

REFERENCES

- [1] Lagrangian embeddings and symplectic structures. Journées Raymond Couty de géométrie différentielle 1 et 2 octobre 1984. Département de Mathématiques Université de Limoges, 1985
- [2] Une théorie de Morse pour les systèmes hamiltoniens étoilés. Thèse de 3^{ème} cycle Université de Paris IX, 1985
- [3] Une théorie de Morse pour les systèmes hamiltoniens étoilés. *Comptes Rendus Acad. Sci. Paris, (1)* 301:487-489, 1985.
- [4] Intersections de sous-variétés lagrangiennes, fonctionnelles d'action et indice des systèmes hamiltoniens *Bull. Soc. Math. France* 115:361–390, 1987.
- [5] A proof of Weinstein's conjecture in $\mathbb{R}^{2n}$
Annales de l'Institut Henri Poincaré: Analyse non linéaire 4:337-356, 1987.
- [6] Equivariant Morse theory for starshaped Hamiltonian systems. *Trans. Amer. Math. Soc.* 311:621–655, 1989.
- [7] Indice de Morse des points critiques obtenus par minimax. *Annales de l'Institut Henri Poincaré: Analyse non linéaire* 5:221–225, 1988.
- [8] (avec Helmut Hofer) The Weinstein conjecture for Cotangent Bundles and related Results. *Annali Scuola Normale Superiore Pisa* 15:411-445, 1989.
- [9] (avec Andreas Floer et Helmut Hofer) The Proof of Weinstein Conjecture in $P \times \mathbb{C}$. *Math. Zeitschrift* 203: 469–482, 1989.
- [10] A New obstruction to embedding Lagrangian tori. *Inventiones Math.* 100:301–320, 1990.
- [11] *Systèmes Hamiltoniens et topologie symplectique*. Rapport d'Habilitation, Juin 89, Université de Paris 9, 1989.

- [12] (avec Helmut Hofer) The Weinstein conjecture in the presence of holomorphic spheres. *Comm. Pure Appl. Math.* 45:583-622, 1992.
- [13] Recent Progress in periodic orbits of autonomous Hamiltonian systems. *Nonlinear functional Analysis*, P. Milojevic ed. Marcel Dekker, 1990.
- [14] Capacités symplectiques et applications. *Séminaire Bourbaki, Juin 89, Exposé 714, Astérisque 177-178*, 1990.
- [15] Plongements lagrangiens et capacités symplectiques de tores dans $\mathbb{R}^{2n}$. *Comptes Rendus Acad. Sci. Paris, Série I* 311:487-490, 1990.
- [16] Une infinité de tores lagrangiens distincts ayant mêmes “invariants classiques”. *Comptes Rendus Acad. Sci. Paris, Série I* 311: 727-729, 1990.
- [17] Symplectic topology as the geometry of generating functions. *Mathematische Annalen* 292:685-710, 1992.
- [18] Properties of embedded Lagrange submanifolds *Actes du 1^{er} Congrès européen de Mathématique, Paris 1992* Birkhäuser, 1994.
- [19] Une introduction à la topologie symplectique. *Gazette des Mathématiciens* 54:81-96, 1992.
- [20] Generating functions, Symplectic Geometry and Applications *Actes du Congrès International des Mathématiciens, Zürich, 1994* Birkhäuser, 1995.
- [21] Some remarks on Massey products, tied cohomology classes and Lusternik-Shnirelman category *Duke Math Journal* 86 ,1997.
- [22] The cup-product on the Thom-Smale-Witten complex, and Floer cohomology *Andreas Floer Memorial volume, H. Hofer, A. Weinstein, E. Zehnder eds.*, Birkhäuser, 1995.

- [23] Exact Lagrange submanifolds, periodic orbits and the cohomology of free loops spaces. *J. of Differential Geometry* 47:420-468, 1997.
- [24] Solutions d'équations d'Hamilton-Jacobi. *Séminaire d'EDP de l'École Polytechnique* 1996.
- [25] with A. Ottolenghi, *Solutions d'équations d'Hamilton-Jacobi et géométrie symplectique*, Preprint, 1995
<http://math.polytechnique.fr/cmat/viterbo/Semi.HJ.dvi>.
- [26] Functors and computations in Floer cohomology with applications I. *Geometry and Functional Analysis* 9:985–1033, 1999.
- [27] Functors and computations in Floer cohomology with applications II. arXiv:1805.01316 .
- [28] Metric and Isoperimetric inequalities in symplectic geometry. *J. of the American Math. Soc.* 13: 411–431 (2000).
- [29] Symplectic Real Algebraic Geometry, (unpublished).
- [30] (avec Y. Laszlo) Estimates of Characteristic numbers of real algebraic varieties *Topology* 45, 2 (2006) 261-280.
- [31] *Symplectic topology and Hamilton-Jacobi equations*. Actes du Colloque du CRM, Université de Montréal. Springer-Verlag, 2006.
- [32] On the uniqueness of generating Hamiltonian for continuous limits of Hamiltonians flows. *IMRN* (2006), article ID 34028
- [33] (with F.Cardin) Commuting Hamiltonians and Hamilton-Jacobi multi-time equations, *Duke Math. Journal*, vol. 144, Number 2 (2008), 235-284.
- [34] Symplectic Homogenization, *J. Ecole polytechnique*, vol. 10 (2023), pp. 67-140

- [35] (with A. Sorrentino) Action minimizing properties and distances on the group of Hamiltonian diffeomorphisms. *Geometry & Topology* 14 (2010) 2383–2403.
- [36] (with A. Oancea) On the topology of fillings of contact manifolds and applications, *Comm. Math. Helv.* Volume 87, Issue 1, 2012, pp. 41–69.
- [37] (with D LePeutrec and F. Nier) Precise Arrhenius law for p-forms: The Witten Laplacian and Morse-Barannikov complex. *Annales Henri Poincaré*, vol 14 (3) 2013, pp. 567-610.
- [38] Non-convex Mather’s theory and the Conley conjecture on the cotangent bundle of the torus,. arXiv:1807.09461 (TO appear in Journal of Modern Dynamics.)
- [39] Sheaf Quantization of Lagrangians and Floer cohomology. arXiv:1901.09440
- [40] Barcodes and area-preserving homeomorphisms (with F. Le Roux and S. Seyfaddini) *Geometry & Topology* 25 (2021) 2713-2825
- [41] Appendix to Saint-Raymond, Laure and Wilkinson, Mark, On collision invariants for Linear scattering. *Communications in Pure and Applied Math.*, vol. 71(8), 2018, pp. 1494-1534.
- [42] (with D. LePeutrec and F. Nier) Bar codes of persistent cohomology and Arrhenius law for p-forms. *Astérisque*, vol. 450, Société Mathématique de France.
- [43] Stochastic homogenization for variational solutions of Hamilton-Jacobi equations. arXiv:2105.04445 (To appear in Analysis & PDE)
- [44] (with S. Guillermou) The singular support of sheaves is γ -coisotropic. *Geometry*

- and Functional Analysis*, vol. 34, pp. 1052-1113 (2024). <https://doi.org/10.1007/s00039-024-00682-x>
- [45] Inverse reduction inequalities for spectral numbers and applications. arXiv:2203.13172
 - [46] On the supports in the Humilière completion and γ -coisotropic sets arXiv:2204.04133 (submitted to *Compositio*)
 - [47] (with Marie-Claude Arnaud and Vincent Humilière) Higher dimensional Birkhoff attractors. arXiv 2404.00804 (submitted to *Journal de l'École polytechnique*)
 - [48] (with T. Asano, S. Guillermou, V. Humilière, Y. Ike) The γ -support is the reduced singular support. *Comptes rendus Mathématique*, vol 361(2023), p. 1333-1340 (<https://doi.org/10.5802/crmaths.499>)
 - [49] (with T. Asano, S. Guillermou, Y. Ike) Regular Lagrangians are smooth Lagrangians. arXiv: 2407.00395