

# Alexander Schenkel

## List of Publications by Year in descending order

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docs citations

48  
times ranked

163  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homotopical Analysis of 4d Chern-Simons Theory and Integrable Field Theories. Communications in Mathematical Physics, 2022, 389, 1417-1443.	2.2	8
2	Relative Cauchy Evolution for Linear Homotopy AQFTs. Communications in Mathematical Physics, 2022, 392, 621-657.	2.2	3
3	Smooth 1-Dimensional Algebraic Quantum Field Theories. Annales Henri Poincare, 2022, 23, 2069-2111.	1.7	2
4	Operads for algebraic quantum field theory. Communications in Contemporary Mathematics, 2021, 23, 2050007.	1.2	12
5	Categorification of algebraic quantum field theories. Letters in Mathematical Physics, 2021, 111, 1.	1.1	3
6	Batalin-Vilkovisky quantization of fuzzy field theories. Letters in Mathematical Physics, 2021, 111, 1.	1.1	6
7	Model-Independent Comparison Between Factorization Algebras and Algebraic Quantum Field Theory on Lorentzian Manifolds. Communications in Mathematical Physics, 2020, 377, 971-997.	2.2	8
8	Linear Yang-Mills Theory as a Homotopy AQFT. Communications in Mathematical Physics, 2020, 378, 185-218.	2.2	11
9	Dirac operators on noncommutative hypersurfaces. Journal of Geometry and Physics, 2020, 158, 103917.	1.4	1
10	Homological perspective on edge modes in linear Yang-Mills and Chern-Simons theory. Letters in Mathematical Physics, 2020, 110, 1559-1584.	1.1	11
11	Algebraic field theory operads and linear quantization. Letters in Mathematical Physics, 2019, 109, 2531-2570.	1.1	5
12	Higher Structures in Algebraic Quantum Field Theory. Fortschritte Der Physik, 2019, 67, 1910015.	4.4	13
13	Homotopy theory of algebraic quantum field theories. Letters in Mathematical Physics, 2019, 109, 1487-1532.	1.1	23
14	Cheeger-Simons differential characters with compact support and Pontryagin duality. Communications in Analysis and Geometry, 2019, 27, 1473-1522.	0.4	0
15	The Stack of Yang-Mills Fields on Lorentzian Manifolds. Communications in Mathematical Physics, 2018, 359, 765-820.	2.2	11
16	Algebraic Quantum Field Theory on Spacetimes with Timelike Boundary. Annales Henri Poincare, 2018, 19, 2401-2433.	1.7	22
17	Differential cohomology and locally covariant quantum field theory. Reviews in Mathematical Physics, 2017, 29, 1750003.	1.7	7
18	Non-existence of natural states for Abelian Chern-Simons theory. Journal of Geometry and Physics, 2017, 116, 119-123.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Noncommutative Principal Bundles Through Twist Deformation. Communications in Mathematical Physics, 2017, 352, 287-344.	2.2	11
20	Quantum Field Theories on Categories Fibered in Groupoids. Communications in Mathematical Physics, 2017, 356, 19-64.	2.2	13
21	Global Anomalies on Lorentzian Space-Times. Annales Henri Poincare, 2017, 18, 2693-2714.	1.7	4
22	Wavefront sets and polarizations on supermanifolds. Journal of Mathematical Physics, 2017, 58, 023504.	1.1	0
23	Mapping spaces and automorphism groups of toric noncommutative spaces. Letters in Mathematical Physics, 2017, 107, 1591-1628.	1.1	5
24	Poisson Algebras for Non-Linear Field Theories in the Cahiers Topos. Annales Henri Poincare, 2017, 18, 1435-1464.	1.7	5
25	Abelian Duality on Globally Hyperbolic Spacetimes. Communications in Mathematical Physics, 2017, 349, 361-392.	2.2	9
26	Nonassociative geometry in quasi-Hopf representation categories II: Connections and curvature. Journal of Geometry and Physics, 2016, 106, 234-255.	1.4	17
27	Supergeometry in Locally Covariant Quantum Field Theory. Communications in Mathematical Physics, 2016, 342, 615-673.	2.2	6
28	Homotopy Colimits and Global Observables in Abelian Gauge Theory. Letters in Mathematical Physics, 2015, 105, 1193-1222.	1.1	17
29	Locally Covariant Quantum Field Theory with External Sources. Annales Henri Poincare, 2015, 16, 2303-2365.	1.7	9
30	Nonassociative geometry in quasi-Hopf representation categories I: Bimodules and their internal homomorphisms. Journal of Geometry and Physics, 2015, 89, 111-152.	1.4	33
31	Module parallel transports in fuzzy gauge theory. International Journal of Geometric Methods in Modern Physics, 2014, 11, 1450021.	2.0	0
32	Quantum Field Theory on Affine Bundles. Annales Henri Poincare, 2014, 15, 171-211.	1.7	11
33	Quantized Abelian Principal Connections on Lorentzian Manifolds. Communications in Mathematical Physics, 2014, 330, 123-152.	2.2	26
34	A $C^*$ -Algebra for Quantized Principal $U(1)$ -Connections on Globally Hyperbolic Lorentzian Manifolds. Communications in Mathematical Physics, 2014, 332, 477-504.	2.2	23
35	Noncommutative connections on bimodules and Drinfeld twist deformation. Advances in Theoretical and Mathematical Physics, 2014, 18, 513-612.	0.6	37
36	Linear bosonic and fermionic quantum gauge theories on curved spacetimes. General Relativity and Gravitation, 2013, 45, 877-910.	2.0	26

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37	Quantization of the massive gravitino on FRW spacetimes. <i>Physical Review D</i> , 2012, 85, .	4.7	7
38	QFT on homothetic Killing twist deformed curved spacetimes. <i>General Relativity and Gravitation</i> , 2011, 43, 2605-2630.	2.0	2
39	Spacetime noncommutativity in models with warped extradimensions. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	2
40	Algebraic approach to quantum field theory on a class of noncommutative curved spacetimes. <i>General Relativity and Gravitation</i> , 2010, 42, 2785-2798.	2.0	6
41	High energy improved scalar quantum field theory from noncommutative geometry without UV/IR-mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 694, 258-260.	4.1	3
42	Field Theory on Curved Noncommutative Spacetimes. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 2010, , .	0.5	10
43	Preferred foliation effects in quantum general relativity. <i>Classical and Quantum Gravity</i> , 2010, 27, 135014.	4.0	3
44	Cosmological and black hole spacetimes in twisted noncommutative gravity. <i>Journal of High Energy Physics</i> , 2009, 2009, 052-052.	4.7	43
45	Symmetry reduction in twisted noncommutative gravity with applications to cosmology and black holes. <i>Journal of High Energy Physics</i> , 2009, 2009, 084-084.	4.7	10
46	Dirac Operators on Noncommutative Curved Spacetimes. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	0
47	On the Relationship between Classical and Deformed Hopf Fibrations. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 0, , .	0.5	1