

# Daniel Cohen-Or

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

8,234  
citations

44  
h-index

90  
g-index

97  
ext. papers

9,449  
ext. citations

4.7  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
97	Feature-aligned shape texturing. <i>ACM Transactions on Graphics</i> , <b>2009</b> , 28, 1-7	7.6	1742
96	Consistent mesh partitioning and skeletonisation using the shape diameter function. <i>Visual Computer</i> , <b>2008</b> , 24, 249-259	2.3	350
95	Salient geometric features for partial shape matching and similarity. <i>ACM Transactions on Graphics</i> , <b>2006</b> , 25, 130-150	7.6	342
94	A Survey on Shape Correspondence. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 1681-1707	2.4	329
93	4-points congruent sets for robust pairwise surface registration. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-10	7.6	304
92	As-rigid-as-possible shape interpolation <b>2000</b> ,		274
91	Non-homogeneous Content-driven Video-retargeting <b>2007</b> ,		271
90	Skeleton extraction by mesh contraction. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-10	7.6	225
89	Linear rotation-invariant coordinates for meshes. <i>ACM Transactions on Graphics</i> , <b>2005</b> , 24, 479-487	7.6	210
88	Color harmonization. <i>ACM Transactions on Graphics</i> , <b>2006</b> , 25, 624-630	7.6	192
87	Green Coordinates. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-10	7.6	178
86	Three-dimensional distance field metamorphosis. <i>ACM Transactions on Graphics</i> , <b>1998</b> , 17, 116-141	7.6	176
85	Optimizing Photo Composition. <i>Computer Graphics Forum</i> , <b>2010</b> , 29, 469-478	2.4	160
84	iWIRES. <i>ACM Transactions on Graphics</i> , <b>2009</b> , 28, 1-10	7.6	144
83	Active co-analysis of a set of shapes. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-10	7.6	136
82	A sketch-based interface for detail-preserving mesh editing. <i>ACM Transactions on Graphics</i> , <b>2005</b> , 24, 1142-1147	7.6	128
81	Unsupervised co-segmentation of a set of shapes via descriptor-space spectral clustering. <i>ACM Transactions on Graphics</i> , <b>2011</b> , 30, 1-10	7.6	124

80	L 1 -medial skeleton of point cloud. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-8	7.6	121
79	Curve skeleton extraction from incomplete point cloud. <i>ACM Transactions on Graphics</i> , <b>2009</b> , 28, 1-9	7.6	121
78	Fit and diverse. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-10	7.6	110
77	Pose-oblivious shape signature. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2007</b> , 13, 261-271	7.6	107
76	Mesh scissoring with minima rule and part salience. <i>Computer Aided Geometric Design</i> , <b>2005</b> , 22, 444-465	7.6	97
75	3-Sweep. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-10	7.6	92
74	Joint embeddings of shapes and images via CNN image purification. <i>ACM Transactions on Graphics</i> , <b>2015</b> , 34, 1-12	7.6	77
73	Structure-aware shape processing <b>2013</b> ,	7.6	75
72	Data-driven enhancement of facial attractiveness. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-9	7.6	75
71	Bringing portraits to life. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1-13	7.6	74
70	Approximate pyramidal shape decomposition. <i>ACM Transactions on Graphics</i> , <b>2014</b> , 33, 1-12	7.6	74
69	Parametric reshaping of human bodies in images. <i>ACM Transactions on Graphics</i> , <b>2010</b> , 29, 1-10	7.6	74
68	Style-content separation by anisotropic part scales. <i>ACM Transactions on Graphics</i> , <b>2010</b> , 29, 1-10	7.6	70
67	Non-homogeneous resizing of complex models. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-9	7.6	69
66	Smart Variations: Functional Substructures for Part Compatibility. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 195-204	2.4	68
65	Prior Knowledge for Part Correspondence. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 553-562	2.4	65
64	Component-wise Controllers for Structure-Preserving Shape Manipulation. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 563-572	2.4	60
63	A Part-aware Surface Metric for Shape Analysis. <i>Computer Graphics Forum</i> , <b>2009</b> , 28, 397-406	2.4	60

62	SnapPaste: an interactive technique for easy mesh composition. <i>Visual Computer</i> , <b>2006</b> , 22, 835-844	2.3	60
61	Shape Segmentation by Approximate Convexity Analysis. <i>ACM Transactions on Graphics</i> , <b>2014</b> , 34, 1-11	7.6	58
60	Meta-representation of shape families. <i>ACM Transactions on Graphics</i> , <b>2014</b> , 33, 1-11	7.6	56
59	Photo-inspired model-driven 3D object modeling. <i>ACM Transactions on Graphics</i> , <b>2011</b> , 30, 1-10	7.6	56
58	Context-based Space Filling Curves. <i>Computer Graphics Forum</i> , <b>2000</b> , 19, 209-218	2.4	52
57	Volume and shape preservation via moving frame manipulation. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 5	7.6	50
56	Geometry-aware bases for shape approximation. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2005</b> , 11, 171-80	4	49
55	Conservative Visibility and Strong Occlusion for Viewspace Partitioning of Densely Occluded Scenes. <i>Computer Graphics Forum</i> , <b>1998</b> , 17, 243-253	2.4	47
54	3D collage <b>2007</b> ,		47
53	Electors Voting for Fast Automatic Shape Correspondence. <i>Computer Graphics Forum</i> , <b>2010</b> , 29, 645-654	2.4	44
52	Connected fermat spirals for layered fabrication. <i>ACM Transactions on Graphics</i> , <b>2016</b> , 35, 1-10	7.6	43
51	Reciprocal frame structures made easy. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-13	7.6	42
50	Sketch-to-Design: Context-Based Part Assembly. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 233-245	2.4	42
49	Structure-preserving retargeting of irregular 3D architecture. <i>ACM Transactions on Graphics</i> , <b>2011</b> , 30, 1-10	7.6	41
48	Dynamic harmonic fields for surface processing. <i>Computers and Graphics</i> , <b>2009</b> , 33, 391-398	1.8	38
47	Handle-aware isolines for scalable shape editing. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 83	7.6	36
46	Projective analysis for 3D shape segmentation. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-12	7.6	35
45	Recurring part arrangements in shape collections. <i>Computer Graphics Forum</i> , <b>2014</b> , 33, 115-124	2.4	35

44	Green Coordinates <b>2008</b> ,		34
43	Interactive topology-aware surface reconstruction. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 43	7.6	33
42	Weak Convex Decomposition by Lines-of-sight. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 23-31	2.4	32
41	Generalized cylinder decomposition. <i>ACM Transactions on Graphics</i> , <b>2015</b> , 34, 1-14	7.6	30
40	Qualitative organization of collections of shapes via quartet analysis. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-10	7.6	29
39	Ray space factorization for from-region visibility. <i>ACM Transactions on Graphics</i> , <b>2003</b> , 22, 595-604	7.6	29
38	Linear rotation-invariant coordinates for meshes <b>2005</b> ,		29
37	Data Driven Evaluation of Crowds. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 75-83	0.9	28
36	Learning character-agnostic motion for motion retargeting in 2D. <i>ACM Transactions on Graphics</i> , <b>2019</b> , 38, 1-14	7.6	24
35	Space Deformations, Surface Deformations and the Opportunities In-Between. <i>Journal of Computer Science and Technology</i> , <b>2009</b> , 24, 2-5	1.7	23
34	Unsupervised co-segmentation of a set of shapes via descriptor-space spectral clustering <b>2011</b> ,		23
33	Digital face beautification <b>2006</b> ,		18
32	SHED. <i>ACM Transactions on Graphics</i> , <b>2015</b> , 34, 1-11	7.6	17
31	Algebraic analysis of high-pass quantization. <i>ACM Transactions on Graphics</i> , <b>2005</b> , 24, 1259-1282	7.6	17
30	Reconfigurable interlocking furniture. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1-14	7.6	17
29	Stackabilization. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-9	7.6	16
28	A qualitative and quantitative visibility analysis in urban scenes. <i>Computers and Graphics</i> , <b>1999</b> , 23, 655-668	6.6	16
27	VASE: Volume-Aware Surface Evolution for Surface Reconstruction from Incomplete Point Clouds. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 1563-1571	2.4	15

26	Autonomous reconstruction of unknown indoor scenes guided by time-varying tensor fields. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1-15	7.6	15
25	Virtual Occluders: An Efficient Intermediate PVS representation. <i>Eurographics</i> , <b>2000</b> , 59-70		15
24	Structure-oriented networks of shape collections. <i>ACM Transactions on Graphics</i> , <b>2016</b> , 35, 1-14	7.6	15
23	Context-Dependent Crowd Evaluation. <i>Computer Graphics Forum</i> , <b>2010</b> , 29, 2197-2206	2.4	13
22	Mesh analysis using geodesic mean-shift. <i>Visual Computer</i> , <b>2006</b> , 22, 99-108	2.3	13
21	Hardware-accelerated from-region visibility using a dual ray space. <i>Eurographics</i> , <b>2001</b> , 205-215		13
20	From inspired modeling to creative modeling. <i>Visual Computer</i> , <b>2016</b> , 32, 7-14	2.3	12
19	Flower reconstruction from a single photo. <i>Computer Graphics Forum</i> , <b>2014</b> , 33, 439-447	2.4	11
18	Dynamic Maps for Exploring and Browsing Shapes. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 187-196	2.4	11
17	Hallucinating Stereoscopy from a Single Image. <i>Computer Graphics Forum</i> , <b>2015</b> , 34, 1-12	2.4	10
16	Field-guided registration for feature-conforming shape composition. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-11	7.6	10
15	DynamicMaps <b>2015</b> ,		9
14	Skeleton-Intrinsic Symmetrization of Shapes. <i>Computer Graphics Forum</i> , <b>2015</b> , 34, 275-286	2.4	9
13	More of the same: Synthesizing a variety by structural layering. <i>Computers and Graphics</i> , <b>2012</b> , 36, 250-256		8
12	Dance to the beat: Synchronizing motion to audio. <i>Computational Visual Media</i> , <b>2018</b> , 4, 197-208	3.9	6
11	INNER-COVER OF NON-CONVEX SHAPES. <i>International Journal of Shape Modeling</i> , <b>2003</b> , 09, 223-238		6
10	Toward semantic image similarity from crowdsourced clustering. <i>Visual Computer</i> , <b>2016</b> , 32, 1045-1055	2.3	5
9	An Interactive Computational Design Tool for Large Reciprocal Frame Structures. <i>Nexus Network Journal</i> , <b>2014</b> , 16, 109-118	0.3	4

8	Hierarchical Context-based Pixel Ordering. <i>Computer Graphics Forum</i> , <b>2003</b> , 22, 349-358	2.4	4
7	Semantic object reconstruction via casual handheld scanning. <i>ACM Transactions on Graphics</i> , <b>2019</b> , 37, 1-12	7.6	4
6	Image resizing by reconstruction from deep features. <i>Computational Visual Media</i> , <b>2021</b> , 7, 453-466	3.9	3
5	Class-sensitive shape dissimilarity metric. <i>Graphical Models</i> , <b>2018</b> , 98, 33-42	0.9	1
4	ExquiMo: An Exquisite Corpse Tool for Collaborative 3D Shape Design. <i>Journal of Computer Science and Technology</i> , <b>2017</b> , 32, 1138-1149	1.7	1
3	Inferring object properties from human interaction and transferring them to new motions. <i>Computational Visual Media</i> , <b>2021</b> , 7, 375-392	3.9	1
2	Implicit pairs for boosting unpaired image-to-image translation. <i>Visual Informatics</i> , <b>2020</b> , 4, 50-58	2.8	
1	Group optimization for multi-attribute visual embedding. <i>Visual Informatics</i> , <b>2018</b> , 2, 181-189	2.8	