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PUBLICATIONS AND PREPRINTS

The list together with links is also at: [Publication list](#)
Quantum characteristic classes and the Hofer metric, Geometry & Topology, 12 (2008), pp. 2277–2326.
Virtual Morse theory on ω Ham(M, ω), J. Differ. Geom., 84 (2010), pp. 409–425.
Bott periodicity and stable quantum classes, Selecta Math., (2013) 19: 439-460
Gromov K-area and jumping curves in \mathbb{CP}^n , Algebraic and Geometric Topology, (2012), 2317–2327
Proof of the index conjecture in Hofer geometry, Math. Res. Letters, (2013), Volume 20, 981-984
Morse theory for the Hofer length functional, Journal of topology and analysis, 08, (2013); 06(02),
On the injectivity radius in Hofer geometry, with Francois Lalonde, Electronic Research announcements, Vol 21, 177-185, (2014)
Yang Mills theory and jumping curves, Intern. Journ. of Math., (2015); 26, 13 pgs,
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Floer theory and topology of $\text{Diff}(S^2)$, Journal of symplectic geometry, vol 3, 7253-7267, (2017)
Extended Fuller index, sky catastrophes and the Seifert conjecture, Inter. J. Math., (2018), pg 1-22, <https://doi.org/10.1142/S0129167X18500969>
Mean curvature versus diameter and energy quantization, Annales mathématiques du Quebec, 1-7, (2019), 10.1007/s40316-019-00127-0
K-theoretic invariants of Hamiltonian fibrations, (with Egor Shelukhin), Journal of Symplectic Geometry, Vol. 18, No. 1 (2020), pp. 251-289.
Pseudoholomorphic curves on the lcs-ification of contact manifolds, (With Yong-Geun Oh), 55 pages, Advances in Geometry, (Accepted), 2022
Global Fukaya category I, 57 pages, IMRN (Accepted), 2022

SUBMITTED

Global Fukaya category II: singular connections, quantum obstruction theory, and other applications, 44 pages
A conformal symplectic Weinstein conjecture, 29 pages
Locally conformally symplectic deformation of Gromov non-squeezing, 9 pages
Incompleteness for stably computable formal systems, 23 pages
Smooth simplicial sets and universal Chern-Weil homomorphism, 40 pages

MANUSCRIPTS (AVAILABLE ON ARXIV)

Simultaneous Go via quantum collapse

Spectral geometry of the group of Hamiltonian symplectomorphisms

On the topology of the space of stable curves