Karsten Grove

List of Publications by Year
in descending order

51 papers	**1,938** citations

236925

243625

51 papers	**1,938** citations	**25** h-index	**44** g-index
51 all docs	**51** docs citations	**51** times ranked	**324** citing authors

#	Article	IF	Citations
1	Tits geometry and positive curvature. Acta Mathematica, 2017, 218, 1-53.	3.9	6
2	Reflection groups in non-negative curvature. Journal of Differential Geometry, 2016, 102, .	1.1	3
3	Rigidity theorems for submetries in positive curvature. Advances in Mathematics, 2016, 289, 784-796.	1.1	5
4	Rank three geometry and positive curvature. Communications in Analysis and Geometry, 2016, 24, 487-520.	0.4	3
5	A knot characterization and 1â€"connected nonnegatively curved 4â€"manifolds with circle symmetry. Geometry and Topology, 2014, 18, 3091-3110.	1.3	37
6	Polar manifolds and actions. Journal of Fixed Point Theory and Applications, 2012, 11, 279-313.	1.1	25
7	An Exotic $${T_{1}mathbb{S}^4}$$ with Positive Curvature. Geometric and Functional Analysis, 2011, 21, 499-524.	1.8	56
8	Lifting group actions and nonnegative curvature. Transactions of the American Mathematical Society, 2011, 363, 2865-2865.	0.9	17
9	Positively curved cohomogeneity one manifolds and 3-Sasakian geometry. Journal of Differential Geometry, 2008, 78, .	1.1	80
10	Developments around positive sectional curvature. Journal of Differential Geometry, 2008, 13, 117-134.	1.0	9
11	Cohomogeneity one manifolds with positive Ricci curvature. Inventiones Mathematicae, 2002, 149, 619-646.	2.5	92
12	Geometry of, and via, symmetries. University Lecture Series, 2002, , 31-53.	0.0	36
13	Global G-Manifold Reductions and Resolutions. Annals of Global Analysis and Geometry, 2000, 18, 437-446.	0.6	13
14	Guest Editors' Introduction to a Special Issue in Memory of Alfred Gray (1939â€"1998). Annals of Global Analysis and Geometry, 2000, 18, 205-206.	0.6	0
15	Rank two fundamental groups of positively curved manifolds. Journal of Geometric Analysis, 2000, 10, 679-682.	1.0	19
16	Curvature and Symmetry of Milnor Spheres. Annals of Mathematics, 2000, 152, 331.	4.2	135
17	Metric constraints on exotic spheres via Alexandrov geometry.. Journal Fur Die Reine Und Angewandte Mathematik, 1997, 1997, 201-217.	0.9	2
18	Differential topological restrictions curvature and symmetry. Journal of Differential Geometry, 1997, 47, 530.	1.1	43

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19	Hard and Soft Packing Radius Theorems. Annals of Mathematics, 1995, 142, 213.	4.2	23
20	New extremal problems for the Riemannian recognition program via Alexandrov geometry. Journal of the American Mathematical Society, 1995, 8, 1-28.	3.9	41
21	A radius sphere theorem. Inventiones Mathematicae, 1993, 112, 577-583.	2.5	47
22	Curvature, triameter, and beyond. Bulletin of the American Mathematical Society, 1992, 27, 261-265.	1.5	8
23	Volume comparison Ã la Aleksandrov. Acta Mathematica, 1992, 169, 131-151.	3.9	15
24	Manifolds near the boundary of existence. Journal of Differential Geometry, 1991, 33, 379.	1.1	57
25	Elliptic isometries, condition (C) and proper maps. Archiv Der Mathematik, 1991, 56, 288-299.	0.5	10
26	Geometric finiteness theorems via controlled topology. Inventiones Mathematicae, 1990, 99, 205-213.	2.5	88
27	A pinching theorem for homotopy spheres. Journal of the American Mathematical Society, 1990, 3, 671-677.	3.9	22
28	The even dimensional pinching problem and SU(3)/T. Geometriae Dedicata, 1989, 29, 327-334.	0.3	3
29	Bounding Homotopy Types by Geometry. Annals of Mathematics, 1988, 128, 195.	4.2	96
30	Homotopy Types of Positively Curved Manifolds with Large Volume. American Journal of Mathematics, 1988, 110, 1183.	1.1	11
31	The low-dimensional metric foliations of Euclidean spheres. Journal of Differential Geometry, 1988, 28, 143.	1.1	66
32	Metric differential geometri. Lecture Notes in Mathematics, 1987, , 171-227.	0.2	33
33	A generalization of Berger's rigidity theorem for positively curved manifolds. Annales Scientifiques De L'Ecole Normale Superieure, 1987, 20, 227-239.	0.8	52
34	Dupin hypersurfaces, group actions and the double mapping cylinder. Journal of Differential Geometry, 1987, 26, .	1.1	58
35	The isometry-invariant geodesics problem: Closed and open. Lecture Notes in Mathematics, 1985, , 125-140.	0.2	3
36	Sub-Stonean spaces and corona sets. Journal of Functional Analysis, 1984, 56, 124-143.	1.4	21

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37	Diagonalizing matrices over C(X). Journal of Functional Analysis, 1984, 59, 65-89.	1.4	46
38	RIGIDITY OF POSITIVELY CURVED MANIFOLDS WITH LARGE DIAMETER. , 1982, , 203-208.		7
39	Contributions of rational homotopy theory to global problems in geometry. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 1982, 56, 171-177.	4.3	31
40	On the number of invariant closed geodesics. Acta Mathematica, 1978, 140, 33-48.	3.9	21
41	The rational homotopy theory of certain path spaces with applications to geodesics. Acta Mathematica, 1978, 140, 277-303.	3.9	27
42	A Generalized Sphere Theorem. Annals of Mathematics, 1977, 106, 201.	4.2	225
43	On the number of invariant closed geodesics. Bulletin of the American Mathematical Society, 1976, 82, 497-498.	3.9	5
44	Center of Mass and G-Local Triviality of G-Bundles. Proceedings of the American Mathematical Society, 1976, 54, 352.	0.8	2
45	Group actions and curvature. Bulletin of the American Mathematical Society, 1975, 81, 89-93.	3.9	4
46	Jacobi fields and Finsler metrics on compact Lie groups with an application to differentiable pinching problems. Mathematische Annalen, 1974, 211, 7-21.	1.4	89
47	Group actions and curvature. Inventiones Mathematicae, 1974, 23, 31-48.	2.5	61
48	Isometry-invariant geodesics. Topology, 1974, 13, 281-292.	0.3	30
49	How to conjugateC 1-close group actions. Mathematische Zeitschrift, 1973, 132, 11-20.	0.9	110
50	Condition (C) for the energy integral on certain path spaces and applications to the theory of geodesics. Journal of Differential Geometry, 1973, 8, .	1.1	40
51	Involution-invariant geodesics.. Mathematica Scandinavica, 0, 36, 97.	0.2	5