Tobias Ekholm

List of Publications by Year
in descending order

44	864	471509 17	501196 28
papers	citations	h-index	g-index

45	45	45	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Legendrian surgery. Geometry and Topology, 2012, 16, 301-389.	1.3	75
2	Legendrian contact homology in $P imes mathbb{R}$. Transactions of the American Mathematical Society, 2007, 359, 3301-3336.	0.9	64
3	The contact homology of Legendrian submanifolds in R2n+1. Journal of Differential Geometry, 2005, 71, .	1.1	61
4	ORIENTATIONS IN LEGENDRIAN CONTACT HOMOLOGY AND EXACT LAGRANGIAN IMMERSIONS. International Journal of Mathematics, 2005, 16, 453-532.	0.5	53
5	Non-isotopic Legendrian submanifolds in R2n+1. Journal of Differential Geometry, 2005, 71, .	1.1	52
6	Legendrian knots and exact Lagrangian cobordisms. Journal of the European Mathematical Society, 2016, 18, 2627-2689.	1.4	48
7	Topological strings, D-model, and knot contact homology. Advances in Theoretical and Mathematical Physics, 2014, 18, 827-956.	0.6	40
8	A duality exact sequence for legendrian contact homology. Duke Mathematical Journal, 2009, 150, .	1.5	33
9	Knot contact homology. Geometry and Topology, 2013, 17, 975-1112.	1.3	33
10	Morse flow trees and Legendrian contact homology in 1â€“jet spaces. Geometry and Topology, 2007, 11, 1083-1224.	1.3	32
11	Rational SFT, Linearized Legendrian Contact Homology, and Lagrangian Floer Cohomology. Progress in Mathematics, 2012, , 109-145.	0.3	31
12	Rational symplectic field theory over $mathbb{Z}_2$ for exact Lagrangian cobordisms. Journal of the European Mathematical Society, 2008, 10, 641-704.	1.4	29
13	Algorithm for generating a Brownian motion on a sphere. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 505001.	2.1	26
14	Physics and Geometry of Knots-Quivers Correspondence. Communications in Mathematical Physics, 2020, 379, 361-415.	2.2	24
15	Brownian dynamics simulations on a hypersphere in 4-space. Journal of Chemical Physics, 2003, 119, 6423-6432.	3.0	20
16	Constructing exact Lagrangian immersions with few double points. Geometric and Functional Analysis, 2013, 23, 1772-1803.	1.8	20
17	Differential 3-knots in 5-space with and without self-intersections. Topology, 2001, 40, 157-196.	0.3	18
18	Legendrian contact homology in the boundary of a subcritical Weinstein 4-manifold. Journal of Differential Geometry, 2015, 101, .	1.1	18

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19	Multi-cover skeins, quivers, and 3d $$ mathcal{N} $$ = 2 dualities. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
20	A complete knot invariant from contact homology. Inventiones Mathematicae, 2018, 211, 1149-1200.	2.5	17
21	Geometric formulas for Smale invariants of codimension two immersions. Topology, 2003, 42, 171-196.	0.3	16
22	Isotopies of Legendrian 1-knots and Legendrian 2-tori. Journal of Symplectic Geometry, 2008, 6, 407-460.	0.5	15
23	Filtrations on the knot contact homology of transverse knots. Mathematische Annalen, 2013, 355, 1561-1591.	1.4	13
24	Symplectic homology product via Legendrian surgery. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8114-8121.	7.1	12
25	Exact Lagrangian immersions with one double point revisited. Mathematische Annalen, 2014, 358, 195-240.	1.4	10
26	Exact Lagrangian immersions with a single double point. Journal of the American Mathematical Society, 2016, 29, 1-59.	3.9	9
27	Computer simulations of polymer chain structure and dynamics on a hypersphere in four-space. Journal of Chemical Physics, 2005, 122, 184110.	3.0	8
28	Symplectic and contact differential graded algebras. Geometry and Topology, 2017, 21, 2161-2230.	1.3	7
29	Invariants of generic immersions. Pacific Journal of Mathematics, 2001, 199, 321-346.	0.5	7
30	Knot contact homology, string topology, andÂthe cord algebra. Journal De L'Ecole Polytechnique - Mathematiques, 0, 4, 661-780.	0.0	6
31	Immersions in the metastable range and spin structures on surfaces. Mathematica Scandinavica, 1998, 83, 5.	0.2	6
32	REGULAR HOMOTOPY AND VASSILIEV INVARIANTS OF GENERIC IMMERSIONS Sk â†' â„2k-1, k â‰¥ 4. Journal of Knot Theory and Its Ramifications, 1998, 07, 1041-1064.	0.3	5
33	Branches, quivers, and ideals for knot complements. Journal of Geometry and Physics, 2022, , 104520.	1.4	5
34	THE GROUP OF IMMERSIONS OF HOMOTOPY $(4k-1)$-SPHERES. Bulletin of the London Mathematical Society, 2006, 38, 163-176.	0.8	4
35	Singular Seifert surfaces and Smale invariants for a family of 3-sphere immersions. Bulletin of the London Mathematical Society, 2011, 43, 251-266.	0.8	4
36	Non-loose Legendrian spheres with trivial contact homology DGA. Journal of Topology, 2016, 9, 826-848.	0.5	4

#	Article	IF	Citations
37	Regular homotopy and total curvature I: circle immersions into surfaces. Algebraic and Geometric Topology, 2006, 6, 459-492.	0.4	3
38	Regular homotopy and total curvature II: sphere immersions into 3â€“space. Algebraic and Geometric Topology, 2006, 6, 493-512.	0.4	3
39	Construction of a closed polymer network for computer simulations. Journal of Chemical Physics, 2014, 141, 154113.	3.0	3
40	Lagrangian exotic spheres. Journal of Topology and Analysis, 2016, 08, 375-397.	0.5	3
41	Higher genus knot contact homology and recursion for colored HOMFLY-PT polynomials. Advances in Theoretical and Mathematical Physics, 2020, 24, 2067-2145.	0.6	2
42	Non-loose Legendrian spheres with trivial Contact Homology DGA. Journal of Topology, 2018, 11, 1133-1135.	0.5	1
43	Nearby Lagrangian fibers and Whitney sphere links. Compositio Mathematica, 2018, 154, 685-718.	0.8	1
44	KNOT CONTACT HOMOLOGY AND OPEN GROMOVâ€“WITTEN THEORY. , 2019, , .		0