

# Mirela Ben-Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,898  
citations

304743

22  
h-index

454955

30  
g-index

38  
all docs

38  
docs citations

38  
times ranked

930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional maps. ACM Transactions on Graphics, 2012, 31, 1-11.	7.2	445
2	Conformal Flattening by Curvature Prescription and Metric Scaling. Computer Graphics Forum, 2008, 27, 449-458.	3.0	128
3	Map-based exploration of intrinsic shape differences and variability. ACM Transactions on Graphics, 2013, 32, 1-12.	7.2	102
4	Variational harmonic maps for space deformation. ACM Transactions on Graphics, 2009, 28, 1-11.	7.2	101
5	Directional Field Synthesis, Design, and Processing. Computer Graphics Forum, 2016, 35, 545-572.	3.0	92
6	Complex Barycentric Coordinates with Applications to Planar Shape Deformation. Computer Graphics Forum, 2009, 28, 587-597.	3.0	79
7	An Optimization Approach to Improving Collections of Shape Maps. Computer Graphics Forum, 2011, 30, 1481-1491.	3.0	75
8	Parallel Transport on the Cone Manifold of SPD Matrices for Domain Adaptation. IEEE Transactions on Signal Processing, 2019, 67, 1797-1811.	5.3	73
9	Can Mean Curvature Flow be Modified to be Non-singular?. Computer Graphics Forum, 2012, 31, 1745-1754.	3.0	59
10	Deblurring and Denoising of Maps between Shapes. Computer Graphics Forum, 2017, 36, 165-174.	3.0	58
11	On Discrete Killing Vector Fields and Patterns on Surfaces. Computer Graphics Forum, 2010, 29, 1701-1711.	3.0	52
12	Soft Maps Between Surfaces. Computer Graphics Forum, 2012, 31, 1617-1626.	3.0	51
13	GWCNN: A Metric Alignment Layer for Deep Shape Analysis. Computer Graphics Forum, 2017, 36, 49-57.	3.0	48
14	Spatial deformation transfer. , 2009, , .		47
15	An Operator Approach to Tangent Vector Field Processing. Computer Graphics Forum, 2013, 32, 73-82.	3.0	40
16	As Killing as Possible Vector Fields for Planar Deformation. Computer Graphics Forum, 2011, 30, 1543-1552.	3.0	39
17	Reversible Harmonic Maps between Discrete Surfaces. ACM Transactions on Graphics, 2019, 38, 1-12.	7.2	37
18	Discrete Derivatives of Vector Fields on Surfaces – An Operator Approach. ACM Transactions on Graphics, 2015, 34, 1-13.	7.2	35

#	ARTICLE	IF	CITATIONS
19	Chebyshev nets from commuting PolyVector fields. ACM Transactions on Graphics, 2019, 38, 1-16.	7.2	35
20	Surface multigrid via intrinsic prolongation. ACM Transactions on Graphics, 2021, 40, 1-13.	7.2	35
21	Computing and processing correspondences with functional maps. , 2017, , .		33
22	Computing and processing correspondences with functional maps. , 2016, , .		30
23	Functional thin films on surfaces. , 2015, , .		26
24	Directional field synthesis, design, and processing. , 2016, , .		26
25	Discovery of Intrinsic Primitives on Triangle Meshes. Computer Graphics Forum, 2011, 30, 365-374.	3.0	25
26	Consistent functional cross field design for mesh quadrangulation. ACM Transactions on Graphics, 2017, 36, 1-13.	7.2	25
27	Functional Fluids on Surfaces. Computer Graphics Forum, 2014, 33, 237-246.	3.0	24
28	Variational harmonic maps for space deformation. , 2009, , .		14
29	Steklov Spectral Geometry for Extrinsic Shape Analysis. ACM Transactions on Graphics, 2019, 38, 1-21.	7.2	13
30	Advection-Based Function Matching on Surfaces. Computer Graphics Forum, 2016, 35, 55-64.	3.0	11
31	Hierarchical Functional Maps between Subdivision Surfaces. Computer Graphics Forum, 2019, 38, 55-73.	3.0	9
32	Generalized volumetric foliation from inverted viscous flow. Computers and Graphics, 2019, 82, 152-162.	2.5	8
33	Cross-Collection Map Inference by Intrinsic Alignment of Shape Spaces. Computer Graphics Forum, 2014, 33, 281-290.	3.0	7
34	ENIGMA. ACM Transactions on Graphics, 2020, 39, .	7.2	7
35	Iterative Closest Conformal Maps between Planar Domains. Computer Graphics Forum, 2016, 35, 33-40.	3.0	6
36	Robust Shape Collection Matching and Correspondence from Shape Differences. Computer Graphics Forum, 2020, 39, 555-568.	3.0	3

#	ARTICLE	IF	CITATIONS
37	Surface multigrid via intrinsic prolongation. ACM Transactions on Graphics, 2021, 40, 1-13.	7.2	0
38	Operator-based representations of discrete tangent vector fields. Handbook of Numerical Analysis, 2019, 20, 117-147.	1.8	0