

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	Who Shall Survive? Psychology that Replaces Quantification with Qualitative Mathematics. , 2017, , 121-140.		0
2	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
3	Bending and kissing: Computing self-contact configurations of planar loops with involute joints. , 2009, , .		2
4	The Finite-Dimensional Freeman Thesis. Integrative Psychological and Behavioral Science, 2008, 42, 144-152.	0.9	1
5	Convexly Stratified Deformation Spaces and Efficient Path Planning for Planar Closed Chains with Involute Joints. International Journal of Robotics Research, 2008, 27, 1189-1212.	8.5	16
6	Stratified Deformation Space and Path Planning for a Planar Closed Chain with Involute Joints. Springer Tracts in Advanced Robotics, 2008, , 235-250.	0.4	8
7	A Unified Geometric Approach for Inverse Kinematics of a Spatial Chain with Spherical Joints. , 2007, , .		7
8	Spaces of ambivalence: Qualitative mathematics in the modelling of complex fluid phenomena. Estudios De Psicologia, 2006, 27, 67-83.	0.3	11
9	The Fullness of Time. Culture and Psychology, 2006, 12, 169-204.	1.1	20
10	Knot Theory of Complex Plane Curves. , 2005, , 349-427.		24
11	A non-ribbon plumbing of fibered ribbon knots. Proceedings of the American Mathematical Society, 2002, 130, 3741-3743.	0.8	1
12	Some fibered and non-fibered links at infinity of hyperbolic complex line arrangements. Topology and Its Applications, 2002, 118, 187-197.	0.4	1
13	Quasipositive pretzels Research partially supported by CNRS and by NSF grant DMS-9504832.. Topology and Its Applications, 2001, 115, 115-123.	0.4	13
14	Hopf plumbing, arborescent Seifert surfaces, baskets, espaliers, and homogeneous braids. Topology and Its Applications, 2001, 116, 255-277.	0.4	15
15	Positive links are strongly quasipositive. Geometry & Topology Monographs, 1999, , .	0.0	40
16	Quasipositive plumbing (constructions of quasipositive knots and links, V). Proceedings of the American Mathematical Society, 1998, 126, 257-267.	0.8	34
17	The slice genus and the Thurston-Bennequin invariant of a knot. Proceedings of the American Mathematical Society, 1997, 125, 3049-3050.	0.8	14
18	Frobenius: a sesquilogue. Mathematical Intelligencer, 1996, 18, 68-70.	0.2	0

#	ARTICLE	IF	CITATIONS
19	An obstruction to sliceness via contact geometry and 'classical' gauge theory. <i>Inventiones Mathematicae</i> , 1995, 119, 155-163.	2.5	60
20	Quasipositivity as an obstruction to sliceness. <i>Bulletin of the American Mathematical Society</i> , 1993, 29, 51-59.	1.5	147
21	QUASIPOSITIVE ANNULI (CONSTRUCTIONS OF QUASIPOSITIVE KNOTS AND LINKS, IV). <i>Journal of Knot Theory and Its Ramifications</i> , 1992, 01, 451-466.	0.3	24
22	A characterization of quasipositive Seifert surfaces (constructions of quasipositive knots and links.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	0.3	19
23	Totally Tangential Links of Intersection of Complex Plane Curves with Round Spheres. , 1992, , 343-350.		2
24	The Structure of Orthogonal Transformations. <i>American Mathematical Monthly</i> , 1991, 98, 349.	0.3	2
25	The Structure of Orthogonal Transformations. <i>American Mathematical Monthly</i> , 1991, 98, 349-352.	0.3	1
26	A congruence between link polynomials. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1990, 107, 319-327.	0.4	42
27	Difference index of vectorfields and the enhanced Milnor number. <i>Topology</i> , 1990, 29, 83-100.	0.3	13
28	Quasipositivity and new Knot Invariants. <i>Revista Matematica Complutense</i> , 1989, 2, 85.	1.2	2
29	Unfoldings in knot theory. <i>Mathematische Annalen</i> , 1988, 282, 349-351.	1.4	25
30	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. <i>Commentarii Mathematici Helvetici</i> , 1987, 62, 630-645.	0.7	22
31	Unfoldings in knot theory. <i>Mathematische Annalen</i> , 1987, 278, 409-439.	1.4	28
32	Special Positions for Surfaces Bounded by Closed Braids. <i>Revista Matematica Iberoamericana</i> , 1985, 1, 93-133.	0.9	18
33	Some topologically locally-flat surfaces in the complex projective plane. <i>Commentarii Mathematici Helvetici</i> , 1984, 59, 592-599.	0.7	27
34	Braided surfaces and seifert ribbons for closed braids. <i>Commentarii Mathematici Helvetici</i> , 1983, 58, 1-37.	0.7	90
35	Algebraic functions and closed braids. <i>Topology</i> , 1983, 22, 191-202.	0.3	93
36	Embeddings of the line in the plane.. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1982, 1982, 113-118.	0.9	5

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37	Non-trivial positive braids have positive signature. <i>Topology</i> , 1982, 21, 325-327.	0.3	24
38	The modular symbol and continued fractions in higher dimensions. <i>Inventiones Mathematicae</i> , 1979, 55, 241-250.	2.5	58
39	A Morse function for a surface in CP^3 . <i>Topology</i> , 1975, 14, 301-303.	0.3	4
40	Velocity space and the geometry of planetary orbits. <i>American Journal of Physics</i> , 1975, 43, 579-589.	0.7	13