

Andreas Cap

List of Publications by Year in descending order

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46
papers

1,185
citations

567281

15
h-index

395702

33
g-index

49
all docs

49
docs citations

49
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Bernstein-Gelfand-Gelfand Sequences. <i>Annals of Mathematics</i> , 2001, 154, 97.	4.2	143
2	On twisted tensor products of algebras. <i>Communications in Algebra</i> , 1995, 23, 4701-4735.	0.6	114
3	Tractor calculi for parabolic geometries. <i>Transactions of the American Mathematical Society</i> , 2001, 354, 1511-1548.	0.9	102
4	Parabolic geometries and canonical Cartan connections. <i>Hokkaido Mathematical Journal</i> , 2000, 29, 453.	0.3	88
5	Standard Tractors and the Conformal Ambient Metric Construction. <i>Annals of Global Analysis and Geometry</i> , 2003, 24, 231-259.	0.6	75
6	PROLONGATIONS OF GEOMETRIC OVERDETERMINED SYSTEMS. <i>International Journal of Mathematics</i> , 2006, 17, 641-664.	0.5	48
7	Weyl structures for parabolic geometries. <i>Mathematica Scandinavica</i> , 2003, 93, 53.	0.2	38
8	Correspondence spaces and twistor spaces for parabolic geometries. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2005, 2005, 143-172.	0.9	33
9	Infinitesimal automorphisms and deformations of parabolic geometries. <i>Journal of the European Mathematical Society</i> , 2008, 10, 415-437.	1.4	30
10	CR-tractors and the Fefferman space. <i>Indiana University Mathematics Journal</i> , 2008, 57, 2519-2570.	0.9	28
11	Einstein metrics in projective geometry. <i>Geometriae Dedicata</i> , 2014, 168, 235-244.	0.3	22
12	Projective BGG equations, algebraic sets, and compactifications of Einstein geometries. <i>Journal of the London Mathematical Society</i> , 2012, 86, 433-454.	1.0	20
13	Projective compactifications and Einstein metrics. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2016, 2016, 47-75.	0.9	19
14	On Distinguished Curves in Parabolic Geometries. <i>Transformation Groups</i> , 2004, 9, 143.	0.7	17
15	A holonomy characterisation of Fefferman spaces. <i>Annals of Global Analysis and Geometry</i> , 2010, 38, 399-412.	0.6	16
16	Invariant operators on manifolds with almost Hermitian symmetric structures, III. Standard operators. <i>Differential Geometry and Its Applications</i> , 2000, 12, 51-84.	0.5	13
17	NORMAL BGG SOLUTIONS AND POLYNOMIALS. <i>International Journal of Mathematics</i> , 2012, 23, 1250117.	0.5	13
18	Equivariant quantizations for AHS-structures. <i>Advances in Mathematics</i> , 2010, 224, 1717-1734.	1.1	12

#	ARTICLE	IF	CITATIONS
19	On Nurowski's conformal structure associated to a generic rank two distribution in dimension five. <i>Journal of Geometry and Physics</i> , 2009, 59, 901-912.	1.4	11
20	On automorphism groups of some types of generic distributions. <i>Differential Geometry and Its Applications</i> , 2009, 27, 769-779.	0.5	11
21	Subcomplexes in curved BGG-sequences. <i>Mathematische Annalen</i> , 2012, 354, 111-136.	1.4	11
22	Projective compactness and conformal boundaries. <i>Mathematische Annalen</i> , 2016, 366, 1587-1620.	1.4	10
23	Parabolic geometries, CR-tractors, and the Fefferman construction. <i>Differential Geometry and Its Applications</i> , 2002, 17, 123-138.	0.5	8
24	Relative BGG sequences; II. BGG machinery and invariant operators. <i>Advances in Mathematics</i> , 2017, 320, 1009-1062.	1.1	8
25	Essential Killing fields of parabolic geometries. <i>Indiana University Mathematics Journal</i> , 2013, 62, 1917-1953.	0.9	7
26	Pushing down the Rumin complex to conformally symplectic quotients. <i>Differential Geometry and Its Applications</i> , 2014, 35, 255-265.	0.5	7
27	Curved Casimir Operators and the BGG Machinery. <i>Symmetry, Integrability and Geometry: Methods and Applications (SIGMA)</i> , 2007, , .	0.5	7
28	Parabolic conformally symplectic structures I; definition and distinguished connections. <i>Forum Mathematicum</i> , 2018, 30, 733-751.	0.7	6
29	c-projective compactification; (quasi-)Kähler metrics and CR boundaries. <i>American Journal of Mathematics</i> , 2019, 141, 813-856.	1.1	6
30	Relative BGG sequences: I. Algebra. <i>Journal of Algebra</i> , 2016, 463, 188-210.	0.7	5
31	Parabolic conformally symplectic structures II: parabolic contactification. <i>Annali Di Matematica Pura Ed Applicata</i> , 2018, 197, 1175-1199.	1.0	5
32	Scalar curvature and projective compactness. <i>Journal of Geometry and Physics</i> , 2015, 98, 475-481.	1.4	4
33	Infinitesimally natural operators are natural. <i>Differential Geometry and Its Applications</i> , 1992, 2, 45-55.	0.5	3
34	Contact projective structures and chains. <i>Geometriae Dedicata</i> , 2010, 146, 67-83.	0.3	3
35	Conformally Invariant Operators via Curved Casimirs: Examples. <i>Pure and Applied Mathematics Quarterly</i> , 2010, 6, 693-714.	0.4	3
36	On multilinear operators commuting with Lie derivatives. <i>Annals of Global Analysis and Geometry</i> , 1995, 13, 251-279.	0.6	2

#	ARTICLE	IF	CITATIONS
37	Essential Killing fields of parabolic geometries: projective and conformal structures. Open Mathematics, 2013, 11, .	1.0	2
38	Conformal holonomy equals ambient holonomy. Pacific Journal of Mathematics, 2016, 285, 303-318.	0.5	2
39	A quantum-group-like structure on noncommutative 2-tori. Letters in Mathematical Physics, 1993, 28, 251-255.	1.1	1
40	Overdetermined Systems, Conformal Differential Geometry, and the BGG Complex. The IMA Volumes in Mathematics and Its Applications, 2008, , 1-24.	0.5	1
41	A Poisson transform adapted to the Rumin complex. Journal of Topology and Analysis, 2022, 14, 615-653.	0.5	1
42	Geometric theory of Weyl structures. Communications in Contemporary Mathematics, 2023, 25, .	1.2	1
43	Editorsâ€™ preface for the topical issue â€œFinite dimensional integrable systems, dynamics, and Lie theoretic methods in Geometry and Mathematical Physicsâ€. Central European Journal of Mathematics, 2012, 10, 1593-1595.	0.7	0
44	PARABOLIC COMPACTIFICATION OF HOMOGENEOUS SPACES. Journal of the Institute of Mathematics of Jussieu, 2019, , 1-38.	0.7	0
45	C1 DEFORMATIONS OF ALMOST GRASSMANNIAN STRUCTURES WITH STRONGLY ESSENTIAL SYMMETRY. Transformation Groups, 2020, , 1.	0.7	0
46	AHSâ€™ structures and affine holonomies. Proceedings of the American Mathematical Society, 2008, 137, 1073-1080.	0.8	0