

Matthew Hedden

List of Publications by Year in descending order

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840776

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#	ARTICLE	IF	CITATIONS
1	NOTIONS OF POSITIVITY AND THE OZSVÁTH–SZABÃ CONCORDANCE INVARIANT. <i>Journal of Knot Theory and Its Ramifications</i> , 2010, 19, 617-629.	0.3	66
2	Knot Floer homology of Whitehead doubles. <i>Geometry and Topology</i> , 2007, 11, 2277-2338.	1.3	66
3	Topologically slice knots with nontrivial Alexander polynomial. <i>Advances in Mathematics</i> , 2012, 231, 913-939.	1.1	40
4	On knot Floer homology and cabling. <i>Algebraic and Geometric Topology</i> , 2005, 5, 1197-1222.	0.4	37
5	On Floer homology and the Berge conjecture on knots admitting lens space surgeries. <i>Transactions of the American Mathematical Society</i> , 2011, 363, 949-949.	0.9	34
6	Khovanov module and the detection of unlinks. <i>Geometry and Topology</i> , 2013, 17, 3027-3076.	1.3	32
7	Grid Diagrams for Lens Spaces and Combinatorial Knot Floer Homology. <i>International Mathematics Research Notices</i> , 2008, 2008, .	1.0	27
8	On the geography and botany of knot Floer homology. <i>Selecta Mathematica, New Series</i> , 2018, 24, 997-1037.	1.0	24
9	Topologically slice knots of smooth concordance order two. <i>Journal of Differential Geometry</i> , 2016, 102, .	1.1	22
10	An OzsvÃth–SzabÃ Floer homology invariant of knots in a contact manifold. <i>Advances in Mathematics</i> , 2008, 219, 89-117.	1.1	20
11	Instantons, concordance, and Whitehead doubling. <i>Journal of Differential Geometry</i> , 2012, 91, .	1.1	20
12	Splicing knot complements and bordered Floer homology. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2016, 2016, .	0.9	13
13	On the functoriality of Khovanov–Floer theories. <i>Advances in Mathematics</i> , 2019, 345, 1162-1205.	1.1	7
14	The \mathcal{J} function of L -space knots is a Legendre transform. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 2018, 164, 401-411.	0.4	4
15	Satellites of infinite rank in the smooth concordance group. <i>Inventiones Mathematicae</i> , 2021, 225, 131-157.	2.5	4
16	Irreducible 3-manifolds that cannot be obtained by 0-surgery on a knot. <i>Transactions of the American Mathematical Society</i> , 2019, 372, 7619-7638.	0.9	3
17	The pillowcase and traceless representations of knot groups II: a Lagrangian–Floer theory in the pillowcase. <i>Journal of Symplectic Geometry</i> , 2018, 16, 721-815.	0.5	3
18	Four-dimensional aspects of tight contact 3-manifolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2025436118.	7.1	1