

Harold Rosenberg

List of Publications by Year in descending order

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61
papers

1,638
citations

218677

26
h-index

302126

39
g-index

61
all docs

61
docs citations

61
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hopf differential for constant mean curvature surfaces in $S^2 \times \mathbb{R}$ and $H^2 \times \mathbb{R}$. Acta Mathematica, 2004, 193, 141-174.	3.9	143
2	The uniqueness of the helicoid. Annals of Mathematics, 2005, 161, 727-758.	4.2	90
3	Minimal Surfaces in $S^2 \times \mathbb{R}$. Bulletin of the Brazilian Mathematical Society, 2002, 33, 263-292.	0.8	85
4	Foliations by planes. Topology, 1968, 7, 131-138.	0.3	79
5	Minimal surfaces in $\mathbb{B}^2 \times \mathbb{R}$. Illinois Journal of Mathematics, 2002, 46, .	0.1	65
6	The geometry of periodic minimal surfaces. Commentarii Mathematici Helvetici, 1993, 68, 538-578.	0.7	60
7	Construction of harmonic diffeomorphisms and minimal graphs. Annals of Mathematics, 2010, 172, 1879-1906.	4.2	60
8	The global theory of doubly periodic minimal surfaces. Inventiones Mathematicae, 1989, 97, 351-379.	2.5	54
9	General curvature estimates for stable H-surfaces in 3-manifolds applications. Journal of Differential Geometry, 2010, 84, .	1.1	51
10	Complete surfaces with positive extrinsic curvature in product spaces. Commentarii Mathematici Helvetici, 2009, 84, 351-386.	0.7	42
11	The geometry of properly embedded special surfaces in \mathbb{R}^3 ; e.g., surfaces satisfying $aH+bK=1$, where a and b are positive. Duke Mathematical Journal, 1994, 73, 291.	1.5	38
12	Title is missing!. Indiana University Mathematics Journal, 1991, 40, 333.	0.9	38
13	The minimal lamination closure theorem. Duke Mathematical Journal, 2006, 133, 467.	1.5	36
14	A maximum principle at infinity for minimal surfaces and applications. Duke Mathematical Journal, 1988, 57, 819.	1.5	35
15	Constant mean curvature surfaces in $M^2 \times \mathbb{R}$. Transactions of the American Mathematical Society, 2005, 358, 491-507.	0.9	35
16	The maximum principle at infinity for minimal surfaces in flat three manifolds. Commentarii Mathematici Helvetici, 1990, 65, 255-270.	0.7	34
17	The Geometry of Finite Topology Bryant Surfaces. Annals of Mathematics, 2001, 153, 623.	4.2	34
18	The theory of minimal surfaces in $M \times \mathbb{R}$. Commentarii Mathematici Helvetici, 2005, 80, 811-858.	0.7	34

#	ARTICLE	IF	CITATIONS
19	On stability of compact leaves and fibrations. <i>Topology</i> , 1977, 16, 107-111.	0.3	32
20	Embedded positive constant r -mean curvature hypersurfaces in $M^m \times \mathbb{R}$. <i>Anais Da Academia Brasileira De Ciencias</i> , 2005, 77, 183-199.	0.8	32
21	Boundary value problems for surfaces of constant Gauss Curvature. <i>Communications on Pure and Applied Mathematics</i> , 1992, 45, 1051-1062.	3.1	31
22	The geometry and conformal structure of properly embedded minimal surfaces of finite topology in \mathbb{H}^3 . <i>Inventiones Mathematicae</i> , 1993, 114, 625-639.	2.5	29
23	Minimal surfaces and harmonic diffeomorphisms from the complex plane onto certain Hadamard surfaces. <i>American Journal of Mathematics</i> , 2010, 132, 1249-1273.	1.1	29
24	On curvature integrals and knots. <i>Topology</i> , 1976, 15, 405-416.	0.3	28
25	Constant mean curvature surfaces in homogeneously regular 3-manifolds. <i>Bulletin of the Australian Mathematical Society</i> , 2006, 74, 227-238.	0.5	26
26	Global properties of constant mean curvature surfaces in $\mathbb{H}^2 \times \mathbb{H}^2$. <i>Pacific Journal of Mathematics</i> , 2006, 226, 137-152.	0.5	26
27	Complete minimal surfaces and minimal helices. <i>Journal of Differential Geometry</i> , 1988, 28, .	1.1	25
28	On complete mean curvature $\frac{1}{2}$ surfaces in $\mathbb{H}^2 \times \mathbb{R}$. <i>Communications in Analysis and Geometry</i> , 2008, 16, 989-1005.	0.4	24
29	Topological equivalence of Reeb foliations. <i>Topology</i> , 1970, 9, 231-242.	0.3	22
30	Constant mean curvature surfaces in a half-space of \mathbb{R}^3 with boundary in the boundary of the half-space. <i>Journal of Differential Geometry</i> , 1996, 44, .	1.1	22
31	Symmetry of constant mean curvature hypersurfaces in hyperbolic space. <i>Duke Mathematical Journal</i> , 1985, 52, 53.	1.5	21
32	Embedded minimal annuli in \mathbb{R}^3 bounded by a pair of straight lines. <i>Commentarii Mathematici Helvetici</i> , 1991, 66, 599-617.	0.7	21
33	Biharmonic Submanifolds with Parallel Mean Curvature in $\mathbb{S}^n \times \mathbb{R}$. <i>Journal of Geometric Analysis</i> , 2013, 23, 2158-2176.	1.0	21
34	Infinite boundary value problems for constant mean curvature graphs in $\mathbb{H}^2 \times \mathbb{H}^2$ and $\mathbb{S}^2 \times \mathbb{H}^2$. <i>American Journal of Mathematics</i> , 2009, 131, 195-226.	1.1	20
35	On the existence of convex hypersurfaces of constant Gauss curvature in hyperbolic space. <i>Journal of Differential Geometry</i> , 1994, 40, 379.	1.1	19
36	Half-space theorems for mean curvature one surfaces in hyperbolic space. <i>Proceedings of the American Mathematical Society</i> , 1998, 126, 2755-2762.	0.8	19

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37	Herissons et multierissons (enveloppes paramétrées par leur application de Gauss). Banach Center Publications, 1987, 20, 245-253.	0.1	19
38	Removable singularities for sections of Riemannian submersions of prescribed mean curvature. Bulletin Des Sciences Mathematiques, 2009, 133, 445-452.	1.0	15
39	Minimal surfaces in finite volume noncompact hyperbolic 3-manifolds. Transactions of the American Mathematical Society, 2017, 369, 4293-4309.	0.9	14
40	Simply connected constant mean curvature surfaces in $H^2 \times R$. Michigan Mathematical Journal, 2006, 54, 537.	0.4	13
41	Surfaces with parallel mean curvature in $S^3 \times R$ and $H^3 \times R$. Michigan Mathematical Journal, 2012, 61, .	0.4	12
42	On complete submanifolds with parallel mean curvature in product spaces. Revista Matematica Iberoamericana, 2013, 29, 1283-1306.	0.9	10
43	Minimal surfaces of finite type. Bulletin De La Societe Mathematique De France, 1995, 123, 351-359.	0.2	10
44	Some remarks on embedded hypersurfaces in hyperbolic space of constant curvature and spherical boundary. Annals of Global Analysis and Geometry, 1995, 13, 23-30.	0.6	9
45	The Dirichlet problem for constant mean curvature surfaces in Heisenberg space. Calculus of Variations and Partial Differential Equations, 2007, 30, 513-522.	1.7	9
46	A Colding-Minicozzi stability inequality and its applications. Transactions of the American Mathematical Society, 2011, 363, 2447-2447.	0.9	9
47	Surfaces with parallel mean curvature in \mathbb{H}^n , $\mathbb{H}^n \times \mathbb{R}$, and $\mathbb{H}^n \times \mathbb{S}^1$. Transactions of the American Mathematical Society, 2014, 366, 75-94.	0.9	9
48	Integrable perturbations of fibrations and a theorem of seifert. , 1978, , 122-127.		7
49	Some remarks on complete simply connected minimal surfaces meeting the planes $x_3 = \text{Constant}$ Transversally. Journal of Geometric Analysis, 1997, 7, 329-342.	1.0	7
50	Bryant Surfaces. Lecture Notes in Mathematics, 2002, , 67-111.	0.2	6
51	When strictly locally convex hypersurfaces are embedded. Mathematische Zeitschrift, 2012, 271, 1075-1090.	0.9	6
52	The Dirichlet Problem for constant mean curvature graphs in \mathbb{H}^n . Geometry and Topology, 2012, 16, 1171-1203.	1.3	6
53	Some Structure Theorems for Complete constant Mean Curvature Surfaces with Boundary a Convex Curve. Proceedings of the American Mathematical Society, 1991, 113, 1045.	0.8	4
54	A Note on surfaces with parallel mean curvature. Comptes Rendus Mathematique, 2011, 349, 1195-1197.	0.3	4

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55	Corrigendum to "Minimal surfaces in finite volume noncompact hyperbolic 3-manifolds": Transactions of the American Mathematical Society, 2019, 372, 7521-7524.	0.9	4
56	Fenchel type theorems for submanifolds of S^n . Commentarii Mathematici Helvetici, 1996, 71, 594-616.	0.7	2
57	Some structure theorems for complete constant mean curvature surfaces with boundary a convex curve. Proceedings of the American Mathematical Society, 1991, 113, 1045-1045.	0.8	2
58	Remarks on surfaces of large mean curvature. Comptes Rendus Mathematique, 2009, 347, 183-184.	0.3	1
59	Fatou's Theorem and minimal graphs. Journal Des Mathematiques Pures Et Appliquees, 2010, 93, 436-448.	1.6	0
60	Minimal surfaces near short geodesics in hyperbolic 3-manifolds. Advances in Mathematics, 2020, 372, 107285.	1.1	0
61	Entire constant mean curvature graphs in \mathbb{H}^3 . Pacific Journal of Mathematics, 2022, 316, 307-333.	0.5	0