

Lee Rudolph

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

952
citations

471509

17
h-index

454955

30
g-index

45
all docs

45
docs citations

45
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Quasipositivity as an obstruction to sliceness. Bulletin of the American Mathematical Society, 1993, 29, 51-59.	1.5	147
2	Algebraic functions and closed braids. Topology, 1983, 22, 191-202.	0.3	93
3	Braided surfaces and seifert ribbons for closed braids. Commentarii Mathematici Helvetici, 1983, 58, 1-37.	0.7	90
4	An obstruction to sliceness via contact geometry and 'classical' gauge theory. Inventiones Mathematicae, 1995, 119, 155-163.	2.5	60
5	The modular symbol and continued fractions in higher dimensions. Inventiones Mathematicae, 1979, 55, 241-250.	2.5	58
6	A congruence between link polynomials. Mathematical Proceedings of the Cambridge Philosophical Society, 1990, 107, 319-327.	0.4	42
7	Positive links are strongly quasipositive. Geometry & Topology Monographs, 1999, , .	0.0	40
8	Quasipositive plumbing (constructions of quasipositive knots and links, V). Proceedings of the American Mathematical Society, 1998, 126, 257-267.	0.8	34
9	Unfoldings in knot theory. Mathematische Annalen, 1987, 278, 409-439.	1.4	28
10	Some topologically locally-flat surfaces in the complex projective plane. Commentarii Mathematici Helvetici, 1984, 59, 592-599.	0.7	27
11	Unfoldings in knot theory. Mathematische Annalen, 1988, 282, 349-351.	1.4	25
12	Non-trivial positive braids have positive signature. Topology, 1982, 21, 325-327.	0.3	24
13	QUASIPOSITIVE ANNULI (CONSTRUCTIONS OF QUASIPOSITIVE KNOTS AND LINKS, IV). Journal of Knot Theory and Its Ramifications, 1992, 01, 451-466.	0.3	24
14	Knot Theory of Complex Plane Curves. , 2005, , 349-427.		24
15	Isolated critical points of mappings from R^4 to R^2 and a natural splitting of the Milnor number of a classical fibered link. Part I: Basic theory; examples. Commentarii Mathematici Helvetici, 1987, 62, 630-645.	0.7	22
16	The Fullness of Time. Culture and Psychology, 2006, 12, 169-204.	1.1	20
17	A characterization of quasipositive Seifert surfaces (constructions of quasipositive knots and links,) Tj ETQq1 1 0.784314 rgBT /Overl	0.3	19
18	Special Positions for Surfaces Bounded by Closed Braids. Revista Matematica Iberoamericana, 1985, 1, 93-133.	0.9	18

#	ARTICLE	IF	CITATIONS
19	Convexly Stratified Deformation Spaces and Efficient Path Planning for Planar Closed Chains with Revolute Joints. International Journal of Robotics Research, 2008, 27, 1189-1212.	8.5	16
20	Hopf plumbing, arborescent Seifert surfaces, baskets, espaliers, and homogeneous braids. Topology and Its Applications, 2001, 116, 255-277.	0.4	15
21	The slice genus and the Thurston-Bennequin invariant of a knot. Proceedings of the American Mathematical Society, 1997, 125, 3049-3050.	0.8	14
22	Velocity space and the geometry of planetary orbits. American Journal of Physics, 1975, 43, 579-589.	0.7	13
23	Difference index of vectorfields and the enhanced Milnor number. Topology, 1990, 29, 83-100.	0.3	13
24	Quasipositive pretzels Research partially supported by CNRS and by NSF grant DMS-9504832.. Topology and Its Applications, 2001, 115, 115-123.	0.4	13
25	Spaces of ambivalence: Qualitative mathematics in the modelling of complex fluid phenomena. Estudios De Psicologia, 2006, 27, 67-83.	0.3	11
26	Stratified Deformation Space and Path Planning for a Planar Closed Chain with Revolute Joints. Springer Tracts in Advanced Robotics, 2008, , 235-250.	0.4	8
27	A Unified Geometric Approach for Inverse Kinematics of a Spatial Chain with Spherical Joints. , 2007, , .		7
28	Embeddings of the line in the plane.. Journal Fur Die Reine Und Angewandte Mathematik, 1982, 1982, 113-118.	0.9	5
29	A Morse function for a surface in CP ³ . Topology, 1975, 14, 301-303.	0.3	4
30	Quasipositivity and new Knot Invariants. Revista Matematica Complutense, 1989, 2, 85.	1.2	2
31	The Structure of Orthogonal Transformations. American Mathematical Monthly, 1991, 98, 349.	0.3	2
32	Bending and kissing: Computing self-contact configurations of planar loops with revolute joints. , 2009, , .		2
33	Totally Tangential Links of Intersection of Complex Plane Curves with Round Spheres. , 1992, , 343-350.		2
34	The Structure of Orthogonal Transformations. American Mathematical Monthly, 1991, 98, 349-352.	0.3	1
35	A non-ribbon plumbing of fibered ribbon knots. Proceedings of the American Mathematical Society, 2002, 130, 3741-3743.	0.8	1
36	Some fibered and non-fibered links at infinity of hyperbolic complex line arrangements. Topology and Its Applications, 2002, 118, 187-197.	0.4	1

#	ARTICLE	IF	CITATIONS
37	The Finite-Dimensional Freeman Thesis. Integrative Psychological and Behavioral Science, 2008, 42, 144-152.	0.9	1
38	Frobenius: a sesquilogue. Mathematical Intelligencer, 1996, 18, 68-70.	0.2	0
39	Whitehead's Integral Formula, Isolated Critical Points, and the Enhancement of the Milnor Number. Pure and Applied Mathematics Quarterly, 2010, 6, 545-554.	0.4	0
40	Who Shall Survive? Psychology that Replaces Quantification with Qualitative Mathematics. , 2017, , 121-140.		0