Xunnian Yang

List of Publications by Year
in descending order

30 papers	489 citations	687363 13 h-index	677142 22 g-index
31 all docs	31 docs citations	31 times ranked	239 citing authors

#	Article	IF	Citations
1	Uniform hyperbolic polynomial B-spline curves. Computer Aided Geometric Design, 2002, 19, 379-393.	1.2	81
2	Planar point set fairing and fitting by arc splines. CAD Computer Aided Design, 2001, 33, 35-43.	2.7	52
3	Free-form deformation with weighted T-spline. Visual Computer, 2005, 21, 139-151.	3.5	41
4	Curve fitting and fairing using conic splines. CAD Computer Aided Design, 2004, 36, 461-472.	2.7	37
5	Efficient circular arc interpolation based on active tolerance control. CAD Computer Aided Design, 2002, 34, 1037-1046.	2.7	36
6	High accuracy approximation of helices by quintic curves. Computer Aided Geometric Design, 2003, 20, 303-317.	1.2	32
7	Uniform trigonometric polynomial B-spline curves. Science in China Series F: Information Sciences, 2002, 45, 335-343.	1.1	26
8	Normal based subdivision scheme for curve design. Computer Aided Geometric Design, 2006, 23, 243-260.	1.2	26
9	A simple method for interpolating meshes of arbitrary topology by Catmullâ€"Clark surfaces. Visual Computer, 2010, 26, 137-146.	3.5	20
10	Surface interpolation of meshes by geometric subdivision. CAD Computer Aided Design, 2005, 37, 497-508.	2.7	19
11	Approximate -spline surface skinning. CAD Computer Aided Design, 2012, 44, 1269-1276.	2.7	19
12	Euler arc splines for curve completion. Computers and Graphics, 2012, 36, 642-650.	2.5	15
13	Curvature tensor computation by piecewise surface interpolation. CAD Computer Aided Design, 2013, 45, 1639-1650.	2.7	14
14	Geometric Hermite interpolation by a family of intrinsically defined planar curves. CAD Computer Aided Design, 2016, 77, 86-97.	2.7	14
15	Matrix weighted rational curves and surfaces. Computer Aided Geometric Design, 2016, 42, 40-53.	1.2	8
16	Skeleton-driven 2D distance field metamorphosis using intrinsic shape parameters. Graphical Models, 2004, 66, 102-126.	2.4	7
17	A local fitting algorithm for converting planar curves to B-splines. Computer Aided Geometric Design, 2008, 25, 837-849.	1.2	7
18	Geometric Hermite interpolation by logarithmic arc splines. Computer Aided Geometric Design, 2014, 31, 701-711.	1.2	6

#	Article	IF	Citations
19	Dynamic Evaluation of Free-Form Curves and Surfaces. SIAM Journal of Scientific Computing, 2017, 39, B424-B441.	2.8	4
20	Fitting and fairing Hermite-type data by matrix weighted NURBS curves. CAD Computer Aided Design, 2018, 102, 22-32.	2.7	4
21	Cone spline approximation via fat conic spline fitting. CAD Computer Aided Design, 2006, 38, 703-712.	2.7	3
22	Shape aware normal interpolation for curved surface shading from polyhedral approximation. Visual Computer, 2013, 29, 189-201.	3.5	3
23	A computational approach to joint line detection on triangular meshes. Engineering With Computers, 2014, 30, 583-597.	6.1	3
24	Variational surface design under normal field guidance. Journal of Computational Design and Engineering, 2015, 2, 129-136.	3.1	3
25	Interpolation over arbitrary topology meshes using Doo-Sabin surfaces. , 2009, , .		2
26	Geometric interpolation by PH curves with quadratic or quartic rational normals. CAD Computer Aided Design, 2019, 114, 112-121.	2.7	2
27	Geometric Hermite interpolation by a family of spatial algebraicâ€"trigonometric PH curves. Journal of Computational and Applied Mathematics, 2021, 388, 113296.	2.0	2
28	Approximating NURBS curves by arc splines. , 2000, , .		1
29	Surface interpolation of meshes with shape optimization. , 0, , .		1
30	Dynamic Evaluation of Exponential Polynomial Curves and Surfaces via Basis Transformation. SIAM Journal of Scientific Computing, 2019, 41, A3401-A3420.	2.8	1