Andreas Bernig

List of Publications by Year
in descending order

29 papers	665 citations	687363 13 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	76 citing authors

#	Article	IF	Citations
1	Hermitian integral geometry. Annals of Mathematics, 2011, 173, 907-945.	4.2	108
2	Harmonic Analysis of Translation Invariant Valuations. Geometric and Functional Analysis, 2011, 21, 751-773.	1.8	75
3	Projection bodies in complex vector spaces. Advances in Mathematics, 2011, 227, 830-846.	1.1	71
4	Integral geometry of complex space forms. Geometric and Functional Analysis, 2014, 24, 403-492.	1.8	55
5	A Hadwiger-Type Theorem for the Special Unitary Group. Geometric and Functional Analysis, 2009, 19, 356-372.	1.8	48
6	Convolution of convex valuations. Geometriae Dedicata, 2007, 123, 153-169.	0.3	41
7	The product on smooth and generalized valuations. American Journal of Mathematics, 2012, 134, 507-560.	1.1	33
8	Kinematic formulas for tensor valuations. Journal Fur Die Reine Und Angewandte Mathematik, 2018, 2018, 141-191.	0.9	25
9	Algebraic Integral Geometry. Springer Proceedings in Mathematics, 2012, , 107-145.	0.5	25
10	Integral geometry under G2 and Spin(7). Israel Journal of Mathematics, 2011, 184, 301-316.	0.8	23
11	Invariant valuations on quaternionic vector spaces. Journal of the Institute of Mathematics of Jussieu, 2012, 11, 467-499.	0.7	21
12	Classification of invariant valuations on the quaternionic plane. Journal of Functional Analysis, 2014, 267, 2933-2961.	1.4	17
13	A product formula for valuations on manifolds with applications to the integral geometry of the quaternionic line. Commentarii Mathematici Helvetici, 2009, 84, 1-19.	0.7	16
14	Courbures intrinsèques dans les catégories analytico-géométriques. Annales De L'Institut Fourier, 2003, 53, 1897-1924.	0.6	15
15	Valuation theory of indefinite orthogonal groups. Journal of Functional Analysis, 2017, 273, 2167-2247.	1.4	14
16	The isoperimetrix in the dual Brunn–Minkowski theory. Advances in Mathematics, 2014, 254, 1-14.	1.1	12
17	Spin-invariant valuations on the octonionic plane. Israel Journal of Mathematics, 2016, 214, 831-855.	0.8	11
18	Dual Curvature Measures in Hermitian Integral Geometry. Springer INdAM Series, 2018, , 1-17.	0.5	10

#	Article	IF	Citations
19	Generalized translation invariant valuations and the polytope algebra. Advances in Mathematics, 2016, 290, 36-72.	1.1	9
20	Curvature tensors of singular spaces. Differential Geometry and Its Applications, 2006, 24, 191-208.	0.5	7
21	Kinematic formulas on the quaternionic plane. Proceedings of the London Mathematical Society, 2017, 115, 725-762.	1.3	7
22	Natural operations on differential forms on contact manifolds. Differential Geometry and Its Applications, 2017, 50, 34-51.	0.5	6
23	Convolution of valuations on manifolds. Journal of Differential Geometry, 2017, 107, .	1.1	4
24	Uniqueness of Curvature Measures in Pseudo-Riemannian Geometry. Journal of Geometric Analysis, 2021, 31, 11819-11848.	1.0	4
25	Curvature measures of pseudo-Riemannian manifolds. Journal Fur Die Reine Und Angewandte Mathematik, 2022, 2022, 77-127.	0.9	3
26	Integral Geometry and Algebraic Structures for Tensor Valuations. Lecture Notes in Mathematics, 2017, , 79-109.	0.2	2
27	Dual area measures and local additive kinematic formulas. Geometriae Dedicata, 2019, 203, 85-110.	0.3	1
28	FLAG AREA MEASURES. Mathematika, 2019, 65, 958-989.	0.5	1
29	Additive kinematic formulas for flag area measures. Mathematische Annalen, 2021, 381, 1615-1652.	1.4	1