Rashad A Abdel-Baky

List of Publications by Year
in descending order

29	179	1163117 8	1199594 12
papers	citations	h-index	g-index

30	30	30	32
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the one-parameter dual spherical motions. Computer Aided Geometric Design, 2011, 28, 23-37.	1.2	29
2	A new geometrical approach to one-parameter spatial motion. Journal of Engineering Mathematics, 2008, 60, 149-172.	1.2	24
3	Ruled surfaces with timelike rulings. Applied Mathematics and Computation, 2004, 147, 241-253.	2.2	21
4	Kinematic geometry of a line trajectory in spatial motion. Journal of Mechanical Science and Technology, 2015, 29, 3597-3608.	1.5	18
5	On the Bertrand offsets for ruled and developable surfaces. Bolletino Dell Unione Matematica Italiana, 2015, 8, 53-64.	1.0	10
6	On the one-parameter Lorentzian spatial motions. International Journal of Geometric Methods in Modern Physics, 2019, 16, 1950197.	2.0	9
7	A study on timelike circular surfaces in Minkowski 3-space. International Journal of Geometric Methods in Modern Physics, 2020, 17, 2050074.	2.0	9
8	On the kinematic geometry of relative screw motions. Journal of Mechanical Science and Technology, 2012, 26, 2497-2503.	1.5	8
9	On the Bertrand Offsets of Timelike Ruled Surfaces in Minkowski 3-Space. Symmetry, 2022, 14, 673.	2.2	8
10	Holditch's theorem for one-parameter closed motions. Mechanism and Machine Theory, 1997, 32, 235-239.	4.5	6
11	The Backlundâ€™s theorem in Minkowski 3-space R31. Applied Mathematics and Computation, 2005, 160, 41-50.	2.2	6
12	Spacelike Sweeping Surfaces and Singularities in Minkowski 3-Space. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	6
13	A Study on the Bertrand Offsets of Timelike Ruled Surfaces in Minkowski 3-Space. Symmetry, 2022, 14, 783.	2.2	5
14	Kinematic Geometry of Timelike Ruled Surfaces in Minkowski 3-Space E13. Symmetry, 2022, 14, 749.	2.2	4
15	Timelike sweeping surfaces and singularities. International Journal of Geometric Methods in Modern Physics, 2021, 18, 2150006.	2.0	3
16	Sweeping surfaces according to type-2 Bishop frame in Euclidean 3-space. Asian-European Journal of Mathematics, 2021, 14, 2150184.	0.5	2
17	On the Determination of Ruled and Developable Surfaces in Euclidean 3-space EÂ³. WSEAS Transactions on Mathematics, 2020, 19, 564-570.	0.5	2
18	Sweeping Surfaces in theThree-Dimensional Lie Group. Symmetry, 2022, 14, 698.	2.2	2

#	Article	IF	Citations
19	Ruled surfaces with constant breadth in 3-dimensional Lie group. Asian-European Journal of Mathematics, 0, , .	0.5	2
20	Sweeping surface of center curve on surface in Euclidean 3-space EÂ³. WSEAS Transactions on Mathematics, 2021, 20, 235-243.	0.5	1
21	Timelike Sweeping Surfaces According to Type-2 Bishop Frame in Minkowski 3â€“space. WSEAS Transactions on Mathematics, 2020, 19, 555-563.	0.5	1
22	Time-like Ruled Surface in One-Parameter Hyperbolic Dual Spherical Motions. Abstract and Applied Analysis, 2022, 2022, 1-10.	0.7	1
23	An algebraic approach for system with multiple relative motions. Journal of Mechanical Science and Technology, 2013, 27, 621-628.	1.5	0
24	Sweeping surfaces with Natural mate curve of a spatial curve in Euclidean 3-Space. WSEAS Transactions on Mathematics, 2020, 19, 581-588.	0.5	0
25	On the Timelike Sweeping Surfaces and Singularities in Minkowski 3-Space <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <msubsup> <mrow> <mi mathvariant="double-struck">E</mi> </mrow> <mrow> <mn>1</mn> </mrow> <mrow> <mn>3</mn> </mrow>. Abstract and Applied Analysis, 2022, 2022, 1-9.	0.7	0
26	Timelike <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mi>W</mi> </math>-Surfaces in Minkowski 3-Space <math xmlns="http://www.w3.org/1998/Math/MathML" id="M2"> <msubsup> <mrow> <mi>â„</mi> </mrow> <mrow> <mn>1</mn> </mrow> <mrow> <mn>3</m. Journal of Applied Mathematics, 2022, 2022, 1-10.	0.9	0
27	A Surface Family with a Common Asymptotic Null Curve in Minkowski 3-Space <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <msubsup> <mi mathvariant="double-struck">E</mi> <mn>1</mn> <mn>3</mn> </msubsup> </math>. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	0
28	Time-Like Sweeping Surfaces with a Bishop Frame in the Minkowski 3-Space <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <msubsup> <mi mathvariant="double-struck">E</mi> <mn>1</mn> <mn>3</mn> </msubsup> </math>. Mathematical Problems in Engineering, 2022, 2022, 1-8.	1.1	0
29	On an Explicit Characterization of Spherical Curves in Dual Lorentzian 3-Space <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <msubsup> <mi mathvariant="double-struck">D</mi> <mn>1</mn> <mn>3</mn> </msubsup> </math>. Mathematical Problems in Engineering, 2022, 2022, 1-9.	1.1	0