

# Mowaffaq Hajja

## List of Publications by Year in descending order

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121  
papers

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759233

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19  
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121  
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121  
docs citations

121  
times ranked

80  
citing authors

#	ARTICLE	IF	CITATIONS
1	Some Actions of Symmetrical Groups. Journal of Algebra, 1995, 177, 511-535.	0.7	46
2	Rationality of Some Projective Linear Actions. Journal of Algebra, 2000, 228, 643-658.	0.7	40
3	Three-Dimensional Purely Monomial Group Actions. Journal of Algebra, 1994, 170, 805-860.	0.7	30
4	Rationality of finite groups of monomial automorphisms of $k(x, y)$ . Journal of Algebra, 1987, 109, 46-51.	0.7	28
5	Finite group actions on rational function fields. Journal of Algebra, 1992, 149, 139-154.	0.7	25
6	A note on monomial automorphisms. Journal of Algebra, 1983, 85, 243-250.	0.7	24
7	Orthocentric simplices and their centers. Resultate Der Mathematik, 2005, 47, 266-295.	0.2	23
8	Rational invariants of meta-abelian groups of linear automorphisms. Journal of Algebra, 1983, 80, 295-305.	0.7	19
9	Coincidences of Centers of Edge-Incentric, or Balloon, Simplices. Results in Mathematics, 2006, 49, 237-263.	0.8	14
10	Orthocentric Simplices and Biregularity. Results in Mathematics, 2008, 52, 41-50.	0.8	13
11	On Gauss compounding of symmetric weighted arithmetic means. Journal of Mathematical Analysis and Applications, 2006, 322, 729-734.	1.0	12
12	An Advanced Calculus Approach to Finding the Fermat Point. Mathematics Magazine, 1994, 67, 29.	0.1	12
13	An Advanced Calculus Approach to Finding the Fermat Point. Mathematics Magazine, 1994, 67, 29-34.	0.1	11
14	A note on affine automorphisms. Communications in Algebra, 1990, 18, 1535-1549.	0.6	10
15	Orthocentric Simplices as the True Generalizations of Triangles. Mathematical Intelligencer, 2013, 35, 16-28.	0.2	10
16	The Pons Asinorum for Tetrahedra. Journal of Geometry, 2009, 93, 71-82.	0.4	9
17	On the rationality of monomial automorphisms. Journal of Algebra, 1981, 73, 30-36.	0.7	7
18	A note on a result of Kuniyoshi. Journal of Algebra, 1985, 92, 171-175.	0.7	6

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19	Quasi-linearity of cyclic monomial automorphisms. <i>Journal of Algebra</i> , 1985, 95, 473-479.	0.7	6
20	Function Fields of Conics as Invariant Subfields. <i>Journal of Algebra</i> , 1994, 163, 383-403.	0.7	6
21	On Nested Sequences of Triangles. <i>Results in Mathematics</i> , 2009, 54, 289-299.	0.8	6
22	The open mouth theorem, or the scissors lemma, for orthocentric tetrahedra. <i>Journal of Geometry</i> , 2012, 103, 1-16.	0.4	6
23	The open mouth theorem in higher dimensions. <i>Linear Algebra and Its Applications</i> , 2012, 437, 1057-1069.	0.9	6
24	A Vector Proof of a Theorem of Bang. <i>American Mathematical Monthly</i> , 2001, 108, 562.	0.3	6
25	80.45 The Fermat point of a spherical triangle. <i>Mathematical Gazette</i> , 1996, 80, 561-564.	0.0	5
26	On the Fermat-Torricelli Points of Tetrahedra and of Higher Dimensional Simplexes. <i>Mathematics Magazine</i> , 1997, 70, 372-378.	0.1	5
27	Twisted Actions of Symmetric Groups. <i>Journal of Algebra</i> , 1997, 188, 626-647.	0.7	5
28	Triangle centres: some questions in Euclidean geometry. <i>International Journal of Mathematical Education in Science and Technology</i> , 2001, 32, 21-36.	1.4	5
29	Equifacial tetrahedra. <i>International Journal of Mathematical Education in Science and Technology</i> , 2001, 32, 501-508.	1.4	5
30	A Vector Proof of a Theorem of Bang. <i>American Mathematical Monthly</i> , 2001, 108, 562-564.	0.3	5
31	The Gergonne and Nagel centers of a tetrahedron. <i>Journal of Geometry</i> , 2002, 75, 106-112.	0.4	5
32	Quadratic means. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 288, 299-313.	1.0	5
33	Concurrency of the altitudes of a triangle. <i>Mathematische Semesterberichte</i> , 2013, 60, 249-260.	0.2	5
34	Impurity of the corner angles in certain special families of simplices. <i>Journal of Geometry</i> , 2014, 105, 539-560.	0.4	5
35	Equicevian points on the altitudes of a triangle. <i>Elemente Der Mathematik</i> , 2012, 67, 187-195.	0.1	5
36	A note on algebraic automorphisms. <i>Journal of Algebra</i> , 1991, 139, 336-341.	0.7	4

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37	Negligibility of Projective Linear Automorphisms. <i>Journal of Algebra</i> , 1998, 199, 344-366.	0.7	4
38	The Gergonne and Nagel centers of an n-dimensional simplex. <i>Journal of Geometry</i> , 2005, 83, 46-56.	0.4	4
39	Copositive Symmetric Cubic Forms. <i>American Mathematical Monthly</i> , 2005, 112, 462-466.	0.3	4
40	The isoperimetric point and the point(s) of equal detour in a triangle. <i>Journal of Geometry</i> , 2007, 87, 76-82.	0.4	4
41	Another Morsel of Honsberger. <i>Mathematics Magazine</i> , 2010, 83, 279-283.	0.1	4
42	The pons asinorum and related theorems for tetrahedra. <i>Beitrage Zur Algebra Und Geometrie</i> , 2012, 53, 487-505.	0.5	4
43	More Characterizations of Certain Special Families of Simplices. <i>Results in Mathematics</i> , 2016, 69, 23-47.	0.8	4
44	A Description of an algebraic automorphism in terms of the radical of its minimal polynomial. <i>Communications in Algebra</i> , 1992, 20, 761-776.	0.6	3
45	79.21 A Note on the Fermat Point of a Tetrahedron. <i>Mathematical Gazette</i> , 1995, 79, 117.	0.0	3
46	In search of more triangle centres. A source of classroom projects in Euclidean geometry. <i>International Journal of Mathematical Education in Science and Technology</i> , 2005, 36, 889-912.	1.4	3
47	Coincidences of Centers of Plane Quadrilaterals. <i>Results in Mathematics</i> , 2009, 55, 231-247.	0.8	3
48	The Pons Asinorum in higher dimensions. <i>Studia Scientiarum Mathematicarum Hungarica</i> , 2009, 46, 263-273.	0.1	3
49	96.44 Extremal properties of the incentre and the excentres of a triangle. <i>Mathematical Gazette</i> , 2012, 96, 315-317.	0.0	3
50	Some Elementary Aspects of Means. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2013, 2013, 1-9.	0.7	3
51	Pre-kites: simplices having a regular facet. <i>Beitrage Zur Algebra Und Geometrie</i> , 2017, 58, 699-721.	0.5	3
52	Radical and rational means of degree two. <i>Mathematical Inequalities and Applications</i> , 2003, , 581-593.	0.2	3
53	Linearizability and rationality of monomial automorphisms of small order. <i>Journal of Algebra</i> , 1990, 130, 1-16.	0.7	2
54	A minimal example of a non-rational monomial automorphism. <i>Communications in Algebra</i> , 1990, 18, 2423-2431.	0.6	2

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55	Other Versions of the Steiner-Lehmus Theorem. American Mathematical Monthly, 2001, 108, 760-767.	0.3	2
56	The sequence of generalized median triangles and a new shape function. Journal of Geometry, 2009, 96, 71-79.	0.4	2
57	Equicevian Points of a Triangle. American Mathematical Monthly, 2015, 122, 995.	0.3	2
58	Kites as the only doubly special simplices. Beitrage Zur Algebra Und Geometrie, 2015, 56, 269-277.	0.5	2
59	101.11 An application of a morsel of Honsberger. Mathematical Gazette, 2017, 101, 123-125.	0.0	2
60	101.47 Notes on Lagrange's interpolation. Mathematical Gazette, 2017, 101, 528-533.	0.0	2
61	Distances from the Vertices of a Regular Simplex. Results in Mathematics, 2017, 72, 633-648.	0.8	2
62	Newton Quadrilaterals, the Associated Cubic Equations, and Their Rational Solutions. American Mathematical Monthly, 2019, 126, 135-150.	0.3	2
63	More variations on the Steiner-Lehmus theme. Mathematical Gazette, 2019, 103, 1-11.	0.0	2
64	Geometric means of two positive numbers. Mathematical Inequalities and Applications, 2006, , 391-406.	0.2	2
65	79.10 A Note on Hoare's Cubic. Mathematical Gazette, 1995, 79, 99.	0.0	1
66	83.56 An Analytical Proof of the Generalised Steiner-Lehmus Theorem. Mathematical Gazette, 1999, 83, 493.	0.0	1
67	84.16 What Do Cycles of a Given Length Generate?. Mathematical Gazette, 2000, 84, 97.	0.0	1
68	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
69	Copositive Symmetric Cubic Forms. American Mathematical Monthly, 2005, 112, 462.	0.3	1
70	The Arbitrariness of the Cevian Triangle. American Mathematical Monthly, 2006, 113, 443.	0.3	1
71	The Archimedean Arbelos in Three-dimensional Space. Results in Mathematics, 2008, 52, 1-16.	0.8	1
72	The Chaotic Behavior of the Sequence of Pedal Simplices. Results in Mathematics, 2009, 55, 209-220.	0.8	1

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73	Conjugacy Classes and Invariant Subrings of $\mathbb{R}$ -Automorphisms of $\mathbb{R}[x]$ . Communications in Algebra, 2012, 40, 1496-1524.	0.6	1
74	Lack of relative monotonicity among various measures of trihedral angles. Journal of Geometry, 2012, 103, 237-246.	0.4	1
75	The sum of measures of the angles of a simplex. Beitrage Zur Algebra Und Geometrie, 2014, 55, 453-470.	0.5	1
76	100.22 The maximal area property of cyclic quadrilaterals. Mathematical Gazette, 2016, 100, 335-336.	0.0	1
77	A complete analytical treatment of the weighted Fermat-Torricelli point for a triangle. Journal of Geometry, 2017, 108, 99-110.	0.4	1
78	101.22 The hyperbolic version of the Steiner-Lehmus theorem. Mathematical Gazette, 2017, 101, 306-307.	0.0	1
79	101.27 On the convention that $\deg(0) = \infty$ . Mathematical Gazette, 2017, 101, 465-470.	0.0	1
80	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
81	102.50 Long altitudes and an unexpected appearance of the golden ratio. Mathematical Gazette, 2018, 102, 523-527.	0.0	1
82	Another n-Dimensional Generalization of Pompeiu's Theorem. American Mathematical Monthly, 2018, 125, 612-622.	0.3	1
83	Copositive and Positive Quadratic Forms on Matrices. Results in Mathematics, 2019, 74, 1.	0.8	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 new line associated with the triangle. Elemente Der Mathematik, 2008, 63, 165-172.	0.1	1
86	Towards a well-defined median. Journal of Mathematical Inequalities, 2007, , 23-30.	0.9	1
87	Internal cubic symmetric forms in a small number of variables. Mathematical Inequalities and Applications, 2007, , 863-868.	0.2	1
88	The arbitrariness of the semi-angle-bisectors of a triangle. Mathematical Gazette, 2022, 106, 78-83.	0.0	1
89	6473. American Mathematical Monthly, 1986, 93, 219.	0.3	0
90	Problems: 10396-10402. American Mathematical Monthly, 1994, 101, 681.	0.3	0

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91	A note on Ohm's rationality criterion for conics. Bulletin of the Australian Mathematical Society, 1995, 51, 133-137.	0.5	0
92	10315. American Mathematical Monthly, 1996, 103, 349.	0.3	0
93	10399. American Mathematical Monthly, 1997, 104, 279.	0.3	0
94	84.54 On Maekawa's Trigonometric Inequality. Mathematical Gazette, 2000, 84, 501.	0.0	0
95	Fixed Points of Iterated Cyclic Difference Operators: 10676. American Mathematical Monthly, 2000, 107, 372.	0.3	0
96	A Cubic Spherical Integral: 10771. American Mathematical Monthly, 2000, 107, 954.	0.3	0
97	85.62 Why Must the Triangle's Medians Be Concurrent?. Mathematical Gazette, 2001, 85, 482.	0.0	0
98	The Arbitrariness of the Cevian Triangle. American Mathematical Monthly, 2006, 113, 443-447.	0.3	0
99	Relative negligibility of linear automorphisms. Journal of Algebra, 2008, 320, 1182-1199.	0.7	0
100	94.35 Popularising the ASS pseudo-congruence theorem. Mathematical Gazette, 2010, 94, 499-502.	0.0	0
101	95.45 What do permutations of a given cycle pattern generate?. Mathematical Gazette, 2011, 95, 341-342.	0.0	0
102	Algorithms for Calculating the Inverse of a Given $\mathbb{R}$ -Automorphism of $\mathbb{R}[x]$ . Communications in Algebra, 2012, 40, 4031-4041.	0.6	0
103	The Integrating Factors of an Exact Differential Equation. Mathematics Magazine, 2013, 86, 220-226.	0.1	0
104	99.21 The simplest proof ever of the pons asinorum theorem. Mathematical Gazette, 2015, 99, 341-342.	0.0	0
105	Some open problems in concurrences. Mathematical Gazette, 2015, 99, 2-10.	0.0	0
106	101.12 The sum of the squared lengths of equally-spaced cevians. Mathematical Gazette, 2017, 101, 126-128.	0.0	0
107	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
108	Simpler proofs of Jian Liu's inequalities. Journal of Geometry, 2017, 108, 565-574.	0.4	0

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109	102.49 A very short proof of Pamfilos's characterisation of the rhombus. <i>Mathematical Gazette</i> , 2018, 102, 521-523.	0.0	0
110	The existence of triangles, tetrahedra, and higher-dimensional simplices with prescribed exradii. <i>Mathematical Gazette</i> , 2018, 102, 257-263.	0.0	0
111	Recovering a Circumscribable Tetrahedron from Its Face Areas. <i>Mediterranean Journal of Mathematics</i> , 2019, 16, 1.	0.8	0
112	New proofs of certain characterisations of cyclic circumscribable quadrilaterals. <i>Mathematical Gazette</i> , 2019, 103, 401-408.	0.0	0
113	103.22 On a problem of Sastry and a theorem of Serenus. <i>Mathematical Gazette</i> , 2019, 103, 328-332.	0.0	0
114	Triangles whose sides form an arithmetic progression. <i>Mathematical Gazette</i> , 2020, 104, 469-481.	0.0	0
115	104.41 A property of the Lagrange interpolation polynomial. <i>Mathematical Gazette</i> , 2020, 104, 548-551.	0.0	0
116	104.17 More proofs of the AM-GM inequality. <i>Mathematical Gazette</i> , 2020, 104, 318-326.	0.0	0
117	Concurrence of tetrahedral cevians associated with triangle centers. <i>Journal of Geometry</i> , 2020, 111, 1.	0.4	0
118	Equality of areas among the ears of the Routh triangle. <i>Mathematical Gazette</i> , 2021, 105, 245-252.	0.0	0
119	The median triangle theorem as an entrance to certain issues in higher-dimensional geometry. <i>Mathematische Semesterberichte</i> , 0, 1.	0.2	0
120	Long medians and long angle bisectors. <i>Mathematical Gazette</i> , 2021, 105, 397-409.	0.0	0
121	A note on linear automorphisms over $\mathbb{F}_2$ . <i>Proceedings of the American Mathematical Society</i> , 1991, 111, 29-34.	0.8	0