

Tobias Ekholm

List of Publications by Year in descending order

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45
all docs

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times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	Branches, quivers, and ideals for knot complements. Journal of Geometry and Physics, 2022, , 104520.	1.4	5
2	Physics and Geometry of Knots-Quivers Correspondence. Communications in Mathematical Physics, 2020, 379, 361-415.	2.2	24
3	Multi-cover skeins, quivers, and 3d $\mathcal{N} = 2$ dualities. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
4	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
5	KNOT CONTACT HOMOLOGY AND OPEN GROMOV-WITTEN THEORY. , 2019, , .		0
6	Non-loose Legendrian spheres with trivial Contact Homology DGA. Journal of Topology, 2018, 11, 1133-1135.	0.5	1
7	Nearby Lagrangian fibers and Whitney sphere links. Compositio Mathematica, 2018, 154, 685-718.	0.8	1
8	A complete knot invariant from contact homology. Inventiones Mathematicae, 2018, 211, 1149-1200.	2.5	17
9	Symplectic and contact differential graded algebras. Geometry and Topology, 2017, 21, 2161-2230.	1.3	7
10	Exact Lagrangian immersions with a single double point. Journal of the American Mathematical Society, 2016, 29, 1-59.	3.9	9
11	Legendrian knots and exact Lagrangian cobordisms. Journal of the European Mathematical Society, 2016, 18, 2627-2689.	1.4	48
12	Lagrangian exotic spheres. Journal of Topology and Analysis, 2016, 08, 375-397.	0.5	3
13	Non-loose Legendrian spheres with trivial contact homology DGA. Journal of Topology, 2016, 9, 826-848.	0.5	4
14	Legendrian contact homology in the boundary of a subcritical Weinstein 4-manifold. Journal of Differential Geometry, 2015, 101, .	1.1	18
15	Construction of a closed polymer network for computer simulations. Journal of Chemical Physics, 2014, 141, 154113.	3.0	3
16	Exact Lagrangian immersions with one double point revisited. Mathematische Annalen, 2014, 358, 195-240.	1.4	10
17	Topological strings, D-model, and knot contact homology. Advances in Theoretical and Mathematical Physics, 2014, 18, 827-956.	0.6	40
18	Filtrations on the knot contact homology of transverse knots. Mathematische Annalen, 2013, 355, 1561-1591.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Constructing exact Lagrangian immersions with few double points. Geometric and Functional Analysis, 2013, 23, 1772-1803.	1.8	20
20	Knot contact homology. Geometry and Topology, 2013, 17, 975-1112.	1.3	33
21	Effect of Legendrian surgery. Geometry and Topology, 2012, 16, 301-389.	1.3	75
22	Rational SFT, Linearized Legendrian Contact Homology, and Lagrangian Floer Cohomology. Progress in Mathematics, 2012, , 109-145.	0.3	31
23	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
24	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
25	Algorithm for generating a Brownian motion on a sphere. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 505001.	2.1	26
26	A duality exact sequence for legendrian contact homology. Duke Mathematical Journal, 2009, 150, .	1.5	33
27	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
28	Isotopies of Legendrian 1-knots and Legendrian 2-tori. Journal of Symplectic Geometry, 2008, 6, 407-460.	0.5	15
29	Legendrian contact homology in $SP \times \mathbb{R}$. Transactions of the American Mathematical Society, 2007, 359, 3301-3336.	0.9	64
30	Morse flow trees and Legendrian contact homology in jet spaces. Geometry and Topology, 2007, 11, 1083-1224.	1.3	32
31	Regular homotopy and total curvature I: circle immersions into surfaces. Algebraic and Geometric Topology, 2006, 6, 459-492.	0.4	3
32	Regular homotopy and total curvature II: sphere immersions into space. Algebraic and Geometric Topology, 2006, 6, 493-512.	0.4	3
33	THE GROUP OF IMMERSIONS OF HOMOTOPY $(4k-1)$ -SPHERES. Bulletin of the London Mathematical Society, 2006, 38, 163-176.	0.8	4
34	ORIENTATIONS IN LEGENDRIAN CONTACT HOMOLOGY AND EXACT LAGRANGIAN IMMERSIONS. International Journal of Mathematics, 2005, 16, 453-532.	0.5	53
35	Computer simulations of polymer chain structure and dynamics on a hypersphere in four-space. Journal of Chemical Physics, 2005, 122, 184110.	3.0	8
36	Non-isotopic Legendrian submanifolds in R^{2n+1} . Journal of Differential Geometry, 2005, 71, .	1.1	52

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37	The contact homology of Legendrian submanifolds in \mathbb{R}^{2n+1} . Journal of Differential Geometry, 2005, 71, .	1.1	61
38	Geometric formulas for Smale invariants of codimension two immersions. Topology, 2003, 42, 171-196.	0.3	16
39	Brownian dynamics simulations on a hypersphere in 4-space. Journal of Chemical Physics, 2003, 119, 6423-6432.	3.0	20
40	Differential 3-knots in 5-space with and without self-intersections. Topology, 2001, 40, 157-196.	0.3	18
41	Invariants of generic immersions. Pacific Journal of Mathematics, 2001, 199, 321-346.	0.5	7
42	REGULAR HOMOTOPY AND VASSILIEV INVARIANTS OF GENERIC IMMERSIONS $S^k \rightarrow \mathbb{R}^k$, $k \geq 4$. Journal of Knot Theory and Its Ramifications, 1998, 07, 1041-1064.	0.3	5
43	Immersion in the metastable range and spin structures on surfaces. Mathematica Scandinavica, 1998, 83, 5.	0.2	6
44	Knot contact homology, string topology, and the cord algebra. Journal De L'Ecole Polytechnique - Mathematiques, 0, 4, 661-780.	0.0	6