Emil Å½agar

List of Publications by Year
in descending order

30	306	840776 11	940533 16
papers	citations	h-index	g-index

30	30	30	95
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geometric approximation of the sphere by triangular polynomial spline patches. Computer Aided Geometric Design, 2022, 92, 102061.	1.2	2
2	Interpolation of planar G1 data by Pythagorean-hodograph cubic biarcs with prescribed arc lengths. Computer Aided Geometric Design, 2022, 96, 102119.	1.2	4
3	On optimal polynomial geometric interpolation of circular arcs according to the Hausdorff distance. Journal of Computational and Applied Mathematics, 2021, 392, 113491.	2.0	6
4	Planar projections of spatial Pythagorean-hodograph curves. Computer Aided Geometric Design, 2021, 91, 102049.	1.2	1
5	A general framework for the optimal approximation of circular arcs by parametric polynomial curves. Journal of Computational and Applied Mathematics, 2019, 345, 146-158.	2.0	9
6	Interpolation of circular arcs by parametric polynomials of maximal geometric smoothness. Computer Aided Geometric Design, 2018, 63, 66-77.	1.2	6
7	C1Hermite interpolation with spatial Pythagorean-hodograph cubic biarcs. Journal of Computational and Applied Mathematics, 2014, 257, 65-78.	2.0	21
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>C</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></m Hermite interpolation by Pythagorean-hodograph quintic triarcs. Computer Aided Geometric Design, 2014, 31, 412-426.	1.2	13
9	Some new quartic parametric approximants of circular arcs. Applied Mathematics and Computation, 2014, 239, 254-264.	2.2	10
10	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>C</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></m interpolation by rational biarcs with rational rotation minimizing directed frames. Computer Aided Geometric Design, 2014, 31, 427-440.	1.2	4
11	A Theoretical Analysis of an Improved Rational Scheme for Spherical Camera Motions. Lecture Notes in Computer Science, 2014, , 442-455.	1.3	1
12	High-Order Parametric Polynomial Approximation of Conic Sections. Constructive Approximation, 2013, 38, 1-18.	3.0	10
13	rational interpolation of spherical motions with rational rotation-minimizing directed frames. Computer Aided Geometric Design, 2013, 30, 159-173.	1.2	10
14	Hermite interpolation by rational <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si19.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>G</mml:mi></mml:mrow><mml:mrow><mml:mi>k</mml:mi></mml:mrow></mm motions of low degree. Journal of Computational and Applied Mathematics, 2013, 240, 20-30.	2.0	15
15	Energy Minimizing Mountain Ascent. Journal of Optimization Theory and Applications, 2012, 155, 680-693.	1.5	1
16	An approach to geometric interpolation by Pythagorean-hodograph curves. Advances in Computational Mathematics, 2012, 37, 123-150.	1.6	15
17	Curvature variation minimizing cubic Hermite interpolants. Applied Mathematics and Computation, 2011, 218, 3918-3924.	2.2	23
18	Planar cubic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si6.gif" display="inline" overflow="scroll"><mml:msup><mml:mrow><mml:mi>G</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mm interpolatory splines with small strain energy. Journal of Computational and Applied Mathematics, 2011, 235, 2758-2765.	2.0	21

#	Article	IF	Citations
19	On interpolation by Planar cubic G^2 pythagorean-hodograph spline curves. Mathematics of Computation, 2010, 79, 305-305.	2.1	29
20	Lattices on simplicial partitions. Journal of Computational and Applied Mathematics, 2010, 233, 1704-1715.	2.0	2
21	CLOSED FORM FORMULA FOR THE NUMBER OF RESTRICTED COMPOSITIONS. Bulletin of the Australian Mathematical Society, 2010, 81, 289-297.	0.5	9
22	Barycentric coordinates for Lagrange interpolation over lattices on a simplex. Numerical Algorithms, 2008, 48, 93-104.	1.9	6
23	Shape preserving interpolation by cubic G 1 splines in $${mathbb{R}^3}$$. Annali Dell'Universita Di Ferrara, 2008, 54, 259-267.	1.3	4
24	On geometric Lagrange interpolation by quadratic parametric patches. Computer Aided Geometric Design, 2008, 25, 373-384.	1.2	5
25	Geometric Lagrange interpolation by planar cubic Pythagorean-hodograph curves. Computer Aided Geometric Design, 2008, 25, 720-728.	1.2	13
26	On geometric interpolation by planar parametric polynomial curves. Mathematics of Computation, 2007, 76, 1981-1994.	2.1	20
27	On geometric interpolation of circle-like curves. Computer Aided Geometric Design, 2007, 24, 241-251.	1.2	16
28	Three-pencil lattices on triangulations. Numerical Algorithms, 2007, 45, 49-60.	1.9	7
29	Approximation of circular arcs by parametric polynomial curves. Annali Dell'Universita Di Ferrara, 2007, 53, 271-279.	1.3	6
30	On Geometric Interpolation by Polynomial Curves. SIAM Journal on Numerical Analysis, 2004, 42, 953-967.	2.3	17