

# Daniel Cohen-Or

## List of Publications by Year in Descending Order

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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	Image resizing by reconstruction from deep features. <i>Computational Visual Media</i> , <b>2021</b> , 7, 453-466	3.9	3
96	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
95	Implicit pairs for boosting unpaired image-to-image translation. <i>Visual Informatics</i> , <b>2020</b> , 4, 50-58	2.8	
94	Learning character-agnostic motion for motion retargeting in 2D. <i>ACM Transactions on Graphics</i> , <b>2019</b> , 38, 1-14	7.6	24
93	Semantic object reconstruction via casual handheld scanning. <i>ACM Transactions on Graphics</i> , <b>2019</b> , 37, 1-12	7.6	4
92	Class-sensitive shape dissimilarity metric. <i>Graphical Models</i> , <b>2018</b> , 98, 33-42	0.9	1
91	Dance to the beat: Synchronizing motion to audio. <i>Computational Visual Media</i> , <b>2018</b> , 4, 197-208	3.9	6
90	Group optimization for multi-attribute visual embedding. <i>Visual Informatics</i> , <b>2018</b> , 2, 181-189	2.8	
89	Bringing portraits to life. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1-13	7.6	74
88	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
87	Reconfigurable interlocking furniture. <i>ACM Transactions on Graphics</i> , <b>2017</b> , 36, 1-14	7.6	17
86	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
85	Connected fermat spirals for layered fabrication. <i>ACM Transactions on Graphics</i> , <b>2016</b> , 35, 1-10	7.6	43
84	Toward semantic image similarity from crowdsourced clustering. <i>Visual Computer</i> , <b>2016</b> , 32, 1045-1055	2.3	5
83	From inspired modeling to creative modeling. <i>Visual Computer</i> , <b>2016</b> , 32, 7-14	2.3	12
82	Structure-oriented networks of shape collections. <i>ACM Transactions on Graphics</i> , <b>2016</b> , 35, 1-14	7.6	15
81	DynamicMaps <b>2015</b> ,		9

80	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
79	SHED. <i>ACM Transactions on Graphics</i> , <b>2015</b> , 34, 1-11	7.6	17
78	Skeleton-Intrinsic Symmetrization of Shapes. <i>Computer Graphics Forum</i> , <b>2015</b> , 34, 275-286	2.4	9
77	Hallucinating Stereoscopy from a Single Image. <i>Computer Graphics Forum</i> , <b>2015</b> , 34, 1-12	2.4	10
76	Generalized cylinder decomposition. <i>ACM Transactions on Graphics</i> , <b>2015</b> , 34, 1-14	7.6	30
75	Meta-representation of shape families. <i>ACM Transactions on Graphics</i> , <b>2014</b> , 33, 1-11	7.6	56
74	An Interactive Computational Design Tool for Large Reciprocal Frame Structures. <i>Nexus Network Journal</i> , <b>2014</b> , 16, 109-118	0.3	4
73	Approximate pyramidal shape decomposition. <i>ACM Transactions on Graphics</i> , <b>2014</b> , 33, 1-12	7.6	74
72	Shape Segmentation by Approximate Convexity Analysis. <i>ACM Transactions on Graphics</i> , <b>2014</b> , 34, 1-11	7.6	58
71	Recurring part arrangements in shape collections. <i>Computer Graphics Forum</i> , <b>2014</b> , 33, 115-124	2.4	35
70	Flower reconstruction from a single photo. <i>Computer Graphics Forum</i> , <b>2014</b> , 33, 439-447	2.4	11
69	Projective analysis for 3D shape segmentation. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-12	7.6	35
68	Smart Variations: Functional Substructures for Part Compatibility. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 195-204	2.4	68
67	Reciprocal frame structures made easy. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-13	7.6	42
66	3-Sweep. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-10	7.6	92
65	Sketch-to-Design: Context-Based Part Assembly. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 233-245	2.4	42
64	Dynamic Maps for Exploring and Browsing Shapes. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 187-196	2.4	11
63	Weak Convex Decomposition by Lines-of-sight. <i>Computer Graphics Forum</i> , <b>2013</b> , 32, 23-31	2.4	32

62	L 1 -medial skeleton of point cloud. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-8	7.6	121
61	Structure-aware shape processing <b>2013</b> ,		75
60	Qualitative organization of collections of shapes via quartet analysis. <i>ACM Transactions on Graphics</i> , <b>2013</b> , 32, 1-10	7.6	29
59	Stackabilization. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-9	7.6	16
58	Active co-analysis of a set of shapes. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-10	7.6	136
57	More of the same: Synthesizing a variety by structural layering. <i>Computers and Graphics</i> , <b>2012</b> , 36, 250-256		8
56	Fit and diverse. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-10	7.6	110
55	Field-guided registration for feature-conforming shape composition. <i>ACM Transactions on Graphics</i> , <b>2012</b> , 31, 1-11	7.6	10
54	Component-wise Controllers for Structure-Preserving Shape Manipulation. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 563-572	2.4	60
53	A Survey on Shape Correspondence. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 1681-1707	2.4	329
52	Prior Knowledge for Part Correspondence. <i>Computer Graphics Forum</i> , <b>2011</b> , 30, 553-562	2.4	65
51	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
50	Photo-inspired model-driven 3D object modeling. <i>ACM Transactions on Graphics</i> , <b>2011</b> , 30, 1-10	7.6	56
49	Unsupervised co-segmentation of a set of shapes via descriptor-space spectral clustering <b>2011</b> ,		23
48	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
47	Structure-preserving retargeting of irregular 3D architecture. <i>ACM Transactions on Graphics</i> , <b>2011</b> , 30, 1-10	7.6	41
46	Optimizing Photo Composition. <i>Computer Graphics Forum</i> , <b>2010</b> , 29, 469-478	2.4	160
45	Electors Voting for Fast Automatic Shape Correspondence. <i>Computer Graphics Forum</i> , <b>2010</b> , 29, 645-654	2.4	44

44	Context-Dependent Crowd Evaluation. <i>Computer Graphics Forum</i> , <b>2010</b> , 29, 2197-2206	2.4	13
43	Style-content separation by anisotropic part scales. <i>ACM Transactions on Graphics</i> , <b>2010</b> , 29, 1-10	7.6	70
42	Parametric reshaping of human bodies in images. <i>ACM Transactions on Graphics</i> , <b>2010</b> , 29, 1-10	7.6	74
41	iWIRES. <i>ACM Transactions on Graphics</i> , <b>2009</b> , 28, 1-10	7.6	144
40	Curve skeleton extraction from incomplete point cloud. <i>ACM Transactions on Graphics</i> , <b>2009</b> , 28, 1-9	7.6	121
39	Dynamic harmonic fields for surface processing. <i>Computers and Graphics</i> , <b>2009</b> , 33, 391-398	1.8	38
38	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
37	A Part-aware Surface Metric for Shape Analysis. <i>Computer Graphics Forum</i> , <b>2009</b> , 28, 397-406	2.4	60
36	Feature-aligned shape texturing. <i>ACM Transactions on Graphics</i> , <b>2009</b> , 28, 1-7	7.6	1742
35	Data Driven Evaluation of Crowds. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 75-83	0.9	28
34	Data-driven enhancement of facial attractiveness. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-9	7.6	75
33	Green Coordinates. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-10	7.6	178
32	Skeleton extraction by mesh contraction. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-10	7.6	225
31	Green Coordinates <b>2008</b> ,		34
30	4-points congruent sets for robust pairwise surface registration. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-10	7.6	304
29	Non-homogeneous resizing of complex models. <i>ACM Transactions on Graphics</i> , <b>2008</b> , 27, 1-9	7.6	69
28	Consistent mesh partitioning and skeletonisation using the shape diameter function. <i>Visual Computer</i> , <b>2008</b> , 24, 249-259	2.3	350
27	Interactive topology-aware surface reconstruction. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 43	7.6	33

26	Handle-aware isolines for scalable shape editing. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 83	7.6	36
25	Volume and shape preservation via moving frame manipulation. <i>ACM Transactions on Graphics</i> , <b>2007</b> , 26, 5	7.6	50
24	Non-homogeneous Content-driven Video-retargeting <b>2007</b> ,		271
23	3D collage <b>2007</b> ,		47
22	Pose-oblivious shape signature. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2007</b> , 13, 261-71		107
21	SnapPaste: an interactive technique for easy mesh composition. <i>Visual Computer</i> , <b>2006</b> , 22, 835-844	2.3	60
20	Mesh analysis using geodesic mean-shift. <i>Visual Computer</i> , <b>2006</b> , 22, 99-108	2.3	13
19	Salient geometric features for partial shape matching and similarity. <i>ACM Transactions on Graphics</i> , <b>2006</b> , 25, 130-150	7.6	342
18	Color harmonization. <i>ACM Transactions on Graphics</i> , <b>2006</b> , 25, 624-630	7.6	192
17	Digital face beautification <b>2006</b> ,		18
16	Geometry-aware bases for shape approximation. <i>IEEE Transactions on Visualization and Computer Graphics</i> , <b>2005</b> , 11, 171-80	4	49
15	Mesh scissoring with minima rule and part salience. <i>Computer Aided Geometric Design</i> , <b>2005</b> , 22, 444-465	1.2	97
14	A sketch-based interface for detail-preserving mesh editing. <i>ACM Transactions on Graphics</i> , <b>2005</b> , 24, 1142-1147	7.6	128
13	Linear rotation-invariant coordinates for meshes. <i>ACM Transactions on Graphics</i> , <b>2005</b> , 24, 479-487	7.6	210
12	Algebraic analysis of high-pass quantization. <i>ACM Transactions on Graphics</i> , <b>2005</b> , 24, 1259-1282	7.6	17
11	Linear rotation-invariant coordinates for meshes <b>2005</b> ,		29
10	Ray space factorization for from-region visibility. <i>ACM Transactions on Graphics</i> , <b>2003</b> , 22, 595-604	7.6	29
9	Hierarchical Context-based Pixel Ordering. <i>Computer Graphics Forum</i> , <b>2003</b> , 22, 349-358	2.4	4

8	INNER-COVER OF NON-CONVEX SHAPES. <i>International Journal of Shape Modeling</i> , <b>2003</b> , 09, 223-238		6
7	Hardware-accelerated from-region visibility using a dual ray space. <i>Eurographics</i> , <b>2001</b> , 205-215		13
6	Context-based Space Filling Curves. <i>Computer Graphics Forum</i> , <b>2000</b> , 19, 209-218	2.4	52
5	As-rigid-as-possible shape interpolation <b>2000</b> ,		274
4	Virtual Occluders: An Efficient Intermediate PVS representation. <i>Eurographics</i> , <b>2000</b> , 59-70		15
3	A qualitative and quantitative visibility analysis in urban scenes. <i>Computers and Graphics</i> , <b>1999</b> , 23, 655-666		16
2	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
1	Three-dimensional distance field metamorphosis. <i>ACM Transactions on Graphics</i> , <b>1998</b> , 17, 116-141	7.6	176