Mowaffaq Hajja

List of Publications by Year
in descending order

121 papers	537 citations	759233 12 h-index	794594 19 g-index
121 all docs	121 docs citations	121 times ranked	80 citing authors

#	Article	IF	Citations
1	The arbitrariness of the semi-angle-bisectors of a triangle. Mathematical Gazette, 2022, 106, 78-83.	0.0	1
2	Equality of areas among the ears of the Routh triangle. Mathematical Gazette, 2021, 105, 245-252.	0.0	0
3	Long medians and long angle bisectors. Mathematical Gazette, 2021, 105, 397-409.	0.0	0
4	Triangles whose sides form an arithmetic progression. Mathematical Gazette, 2020, 104, 469-481.	0.0	0
5	104.41 A property of the Lagrange interpolation polynomial. Mathematical Gazette, 2020, 104, 548-551.	0.0	0
6	104.17 More proofs of the AM-GM inequality. Mathematical Gazette, 2020, 104, 318-326.	0.0	0
7	Concurrence of tetrahedral cevians associated with triangle centers. Journal of Geometry, 2020, 111, 1.	0.4	0
8	Copositive and Positive Quadratic Forms on Matrices. Results in Mathematics, 2019, 74, 1.	0.8	1
9	Recovering a Circumscriptible Tetrahedron from Its Face Areas. Mediterranean Journal of Mathematics, 2019, 16, 1.	0.8	0
10	New proofs of certain characterisations of cyclic circumscriptible quadrilaterals. Mathematical Gazette, 2019, 103, 401-408.	0.0	0
11	103.22 On a problem of Sastry and a theorem of Serenus. Mathematical Gazette, 2019, 103, 328-332.	0.0	0
12	Newton Quadrilaterals, the Associated Cubic Equations, and Their Rational Solutions. American Mathematical Monthly, 2019, 126, 135-150.	0.3	2
13	More variations on the Steiner-Lehmus theme. Mathematical Gazette, 2019, 103, 1-11.	0.0	2
14	Irreducibility of the Cayley–Menger determinant and of a class of related polynomials. Beitrage Zur Algebra Und Geometrie, 2018, 59, 327-342.	0.5	1
15	102.49 A very short proof of Pamfilos's characterisation of the rhombus. Mathematical Gazette, 2018, 102, 521-523.	0.0	0
16	102.50 Long altitudes and an unexpected appearance of the golden ratio. Mathematical Gazette, 2018, 102, 523-527.	0.0	1
17	Anothern-Dimensional Generalization of Pompeiu's Theorem. American Mathematical Monthly, 2018, 125, 612-622.	0.3	1
18	The existence of triangles, tetrahedra, and higher-dimensional simplices with prescribed exradii. Mathematical Gazette, 2018, 102, 257-263.	0.0	0

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19	A complete analytical treatment of the weighted Fermat–Torricelli point for a triangle. Journal of Geometry, 2017, 108, 99-110.	0.4	1
20	101.11 An application of a morsel of Honsberger. Mathematical Gazette, 2017, 101, 123-125.	0.0	2
21	101.12 The sum of the squared lengths of equally-spaced cevians. Mathematical Gazette, 2017, 101, 126-128.	0.0	0
22	101.23 One more note on the extremal properties of the incentre and the excentres of a triangle. Mathematical Gazette, 2017, 101, 308-310.	0.0	0
23	101.22 The hyperbolic version of the Steiner-Lehmus theorem. Mathematical Gazette, 2017, 101, 306-307.	0.0	1
24	Simpler proofs of Jian Liu's inequalities. Journal of Geometry, 2017, 108, 565-574.	0.4	0
25	101.27 On the convention that deg(0) = –∞. Mathematical Gazette, 2017, 101, 465-470.	0.0	1
26	101.47 Notes on Lagrange's interpolation. Mathematical Gazette, 2017, 101, 528-533.	0.0	2
27	Distances from the Vertices of a Regular Simplex. Results in Mathematics, 2017, 72, 633-648.	0.8	2
28	Pre-kites: simplices having a regular facet. Beitrage Zur Algebra Und Geometrie, 2017, 58, 699-721.	0.5	3
29	100.22 The maximal area property of cyclic quadrilaterals. Mathematical Gazette, 2016, 100, 335-336.	0.0	1
30	More Characterizations of Certain Special Families of Simplices. Results in Mathematics, 2016, 69, 23-47.	0.8	4
31	99.21 The simplest proof ever of the pons asinorum theorem. Mathematical Gazette, 2015, 99, 341-342.	0.0	0
32	Equicevian Points of a Triangle. American Mathematical Monthly, 2015, 122, 995.	0.3	2
33	Some open problems in concurrences. Mathematical Gazette, 2015, 99, 2-10.	0.0	0
34	Kites as the only doubly special simplices. Beitrage Zur Algebra Und Geometrie, 2015, 56, 269-277.	0.5	2
35	The sum of measures of the angles of a simplex. Beitrage Zur Algebra Und Geometrie, 2014, 55, 453-470.	0.5	1
36	Impurity of the corner angles in certain special families of simplices. Journal of Geometry, 2014, 105, 539-560.	0.4	5

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37	Concurrency of the altitudes of a triangle. Mathematische Semesterberichte, 2013, 60, 249-260.	0.2	5
38	Orthocentric Simplices as the True Generalizations of Triangles. Mathematical Intelligencer, 2013, 35, 16-28.	0.2	10
39	The Integrating Factors of an Exact Differential Equation. Mathematics Magazine, 2013, 86, 220-226.	0.1	0
40	Some Elementary Aspects of Means. International Journal of Mathematics and Mathematical Sciences, 2013, 2013, 1-9.	0.7	3
41	96.44 Extremal properties of the incentre and the excentres of a triangle. Mathematical Gazette, 2012, 96, 315-317.	0.0	3
42	The pons asinorum and related theorems for tetrahedra. Beitrage Zur Algebra Und Geometrie, 2012, 53, 487-505.	0.5	4
43	Conjugacy Classes and Invariant Subrings of R-Automorphisms of $R[x]$. Communications in Algebra, 2012, 40, 1496-1524.	0.6	1
44	Algorithms for Calculating the Inverse of a GivenR-Automorphism ofR[x]. Communications in Algebra, 2012, 40, 4031-4041.	0.6	0
45	Lack of relative monotonicity among various measures of trihedral angles. Journal of Geometry, 2012, 103, 237-246.	0.4	1
46	The open mouth theorem, or the scissors lemma, for orthocentric tetrahedra. Journal of Geometry, 2012, 103, 1-16.	0.4	6
47	The open mouth theorem in higher dimensions. Linear Algebra and Its Applications, 2012, 437, 1057-1069.	0.9	6
48	Equicevian points on the altitudes of a triangle. Elemente Der Mathematik, 2012, 67, 187-195.	0.1	5
49	95.45 What do permutations of a given cycle pattern generate?. Mathematical Gazette, 2011, 95, 341-342.	0.0	0
50	Another Morsel of Honsberger. Mathematics Magazine, 2010, 83, 279-283.	0.1	4
51	94.35 Popularising the ASS pseudo-congruence theorem. Mathematical Gazette, 2010, 94, 499-502.	0.0	0
52	The Pons Asinorum for Tetrahedra. Journal of Geometry, 2009, 93, 71-82.	0.4	9
53	The sequence of generalized median triangles and a new shape function. Journal of Geometry, 2009, 96, 71-79.	0.4	2
54	On Nested Sequences of Triangles. Results in Mathematics, 2009, 54, 289-299.	0.8	6

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55	The Chaotic Behavior of the Sequence of Pedal Simplices. Results in Mathematics, 2009, 55, 209-220.	0.8	1
56	Coincidences of Centers of Plane Quadrilaterals. Results in Mathematics, 2009, 55, 231-247.	0.8	3
57	The Pons Asinorum in higher dimensions. Studia Scientiarum Mathematicarum Hungarica, 2009, 46, 263-273.	0.1	3
58	The Archimedean Arbelos in Three-dimensional Space. Results in Mathematics, 2008, 52, 1-16.	0.8	1
59	Orthocentric Simplices and Biregularity. Results in Mathematics, 2008, 52, 41-50.	0.8	13
60	Relative negligibility of linear automorphisms. Journal of Algebra, 2008, 320, 1182-1199.	0.7	0
61	A new line associated with the triangle. Elemente Der Mathematik, 2008, 63, 165-172.	0.1	1
62	The isoperimetric point and the point(s) of equal detour in a triangle. Journal of Geometry, 2007, 87, 76-82.	0.4	4
63	Towards a well-defined median. Journal of Mathematical Inequalities, 2007, , 23-30.	0.9	1
64	Internal cubic symmetric forms in a small number of variables. Mathematical Inequalities and Applications, 2007, , 863-868.	0.2	1
65	The Arbitrariness of the Cevian Triangle. American Mathematical Monthly, 2006, 113, 443-447.	0.3	0
66	Coincidences of Centers of Edge-Incentric, or Balloon, Simplices. Results in Mathematics, 2006, 49, 237-263.	0.8	14
67	On Gauss compounding of symmetric weighted arithmetic means. Journal of Mathematical Analysis and Applications, 2006, 322, 729-734.	1.0	12
68	The Arbitrariness of the Cevian Triangle. American Mathematical Monthly, 2006, 113, 443.	0.3	1
69	Geometric means of two positive numbers. Mathematical Inequalities and Applications, 2006, , 391-406.	0.2	2
70	The Gergonne and Nagel centers of an n-dimensional simplex. Journal of Geometry, 2005, 83, 46-56.	0.4	4
71	Copositive Symmetric Cubic Forms. American Mathematical Monthly, 2005, 112, 462-466.	0.3	4
72	Copositive Symmetric Cubic Forms. American Mathematical Monthly, 2005, 112, 462.	0.3	1

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73	In search of more triangle centres. A source of classroom projects in Euclidean geometry. International Journal of Mathematical Education in Science and Technology, 2005, 36, 889-912.	1.4	3
74	Orthocentric simplices and their centers. Resultate Der Mathematik, 2005, 47, 266-295.	0.2	23
75	Quadratic means. Journal of Mathematical Analysis and Applications, 2003, 288, 299-313.	1.0	5
76	Radical and rational means of degree two. Mathematical Inequalities and Applications, 2003, , 581-593.	0.2	3
77	The Gergonne and Nagel centers of a tetrahedron. Journal of Geometry, 2002, 75, 106-112.	0.4	5
78	Triangle centres: some questions in Euclidean geometry. International Journal of Mathematical Education in Science and Technology, 2001, 32, 21-36.	1.4	5
79	Equifacial tetrahedra. International Journal of Mathematical Education in Science and Technology, 2001, 32, 501-508.	1.4	5
80	A Vector Proof of a Theorem of Bang. American Mathematical Monthly, 2001, 108, 562-564.	0.3	5
81	Other Versions of the Steiner-Lehmus Theorem. American Mathematical Monthly, 2001, 108, 760-767.	0.3	2
82	85.62 Why Must the Triangle's Medians Be Concurrent?. Mathematical Gazette, 2001, 85, 482.	0.0	0
83	85.37 A trigonometric identity that G. S. Carr missed and a trigonometric proof of a theorem of Bang. Mathematical Gazette, 2001, 85, 293-296.	0.0	1
84	Triangle centres: some questions in Euclidean geometry. International Journal of Mathematical Education in Science and Technology, 2001, 32, 21-36.	1.4	1
85	A Vector Proof of a Theorem of Bang. American Mathematical Monthly, 2001, 108, 562.	0.3	6
86	Rationality of Some Projective Linear Actions. Journal of Algebra, 2000, 228, 643-658.	0.7	40
87	84.54 On Maekawa's Trigonometric Inequality. Mathematical Gazette, 2000, 84, 501.	0.0	0
88	Fixed Points of Iterated Cyclic Difference Operators: 10676. American Mathematical Monthly, 2000, 107, 372.	0.3	0
89	84.16 What Do Cycles of a Given Length Generate?. Mathematical Gazette, 2000, 84, 97.	0.0	1
90	A Cubic Spherical Integral: 10771. American Mathematical Monthly, 2000, 107, 954.	0.3	0

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91	83.56 An Analytical Proof of the Generalised Steiner-Lehmus Theorem. Mathematical Gazette, 1999, 83, 493.	0.0	1
92	Negligibility of Projective Linear Automorphisms. Journal of Algebra, 1998, 199, 344-366.	0.7	4
93	10399. American Mathematical Monthly, 1997, 104, 279.	0.3	0
94	On the Fermat-Torricelli Points of Tetrahedra and of Higher Dimensional Simplexes. Mathematics Magazine, 1997, 70, 372-378.	0.1	5
95	Twisted Actions of Symmetric Groups. Journal of Algebra, 1997, 188, 626-647.	0.7	5
96	10315. American Mathematical Monthly, 1996, 103, 349.	0.3	0
97	80.45 The Fermat point of a spherical triangle. Mathematical Gazette, 1996, 80, 561-564.	0.0	5
98	79.21 A Note on the Fermat Point of a Tetrahedron. Mathematical Gazette, 1995, 79, 117.	0.0	3
99	A note on Ohm's rationality criterion for conics. Bulletin of the Australian Mathematical Society, 1995, 51, 133-137.	0.5	0
100	79.10 A Note on Hoare's Cubic. Mathematical Gazette, 1995, 79, 99.	0.0	1
101	Some Actions of Symmetrical Groups. Journal of Algebra, 1995, 177, 511-535.	0.7	46
102	An Advanced Calculus Approach to Finding the Fermat Point. Mathematics Magazine, 1994, 67, 29-34.	0.1	11
103	Problems: 10396-10402. American Mathematical Monthly, 1994, 101, 681.	0.3	0
104	Function Fields of Conics as Invariant Subfields. Journal of Algebra, 1994, 163, 383-403.	0.7	6
105	Three-Dimensional Purely Monomial Group Actions. Journal of Algebra, 1994, 170, 805-860.	0.7	30
106	An Advanced Calculus Approach to Finding the Fermat Point. Mathematics Magazine, 1994, 67, 29.	0.1	12
107	A Description of an algebraic automorphism in terms of the radical of its minimal polynomial. Communications in Algebra, 1992, 20, 761-776.	0.6	3
108	Finite group actions on rational function fields. Journal of Algebra, 1992, 149, 139-154.	0.7	25

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109	A note on algebraic automorphisms. Journal of Algebra, 1991, 139, 336-341.	0.7	4
110	A note on linear automorphisms over ?. Proceedings of the American Mathematical Society, 1991, 111, 29-34.	0.8	0
111	Linearizability and rationality of monomial automorphisms of small order. Journal of Algebra, 1990, 130, 1-16.	0.7	2
112	A minimal example of a non–rational monomial automorphism. Communications in Algebra, 1990, 18, 2423-2431.	0.6	2
113	A note on affine automorphisms. Communications in Algebra, 1990, 18, 1535-1549.	0.6	10
114	Rationality of finite groups of monomial automorphisms of k(x, y). Journal of Algebra, 1987, 109, 46-51.	0.7	28
115	6473. American Mathematical Monthly, 1986, 93, 219.	0.3	0
116	A note on a result of Kuniyoshi. Journal of Algebra, 1985, 92, 171-175.	0.7	6
117	Quasi-linearity of cyclic monomial automorphisms. Journal of Algebra, 1985, 95, 473-479.	0.7	6
118	Rational invariants of meta-abelian groups of linear automorphisms. Journal of Algebra, 1983, 80, 295-305.	0.7	19
119	A note on monomial automorphisms. Journal of Algebra, 1983, 85, 243-250.	0.7	24
120	On the rationality of monomial automorphisms. Journal of Algebra, 1981, 73, 30-36.	0.7	7
121	The median triangle theorem as an entrance to certain issues in higher-dimensional geometry. Mathematische Semesterberichte, 0, , 1.	0.2	0