathematical Physics, 1989, 125, 637-642.	2.2	42
66	Counter-examples to the generalized positive action conjecture. Communications in Mathematical Physics, 1988, 118, 591-596.	2.2	133
67	Moduli of super Riemann surfaces. Communications in Mathematical Physics, 1988, 117, 159-176.	2.2	58
68	A Rigidity Theorem for Quaternionic-Kahler Manifolds. Proceedings of the American Mathematical Society, 1988, 103, 1205.	0.8	6
69	A rigidity theorem for quaternionic-Kähler manifolds. Proceedings of the American Mathematical Society, 1988, 103, 1205-1208.	0.8	7
70	Orthogonal complex structures on ?â¶. Proceedings of the American Mathematical Society, 1987, 101, 136-138.	0.8	18
71	On the topology of self-dual 4-manifolds. Proceedings of the American Mathematical Society, 1986, 98, 637-640.	0.8	36
72	Thickening and Supersymmetric Extensions of Complex Manifolds. American Journal of Mathematics, 1986, 108, 1177.	1.1	30

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73	On the Topology of Self-Dual 4-Manifolds. Proceedings of the American Mathematical Society, 1986, 98, 637.	0.8	30
74	Twistor CR manifolds and three-dimensional conformal geometry. Transactions of the American Mathematical Society, 1984, 284, 601-616.	0.9	38
75	Spaces of complex null geodesics in complex-Riemannian geometry. Transactions of the American Mathematical Society, 1983, 278, 209-231.	0.9	95
76	The first formal neighbourhood of ambitwistor space for curved space-time. Letters in Mathematical Physics, 1982, 6, 345-354.	1.1	17