

Jimmie Lawson

List of Publications by Year in descending order

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39
papers

559
citations

759233

12
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642732

23
g-index

41
all docs

41
docs citations

41
times ranked

149
citing authors

#	ARTICLE	IF	CITATIONS
1	Spaces of maximal points. <i>Mathematical Structures in Computer Science</i> , 1997, 7, 543-555.	0.6	102
2	Monotonic properties of the least squares mean. <i>Mathematische Annalen</i> , 2011, 351, 267-279.	1.4	88
3	Karcher means and Karcher equations of positive definite operators. <i>Transactions of the American Mathematical Society Series B</i> , 2014, 1, 1-22.	1.1	75
4	A general framework for extending means to higher orders. <i>Colloquium Mathematicum</i> , 2008, 113, 191-221.	0.3	34
5	Symmetric spaces with convex metrics. <i>Forum Mathematicum</i> , 2007, 19, .	0.7	30
6	Weighted means and Karcher equations of positive operators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15626-15632.	7.1	28
7	A Birkhoff Contraction Formula with Applications to Riccati Equations. <i>SIAM Journal on Control and Optimization</i> , 2007, 46, 930-951.	2.1	22
8	Weighted geometric means. <i>Forum Mathematicum</i> , 2012, 24, .	0.7	19
9	Stably compact spaces. <i>Mathematical Structures in Computer Science</i> , 2011, 21, 125-169.	0.6	16
10	Unit Balls, Lorentz Boosts, and Hyperbolic Geometry. <i>Results in Mathematics</i> , 2013, 63, 1225-1242.	0.8	16
11	Ordered probability spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 455, 167-179.	1.0	13
12	Symmetric Sets With Midpoints and Algebraically Equivalent Theories. <i>Resultate Der Mathematik</i> , 2004, 46, 37-56.	0.2	12
13	The Symplectic Semigroup and Riccati Differential Equations. <i>Journal of Dynamical and Control Systems</i> , 2006, 12, 49-77.	0.8	12
14	Lie semigroups with triple decompositions. <i>Pacific Journal of Mathematics</i> , 2000, 194, 393-412.	0.5	11
15	Solving symmetric matrix word equations via symmetric space machinery. <i>Linear Algebra and Its Applications</i> , 2006, 414, 560-569.	0.9	9
16	A Lipschitz constant formula for vector addition in cones with applications to Stein-like equations. <i>Positivity</i> , 2012, 16, 81-95.	0.7	9
17	The Equivalence of QRB, QFS, and Compactness for Quasicontinuous Domains. <i>Order</i> , 2015, 32, 227-238.	0.5	9
18	The stochastic order of probability measures on ordered metric spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 464, 707-724.	1.0	9

#	ARTICLE	IF	CITATIONS
19	Barycentric maps for compactly supported measures. Journal of Mathematical Analysis and Applications, 2018, 458, 1009-1026.	1.0	8
20	The least squares mean of positive Hilbert-Schmidt operators. Journal of Mathematical Analysis and Applications, 2013, 403, 365-375.	1.0	7
21	Semigroup closures of finite rank symmetric inverse semigroups. Semigroup Forum, 2009, 78, 326-336.	0.6	4
22	$\hat{\Gamma}$ -Commuting triples of positive definite matrices and midpoint equations on unitary matrices. Linear Algebra and Its Applications, 2008, 428, 2030-2039.	0.9	3
23	Function spaces from coherent continuous domains to RB-domains. Topology and Its Applications, 2016, 206, 148-157.	0.4	3
24	Existence and uniqueness of the Karcher mean on unital C^* -algebras. Journal of Mathematical Analysis and Applications, 2020, 483, 123625.	1.0	3
25	Analyticity of the Karcher mean coefficient maps. Linear Algebra and Its Applications, 2021, 627, 162-184.	0.9	3
26	Separating Points of \hat{I}^2 , By Minimal Flows. Canadian Journal of Mathematics, 1994, 46, 758-771.	0.6	2
27	Smooth Bruck loops, symmetric spaces, and nonassociative vector spaces. Demonstratio Mathematica, 2011, 44, .	1.5	2
28	Local midpoints on smooth manifolds. Differential Geometry and Its Applications, 2015, 39, 129-146.	0.5	2
29	Continuity of Function Spaces from Pointwise Directed Families of Characteristic Functions. Order, 2015, 32, 409-418.	0.5	2
30	Nonhomogeneous Karcher equations with vector fields on positive definite matrices. European Journal of Mathematics, 2021, 7, 1291.	0.5	2
31	Characterizations of automorphic and anti-automorphic involutions of the quaternions. Linear and Multilinear Algebra, 2021, 69, 1975-1980.	1.0	1
32	A new eigenspace characterization of split-quaternion involutions. Linear and Multilinear Algebra, 2021, 69, 1981-1988.	1.0	1
33	From hyperbolic geometry to 2×2 Hermitian matrices and back. Journal of Geometry, 2021, 112, 1.	0.4	1
34	A Birkhoff contraction formula with applications to Riccati Equations. , 2007, , .		0
35	Optimization via characteristic functions of cones. , 2013, , .		0
36	On a subsemigroup of the universal covering of Lie semigroups. Semigroup Forum, 2014, 89, 627-638.	0.6	0

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37	Homotopy Path Spaces for Families of Admissible Paths. Journal of Dynamical and Control Systems, 2017, 23, 635-654.	0.8	0
38	Loos symmetric cones. Positivity, 2019, 23, 1225-1243.	0.7	0
39	Classification of involutive automorphisms and anti-automorphisms of the Lie algebra of quaternions. Linear and Multilinear Algebra, 0, , 1-9.	1.0	0