Stefan Waldmann

List of Publications by Year
in descending order

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44 papers	602 citations	759233 12 h-index	642732 23 g-index
45 all docs	45 docs citations	45 times ranked	120 citing authors

#	Article	IF	Citations
1	Homogeneous Fedosov Star Products on Cotangent Bundles I: Weyl and Standard Ordering with Differential Operator Representation. Communications in Mathematical Physics, 1998, 198, 363-396.	2.2	78
2	Formal GNS Construction and States in Deformation Quantization. Communications in Mathematical Physics, 1998, 195, 549-583.	2.2	60
3	BRST Cohomology and Phase Space Reduction in Deformation Quantization. Communications in Mathematical Physics, 2000, 210, 107-144.	2.2	50
4	Homogeneous Fedosov star products on cotangent bundles II: GNS representations, the WKB expansion, traces, and applications. Journal of Geometry and Physics, 1999, 29, 199-234.	1.4	49
5	The Characteristic Classes of Morita Equivalent Star Products on Symplectic Manifolds. Communications in Mathematical Physics, 2002, 228, 103-121.	2.2	39
6	STATES AND REPRESENTATIONS IN DEFORMATION QUANTIZATION. Reviews in Mathematical Physics, 2005, 17, 15-75.	1.7	36
7	Algebraic Rieffel induction, formal Morita equivalence, and applications to deformation quantization. Journal of Geometry and Physics, 2001, 37, 307-364.	1.4	32
8	On representations of star product algebras over cotangent spaces on Hermitian line bundles. Journal of Functional Analysis, 2003, 199, 1-47.	1.4	23
9	Convergence of the Wick Star Product. Communications in Mathematical Physics, 2007, 272, 25-52.	2.2	21
10	Completely positive inner products and strong Morita equivalence. Pacific Journal of Mathematics, 2005, 222, 201-236.	0.5	14
11	*-IDEALS AND FORMAL MORITA EQUIVALENCE OF *-ALGEBRAS. International Journal of Mathematics, 2001, 12, 555-577.	0.5	13
12	Involutions and representations for reduced quantum algebras. Advances in Mathematics, 2010, 224, 2583-2644.	1.1	13
13	A nuclear Weyl algebra. Journal of Geometry and Physics, 2014, 81, 10-46.	1.4	13
14	Deformation theory of Courant algebroids via the Rothstein algebra. Journal of Pure and Applied Algebra, 2015, 219, 3391-3426.	0.6	13
15	Locality in GNS Representations of Deformation Quantization. Communications in Mathematical Physics, 2000, 210, 467-495.	2.2	12
16	LOCALLY NONCOMMUTATIVE SPACE-TIMES. Reviews in Mathematical Physics, 2007, 19, 273-305.	1.7	11
17	On positive deformations of *-algebras. , 2000, , 69-80.		11
18	Hermitian Star Products are Completely Positive Deformations. Letters in Mathematical Physics, 2005, 72, 143-152.	1.1	10

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19	Complete positivity of Rieffelâ€™s deformation quantization by actions of $mathbb{R}^d$. Journal of Noncommutative Geometry, 2009, 3, 361-375.	0.5	10
20	The H-covariant strong Picard groupoid. Journal of Pure and Applied Algebra, 2006, 205, 542-598.	0.6	9
21	KMS states and star product quantization. Reports on Mathematical Physics, 1999, 44, 45-52.	0.8	8
22	Traces for Star Products on the Dual of a Lie Algebra. Reviews in Mathematical Physics, 2003, 15, 425-445.	1.7	8
23	Formal deformations of Dirac structures. Journal of Geometry and Physics, 2007, 57, 1015-1036.	1.4	7
24	A C *-Algebraic Model for Locally Noncommutative Spacetimes. Letters in Mathematical Physics, 2007, 80, 257-272.	1.1	6
25	Strict deformation quantization of locally convex algebras and modules. Journal of Geometry and Physics, 2016, 99, 111-144.	1.4	6
26	Convergent star products for projective limits of Hilbert spaces. Journal of Functional Analysis, 2018, 274, 1381-1423.	1.4	6
27	Obstructions for twist star products. Letters in Mathematical Physics, 2018, 108, 1341-1350.	1.1	6
28	A universal construction of universal deformation formulas, Drinfeld twists and their positivity. Pacific Journal of Mathematics, 2017, 291, 319-358.	0.5	5
29	Convergence of star products: From examples to a general framework. EMS Surveys in Mathematical Sciences, 2019, 6, 1-31.	1.4	5
30	A remark on the deformation of GNS representations of *-algebras. Reports on Mathematical Physics, 2001, 48, 389-396.	0.8	4
31	Classification of Equivariant Star Products on Symplectic Manifolds. Letters in Mathematical Physics, 2016, 106, 675-692.	1.1	4
32	A convergent star product on the PoincarÃ© disc. Journal of Functional Analysis, 2019, 277, 2734-2771.	1.4	4
33	Deformation of Hermitian Vector Bundles and Non-Commutative Field Theory. Progress of Theoretical Physics Supplement, 2001, 144, 167-175.	0.1	3
34	BRST Reduction of Quantum Algebras with $*$-Involutions. Communications in Mathematical Physics, 2020, 378, 1391-1416.	2.2	3
35	Classification of Invariant Star Products up to Equivariant Morita Equivalence on Symplectic Manifolds. Letters in Mathematical Physics, 2012, 100, 203-236.	1.1	2
36	Comparison and continuity of Wick-type star products on certain coadjoint orbits. Forum Mathematicum, 2019, 31, 1203-1223.	0.7	2

#	Article	IF	Citations
37	Morita Equivalence of Formal Poisson Structures. International Mathematics Research Notices, 0, , .	1.0	2
38	Morita equivalence bimodules for Wick type star products. Journal of Geometry and Physics, 2003, 47, 177-196.	1.4	1
39	Nuclear Group Algebras for Finitely Generated Groups. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2020, 27, .	0.2	1
40	Deformation and Hochschild cohomology of coisotropic algebras. Annali Di Matematica Pura Ed Applicata, 0, , 1.	1.0	1
41	Convergent star products on cotangent bundles of Lie groups. Mathematische Annalen, 0, , 1.	1.4	1
42	Morita theory in deformation quantization. Bulletin of the Brazilian Mathematical Society, 2011, 42, 831-852.	0.8	0
43	Mini-Workshop: Deformation quantization: between formal to strict. Oberwolfach Reports, 2015, 12, 571-595.	0.0	0
44	A Serreâ€“Swan theorem for coisotropic algebras. Pacific Journal of Mathematics, 2022, 316, 277-306.	0.5	0