学術論文・著書リスト

松本堯生 (Takao Matumoto)

50) 松本堯生: 微分トポロジーの誕生と発展－50年代から70年代初頭までといくつかの未解決問題－, 数学, 日本数学会, 69 (2017), 91-98.

49) Kamada, Seiichi and Matumoto, Takao: Chart descriptions of regular braided surfaces, Topology Appl., 230 (2017), 218-232.

48) Matumoto, Takao; Chijiwa, Tomohiro: Exhibition of Mathematical Methods (English Translation of Sanpo-Hakki 算法発揮). RIMS Kokyuroku 1831 (2013), 130-157.

47) 松本堯生(訳): ハーシュ：微分トポロジー. シュプリンガー数学クラシックス 25 (2012).

46) Matumoto, Takao: On the smooth unknotting conjecture in dimension four. RIMS Kokyuroku 1766 (2011), 1-14.

45) Matumoto, Takao; Nakagawa, Noriaki: Complement to explicit description of Hopf surfaces and their automorphism groups. Osaka J. Math. 48 (2011), 583-588.

44) 松本堯生：関孝和の数学「消去法と行列式」. 数学文化 10(2008年7月), 31-37.

43) Matumoto, Takao: Sanpo-hakki 算法発揮 the first published book on determinants and the related works by Seki and others. International conference 'History of Mathematics of Seki Takakazu (1642?-1708), Tokyo, August 2008'.

42) Matumoto, Takao; Nishimoto, Tetsu: Lusternik-Schnirelmann π_1-category of non-simply connected simple Lie groups. Topology Appl. 154 (2007), 1931-1941.

41) Matumoto, Takao: Erratum to: "A gap theorem for Lusternik-Schnirelmann π_1-category". Topology Appl. 153 (2006), 1956-1958.

40) Kamada, Seiichi; Matsumoto, Yukio; Matumoto, Takao; Waki, Keita: Chart description and a new proof of the classification theorem of genus one Lefschetz fibrations. J. Math. Soc. Japan 57 (2005), 537-555.

39) Kamada, Seiichi; Kawauchi, Akio; Matumoto, Takao: Combinatorial moves on ambient isotopic submanifolds in a manifold. J. Math. Soc. Japan 53 (2001), 321-331.

38) Matumoto, Takao; Nakagawa, Noriaki: Explicit description of Hopf surfaces and their automorphism groups. Osaka J. Math. 37 (2000), 417-424.

37) Matumoto, Takao; Ohkawa, Tetsusuke: On epimorphisms and monomorphisms in the homotopy category of CW complexes. Japan. J. Math. (N.S.) 26 (2000), 153-156.

36) Matumoto, Takao: Cusp equivalence between smooth embeddings of the 2-sphere in 4-space. Proceedings of the Kirbyfest (Berkeley, CA, 1998), 343-348 (electronic), Geom. Topol. Monogr., 2.

35) Laitinen, Erkki; Matumoto, Takao:A gap theorem for Lusternik-Schnirelmann π_1-category. Topology Appl. 93 (1999), 35-40.

34) Kurazono, Ichiji; Matumoto, Takao: Classification of closed oriented 4-manifolds modulo connected sum with simply connected manifolds. Hiroshima Math. J. 28 (1998), no. 2, 207-212.

33) Matumoto, Takao; Katanaga, Atsuko: On 4-dimensional closed manifolds with free fundamental groups. Hiroshima Math. J. 25 (1995), 367-370.

32) Matumoto, Takao: Lusternik-Schnirelmann category and knot complement. II. Topology 34 (1995), no. 1, 177-184.

31) Matumoto, Takao: Any statistical manifold has a contrast function-on the C^3-functions taking the minimum at the diagonal of the product manifold. Hiroshima Math. J. 23 (1993), no. 2, 327-332.

30) Komatsu, Kazushi; Matumoto, Takao: Knot-link theory and Lusternik-Schnirelmann category. Algebra and topology 1992 (Taejuon), 211-216, Korea Adv. Inst. Sci. Tech., Taejuon, 1992.

29) Matumoto, Takao: Homologically trivial smooth involutions on K3 surfaces. Aspects of low-dimensional manifolds. 365-376, Adv. Stud. Pure Math., 20, Kinokuniya, Tokyo, 1992.

28) Matumoto, Takao: Lusternik-Schnirelmann category of a fibered knot complement with fiber a punctured torus. Knots 90, 407-415, de Gruyter, Berlin, 1992.

27) Matumoto, Takao: Lusternik-Schnirelmann category of ribbon knot complement. Proc. Amer. Math. Soc. 114 (1992), no. 3, 873-876.

26) Matumoto, Takao: Lusternik-Schnirelmann category and knot complement. J. Fac. Sci. Univ. Tokyo Sect. IA Math. 37 (1990), no. 1, 103-107.

25) Matumoto,Takao: Three Riemannian metrics on the moduli space of BPST-instantons over S^4. Hiroshima Math. J. 19 (1989), no. 1, 221-224.

24) Matumoto, Takao: Any group is represented by an outerautomorphism group. Hiroshima Math. J. 19 (1989), no. 1, 209-219.

23) Matumoto, Takao: Equivariant CW complexes and shape theory. Tsukuba J. Math. 13 (1989), no. 1, 157-164.

22) Matumoto, Takao: Hyperbolic metric on the moduli space of BPST-instantons over S^4. A fête of topology, 557-561, Academic Press, Boston, MA, 1988.

21) Doi, Hideo; Matsumoto, Yukio; Matumoto, Takao: An explicit formula of the metric on the moduli space of BPST-instantons over S^4. A fête of topology, 543-556, Academic Press, Boston, MA, 1988.

20) Matumoto, Takao; Shiota, Masahiro: Unique triangulation of the orbit space of

a differentiable transformation group and its applications. Homotopy theory and related topics (Kyoto, 1984), 41-55, Adv. Stud. Pure Math.,9, North-Holland, Amsterdam, 1987.

19) Matumoto, Takao: On diffeomorphisms of a K3 surface. Algebraic and topological theories (Kinosaki, 1984), 616-621, Kinokuniya, Tokyo, 1986.

18) Matumoto, Takao: Shiota, Masahiro Proper subanalytic transformation groups and unique triangulation of the orbit spaces. Transformation groups, Poznan 1985, 290-302, Lecture Notes in Math., 1217, Springer, Berlin, 1986.

17) Chen, Xu-Yan; Matumoto, Takao: On generic 1-parameter families of C^∞-maps of an n-manifold into a (2n-1)-manifold. Hiroshima Math. J. 14 (1985), no. 3, 547-550.

16) Matumoto, Takao: A complement to the theory of G-CW complexes. Japan. J. Math. (N.S.) 10 (1984), no. 2, 353-374.

15) Matumoto, Takao; Minami, Norihiko; Sugawara, Masahiro: On the set of free homotopy classes and Brown's construction. Hiroshima Math. J. 14 (1984), no. 2, 359-369.

14) Matumoto, Takao: On a weakly unknotted 2-sphere in a simply-connected 4-manifold. Osaka J. Math. 21 (1984), no. 3, 489-492.

13) Matumoto, Takao: Extension problem of diffeomorphisms of a 3-torus over some 4-manifolds. Hiroshima Math. J. 14 (1984), 189-201.

12) Kawauchi, Akio; Matumoto, Takao: An estimate of infinite cyclic coverings and knot theory. Pacific J. Math. 90 (1980), no. 1, 99-103.

11) Matumoto, Takao: On homotopy equivalences of $S^2 \times RP^2$ to itself. J. Math. Kyoto Univ. 19 (1979), no. 1, 1-17.

10) Matumoto, Takao: On the minimal ordered Morse functions on compact simply-connected manifolds. Publ. Res. Inst. Math. Sci. 14 (1978), no. 3, 673-684.

9) Matumoto, T.; Siebenmann, L.: The topological s-cobordism theorem fails in dimension 4 or 5. Math. Proc. Cambridge Philos. Soc. 84 (1978), no. 1, 85-87.

8) Matumoto, Takao: Triangulation of manifolds. Algebraic and geometric topology (Proc. Sympos. Pure Math., Stanford Univ., Stanford, Calif., 1976), Part 2, pp. 3-6, Proc. Sympos. Pure Math., XXXII, Amer. Math. Soc., Providence, R.I., 1978.

7) Matumoto, Takao: On the signature invariants of a non-singular complex sesquilinear form. J. Math. Soc. Japan 29 (1977), 67-71.

6) Matumoto, Takao: Varietes simpliciales d'homologie et varietes topologiques metrisables, Publ. Math. d'Orsay 1976.

5) Matumoto, Takao; Matsumoto, Yukio: The unstable difference between homology cobordism and piecewise linear block bundles. Tôhoku Math. J. (2) 27 (1975), 57-68.

4) Matumoto, Takao: Equivariant cohomology theories on G-CW complexes. Osaka J. Math.

10 (1973), 51-68.

3) <u>Matumoto, Takao</u>: The equivariant $\hat{K}^*$-group of the Hirzebruch-Mayer SO(n)-manifold. J. Math. Kyoto Univ. 13 (1973), 165-170.

2) <u>Matumoto, Takao</u>: On G-CW complexes and a theorem of J. H. C. Whitehead. J. Fac. Sci. Univ. Tokyo Sect. IA Math. 18 (1971), 363-374.

1) <u>Matumoto, Takao</u>: Equivalent K-theory and Fredholm operators. J. Fac. Sci. Univ. Tokyo Sect. I A Math. 18 (1971), 109-125.