

Publications of Daniel Ruberman

1. *Knot concordance and Heegaard Floer homology invariants in branched covers* (with E. Grigsby and S. Strle). *Geometry & Topology* **12** (2008) 2249-2275 <http://www.msp.warwick.ac.uk/gt/2008/12-04/p051.xhtml>
2. *Dirac operators on manifolds with periodic ends* (with N. Saveliev). *Gökava Geometry and Topology Journal*, **1** (2007), 33-50. <http://gokovagt.org/journal/2007/jggt07-rubesave.pdf>
3. *Algebraic and Heegaard-Floer invariants of knots with slice Bing doubles* (with J. C. Cha and C. Livingston). *Math. Proc. Camb. Phil. Soc.*, **144**, No. 2 (2008), 403-410. <http://www.arxiv.org/abs/math.GT/0612419>, (2006).
4. *Topological triviality of smoothly knotted surfaces in 4-manifolds* (with H.-J. Kim), *Trans. Amer. Math. Soc.* **360** (2008) 5869-5881.
5. *Rohlin's invariant and gauge theory III. Homology 4-tori* (with N. Saveliev), *Geometry and Topology*, **9** (2005) Paper no. 47, pages 2079-2127.
6. *Casson-type invariants in dimension four* (with N. Saveliev), *Proceedings of the Fields-McMaster Conference on Geometry and Topology of Manifolds. Fields Institute Communications* **47** (2005), 281-306. <http://arxiv.org/abs/math.GT/0501090>
7. *Rohlin's invariant and gauge theory, I: Homology 3-tori* (with N. Saveliev), *Comm. Math. Helv.*, **9** (2004), no. 3, 618-646. <http://arxiv.org/math.GT/0302131>.
8. *Rohlin's invariant and gauge theory, II: Mapping tori* (with N. Saveliev), *Geometry and Topology*, **8** (2004) Paper no. 2, pages 35-76.
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10. *Positive scalar curvature, diffeomorphisms, and the Seiberg-Witten equations.*, *Geometry and Topology*, Vol. 5 (2001) Paper no. 28, pages 895-924.
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12. *Embedding tangles in links*, *J. Knot Theory Ramif.* **9** (2000), no. 4, 523-530.
13. *A polynomial invariant of diffeomorphisms of 4-manifolds*, *Geometry and Topology Monographs* **2** (1999), 473-487.
14. *Mutation and gauge theory. I. Yang-Mills invariants*, *Comment. Math. Helv.* **74** (1999), no. 4, 615-641.
15. *An obstruction to smooth isotopy in dimension 4*, *Math. Res. Lett.* **5** (1998), 743-758.
16. *A sextic surface cannot have 66 nodes* (with D. Jaffe), *J. Alg. Geom.* **6** (1997), 151-168.
17. *Null-homotopic embedded codimension-one spheres*, pages 229-232 in "Tight and taut submanifolds," Cambridge Univ. Press, Cambridge (1997).
18. *A fake $\mathbf{CP}^2 \# \mathbf{RP}^4$* (with R. Stern), *Math. Res. Lett.* **4** (1997), 375-378.
19. *Relations among Donaldson invariants arising from negative 2-spheres and tori*, *Duke Math. J.* **83** (1996), 645-660.
20. *Configurations of 2-spheres in the K3 surface and other 4-manifolds*, *Math. Proc. Camb. Phil. Soc.* **120** (1996), 247-253.
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28. *Mutation and the η -invariant* (with R. Meyerhoff), *J. Diff. Geom.* **31** (1990), 101-130.
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31. *Rational homology cobordisms of rational space forms*, *Topology* **27** (1988), 401-414.
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