Zhouwang Yang

List of Publications by Year
in descending order

39 papers	880 citations	687363 13 h-index	477307 29 g-index
39 all docs	39 docs citations	39 times ranked	802 citing authors

#	Article	IF	Citations
1	Polynomial splines over hierarchical T-meshes. Graphical Models, 2008, 70, 76-86.	2.4	244
2	Cost-effective printing of 3D objects with skin-frame structures. ACM Transactions on Graphics, 2013, 32, 1-10.	7.2	158
3	Saliencyâ€Preserving Slicing Optimization for Effective 3D Printing. Computer Graphics Forum, 2015, 34, 148-160.	3.0	63
4	Fitting unorganized point clouds with active implicit B-spline curves. Visual Computer, 2005, 21, 831-839.	3.5	51
5	Parallel and adaptive surface reconstruction based on implicit PHT-splines. Computer Aided Geometric Design, 2011, 28, 463-474.	1.2	46
6	Knot calculation for spline fitting via sparse optimization. CAD Computer Aided Design, 2015, 58, 179-188.	2.7	44
7	Multi-Channel-ResNet: An integration framework towards skin lesion analysis. Informatics in Medicine Unlocked, 2018, 12, 67-74.	3.4	43
8	Function representation based slicer for 3D printing. Computer Aided Geometric Design, 2018, 62, 276-293.	1.2	31
9	A variational model for normal computation of point clouds. Visual Computer, 2012, 28, 163-174.	3.5	23
10	An algorithm for low-rank matrix factorization and its applications. Neurocomputing, 2018, 275, 1012-1020.	5.9	18
11	Vehicle Speed Estimation Based on 3D ConvNets and Non-Local Blocks. Future Internet, 2019, 11, 123.	3.8	18
12	Implicit surface reconstruction with total variation regularization. Computer Aided Geometric Design, 2017, 52-53, 135-153.	1.2	16
13	Moving parabolic approximation of point clouds. CAD Computer Aided Design, 2007, 39, 1091-1112.	2.7	15
14	Hierarchical bases of spline spaces with highest order smoothness over hierarchical T-subdivisions. Computer Aided Geometric Design, 2012, 29, 499-509.	1.2	10
15	Globally consistent rigid registration. Graphical Models, 2014, 76, 542-553.	2.4	10
16	CMA: Cross-modal attention for 6D object pose estimation. Computers and Graphics, 2021, 97, 139-147.	2.5	10
17	PCFNet: Deep neural network with predefined convolutional filters. Neurocomputing, 2020, 382, 32-39.	5.9	9
18	Moving Multiple Curves/Surfaces Approximation of Mixed Point Clouds. Communications in Mathematics and Statistics, 2014, 2, 107-124.	1.5	6

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19	Alternating Direction Method of Multipliers for Solving Dictionary Learning Models. Communications in Mathematics and Statistics, 2015, 3, 37-55.	1.5	6
20	Splitting augmented Lagrangian method for optimization problems with a cardinality constraint and semicontinuous variables. Optimization Methods and Software, 2016, 31, 1089-1109.	2.4	6
21	Knot calculation for spline fitting based on the unimodality property. Computer Aided Geometric Design, 2019, 73, 54-69.	1.2	6
22	Additive Parameter for Deep Face Recognition. Communications in Mathematics and Statistics, 2020, 8, 203-217.	1.5	6
23	Discretizing Laplace–Beltrami Operator from Differential Quantities. Communications in Mathematics and Statistics, 2013, 1, 331-350.	1.5	5
24	A Sequential Regression Model for Big Data with Attributive Explanatory Variables. Journal of the Operations Research Society of China, 2015, 3, 475-488.	1.4	4
25	Recovery of Sharp Features in Mesh Models. Communications in Mathematics and Statistics, 2015, 3, 263-283.	1.5	4
26	Stress-oriented structural optimization for frame structures. Graphical Models, 2018, 97, 80-88.	2.4	4
27	Vectorized instance segmentation using periodic B-splines based on cascade architecture. Computers and Graphics, 2022, 102, 592-600.	2.5	4
28	Specification of Initial Shapes for Dynamic Implicit Curve/Surface Reconstruction. Journal of Computer Science and Technology, 2006, 21, 249-254.	1.5	3
29	Alternating Direction Method for Separable Variables Under Pair-Wise Constraints. Communications in Mathematics and Statistics, 2017, 5, 59-82.	1.5	3
30	Sequential Big Data-Based Macroeconomic Forecast for Industrial Value Added. Communications in Mathematics and Statistics, 2019, 7, 445-457.	1.5	3
31	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach. International Journal of Production Research, 2022, 60, 5505-5522.	7.5	3
32	Parametric curve with an implicit domain. Science China Mathematics, 2014, 57, 2621-2634.	1.7	2
33	An Algorithm for Ordinal Classification Based on Pairwise Comparison. Journal of Classification, 2020, 37, 158-179.	2.2	2
34	The Unimodality of Initial B-Spline Approximations in Spline Fitting. Communications in Mathematics and Statistics, 2022, 10, 331-352.	1.5	2
35	Compression Algorithm for Implicit 3D B-Spline Solids. Communications in Mathematics and Statistics, 2018, 6, 119-140.	1.5	1
36	A Group Norm Regularized Factorization Model for Subspace Segmentation. IEEE Access, 2020, 8, 106601-106613.	4.2	1

#	Article	IF	Citations
37	Spline spaces with mixed orders of continuity over T-meshes. Journal of Computational and Applied Mathematics, 2014, 268, 179-193.	2.0	0
38	Fuzzy Smooth Equilibrium Method for Clustering. International Journal of Fuzzy Systems, 2020, 22, 11-21.	4.0	0
39	Diamond Inclusion Reconstruction. Communications in Mathematics and Statistics, 2020, 8, 341-359.	1.5	0