

Ronaldo Garcia

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Loci of Poncelet triangles in the general closure case. Journal of Geometry, 2022, 113, 1.	0.4	1
2	Axial Curvature Cycles of Surfaces Immersed in \mathbb{R}^4 . Lobachevskii Journal of Mathematics, 2022, 43, 78-97.	0.9	0
3	Principal Curvature Lines Near a Partially Umbilic Point of Codimension One. Lobachevskii Journal of Mathematics, 2022, 43, 162-181.	0.9	0
4	Fifty New Invariants of N-Periodics in the Elliptic Billiard. Arnold Mathematical Journal, 2021, 7, 341-355.	0.4	15
5	Intriguing invariants of centers of ellipse-inscribed triangles. Journal of Geometry, 2021, 112, 1.	0.4	1
6	New Invariants of Poncelet-Jacobi Bicentric Polygons. Arnold Mathematical Journal, 2021, 7, 619-637.	0.4	4
7	Family Ties. KoG, 2021, , 3-18.	0.1	6
8	Can the Elliptic Billiard Still Surprise Us?. Mathematical Intelligencer, 2020, 42, 6-17.	0.2	19
9	Lines of Affine Principal Curvatures of Surfaces in 3-Space. Results in Mathematics, 2020, 75, 1.	0.8	2
10	Steiner's Hat: a Constant-Area Deltoid Associated with the Ellipse. KoG, 2020, , 12-28.	0.1	1
11	Maurício Matos Peixoto. Matemática Universitária, 2020, 1, .	0.0	0
12	Elliptic Billiards and Ellipses Associated to the 3-Periodic Orbits. American Mathematical Monthly, 2019, 126, 491-504.	0.3	15
13	Inflection points on hyperbolic tori of S^3 . Quarterly Journal of Mathematics, 2018, 69, 709-728.	0.8	2
14	Asymptotic behavior of the shape of planar polygons by linear flows. Linear Algebra and Its Applications, 2018, 557, 508-528.	0.9	1
15	Darboux curves on surfaces I. Journal of the Mathematical Society of Japan, 2017, 69, .	0.4	1
16	Darboux curves on surfaces II. Bulletin of the Brazilian Mathematical Society, 2016, 47, 1119-1154.	0.8	1
17	Lines of curvature on quadric hypersurfaces of \mathbb{R}^4 . Lobachevskii Journal of Mathematics, 2016, 37, 288-306.	0.9	3
18	Partially umbilic singularities of hypersurfaces of \mathbb{R}^4 . Bulletin Des Sciences Mathematiques, 2015, 139, 431-472.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Foliations making a constant angle with principal directions on ellipsoids. <i>Annales Polonici Mathematici</i> , 2015, 113, 165-173.	0.5	3
20	Umbilic singularities and lines of curvature on ellipsoids of $\hat{\alpha}, 4$. <i>Bulletin of the Brazilian Mathematical Society</i> , 2014, 45, 453-483.	0.8	3
21	Tori embedded in \mathbb{R}^3 with dense principal lines. <i>Bulletin of the Brazilian Mathematical Society</i> , 2014, 45, 453-483.	1.0	0
22	Bifurcation Dynamics: Theory, Methods, and Applications. <i>Differential Equations and Dynamical Systems</i> , 2012, 20, 189-190.	1.0	0
23	Lines of axial curvature at critical points on surfaces mapped into \mathbb{R}^4 . <i>Sao Paulo Journal of Mathematical Sciences</i> , 2012, 6, 277.	0.4	0
24	Tori embedded in \mathbb{R}^3 with dense principal lines. <i>Bulletin Des Sciences Mathematiques</i> , 2009, 133, 348-354.	1.0	2
25	Tori embedded in S^3 with dense asymptotic lines. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 13-19.	0.8	1
26	Holonomy of a foliation by principal curvature lines. <i>Bulletin of the Brazilian Mathematical Society</i> , 2008, 39, 341-354.	0.8	1
27	Lines of Curvature on Surfaces, Historical Comments and Recent Developments. <i>Sao Paulo Journal of Mathematical Sciences</i> , 2008, 2, 99.	0.4	20
28	A Special Trefoil Knot Has Two or More Vertices. <i>Results in Mathematics</i> , 2007, 50, 43-51.	0.8	0
29	Codimension two umbilic points on surfaces immersed in \mathbb{R}^3 . <i>Discrete and Continuous Dynamical Systems</i> , 2007, 17, 293-308.	0.9	7
30	Lines of principal curvature on canal surfaces in \mathbb{R}^3 . <i>Anais Da Academia Brasileira De Ciencias</i> , 2006, 78, 405-415.	0.8	8
31	PRINCIPAL MEAN CURVATURE FOLIATIONS ON SURFACES IMMERSSED IN \mathbb{R}^4 . , 2005, , .		2
32	On the patterns of principal curvature lines around a curve of umbilic points. <i>Anais Da Academia Brasileira De Ciencias</i> , 2005, 77, 13-24.	0.8	7
33	Curvature lines on orthogonal surfaces of \mathbb{R}^3 and Joachimsthal Theorem. <i>Civilizar</i> , 2005, 5, 63.	0.1	1
34	Lines of mean curvature on surfaces immersed in \mathbb{R}^3 . <i>Qualitative Theory of Dynamical Systems</i> , 2004, 4, 263-309.	1.7	6
35	Vector fields on manifolds with boundary and reversibility $\hat{\alpha}$ ” An expository account $\hat{\alpha}$ ”. <i>Qualitative Theory of Dynamical Systems</i> , 2004, 4, 311-327.	1.7	4
36	Bifurcations of Umbilic Points and Related Principal Cycles. <i>Journal of Dynamics and Differential Equations</i> , 2004, 16, 321-346.	1.9	15

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37	Geometric mean curvature lines on surfaces immersed in \mathbb{R}^3 . <i>Journal of Differential Equations</i> , 2003, 192, 553-565.	0.8	12
38	Structural stability of piecewise-linear vector fields. <i>Journal of Differential Equations</i> , 2003, 192, 553-565.	2.2	8
39	A metric property of umbilic points. <i>Anais Da Academia Brasileira De Ciencias</i> , 2003, 75, 405-413.	0.8	0
40	Umbilic and Tangential Singularities on Configurations of Principal Curvature Lines. <i>Anais Da Academia Brasileira De Ciencias</i> , 2002, 74, 1-17.	0.8	2
41	Closed Principal Lines of Surfaces Immersed in the Euclidean 4-Space. <i>Journal of Dynamical and Control Systems</i> , 2002, 8, 153-166.	0.8	5
42	Geometric mean curvature lines on surfaces immersed in \mathbb{R}^3 . <i>Annales De La Faculté Des Sciences De Toulouse</i> , 2002, 11, 377-401.	0.3	8
43	Oxidation fronts in a simplified model for two-phase flow in porous media. <i>Matematica Contemporanea</i> , 2002, 22, .	0.0	1
44	Structurally stable configurations of lines of mean curvature and umbilic points on surfaces immersed in \mathbb{R}^3 . <i>Publicacions Matematiques</i> , 2001, 45, 431-466.	0.5	12
45	Ovaloids of \mathbb{R}^3 and Their Umbilics: A Differential Equation Approach. <i>Journal of Differential Equations</i> , 2000, 168, 200-211.	2.2	3
46	Lines of axial curvature on surfaces immersed in \mathbb{R}^4 . <i>Differential Geometry and Its Applications</i> , 2000, 12, 253-269.	0.5	19
47	Lines of principal curvature around umbilics and Whitney umbrellas. <i>Tohoku Mathematical Journal</i> , 2000, 52, 163.	0.2	24
48	Inflection points and topology of surfaces in 4-space. <i>Transactions of the American Mathematical Society</i> , 2000, 352, 3029-3043.	0.9	43
49	Structural Stability of Asymptotic Lines on Surfaces Immersed in \mathbb{R}^3 . <i>Bulletin Des Sciences Mathematiques</i> , 1999, 123, 599-622.	1.0	28
50	Structural stability of parabolic points and periodic asymptotic lines. <i>Matematica Contemporanea</i> , 1997, 12, .	0.0	11
51	Geometrical conditions for the stability of orbits in planar systems. <i>Mathematical Proceedings of the Cambridge Philosophical Society</i> , 1996, 120, 499-519.	0.4	3
52	Hyperbolic principal cycles on hypersurfaces of \mathbb{R}^4 . <i>Annals of Global Analysis and Geometry</i> , 1993, 11, 185-196.	0.6	6
53	Lines of curvature near principal cycles. <i>Annals of Global Analysis and Geometry</i> , 1992, 10, 275-289.	0.6	8
54	Surfaces around closed principal curvature lines, an inverse problem. , 0, , 158-166.		0

#	ARTICLE	IF	CITATIONS
55	The talented Mr. Inversive Triangle in the elliptic billiard. European Journal of Mathematics, 0, , 1.	0.5	2
56	Area-invariant pedal-like curves derived from the ellipse. Beitrage Zur Algebra Und Geometrie, 0, , 1.	0.5	1
57	Poncelet plectra: harmonious curves in cosine space. Beitrage Zur Algebra Und Geometrie, 0, , 1.	0.5	1
58	New Properties of Triangular Orbits in Elliptic Billiards. American Mathematical Monthly, 0, , 1-13.	0.3	9
59	Darboux curves on surfaces II. Bulletin of the Brazilian Mathematical Society, 0, , .	0.8	0
60	Invariant Center Power and Elliptic Loci of Poncelet Triangles. Journal of Dynamical and Control Systems, 0, , 1.	0.8	5
61	Poncelet triangles: a theory for locus ellipticity. Beitrage Zur Algebra Und Geometrie, 0, , 1.	0.5	3
62	A matryoshka of Brocard porisms. European Journal of Mathematics, 0, , 1.	0.5	2