

# Esther Ezra

## List of Publications by Year in descending order

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21  
papers

295  
citations

1163117

8  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-Size $\epsilon$ -Nets for Axis-Parallel Rectangles and Boxes. <i>SIAM Journal on Computing</i> , 2010, 39, 3248-3282.	1.0	86
2	On the performance of the ICP algorithm. <i>Computational Geometry: Theory and Applications</i> , 2008, 41, 77-93.	0.5	38
3	Improved Bounds for the Union of Locally Fat Objects in the Plane. <i>SIAM Journal on Computing</i> , 2014, 43, 543-572.	1.0	34
4	Two Proofs for Shallow Packings. <i>Discrete and Computational Geometry</i> , 2016, 56, 910-939.	0.6	20
5	Decomposing Arrangements of Hyperplanes: VC-Dimension, Combinatorial Dimension, and Point Location. <i>Discrete and Computational Geometry</i> , 2020, 64, 109-173.	0.6	20
6	A Size-Sensitive Discrepancy Bound for Set Systems of Bounded Primal Shatter Dimension. <i>SIAM Journal on Computing</i> , 2016, 45, 84-101.	1.0	19
7	Near-Linear Approximation Algorithms for Geometric Hitting Sets. <i>Algorithmica</i> , 2012, 63, 1-25.	1.3	14
8	Counting and representing intersections among triangles in three dimensions. <i>Computational Geometry: Theory and Applications</i> , 2005, 32, 196-215.	0.5	11
9	Efficient Algorithm for Generalized Polynomial Partitioning and Its Applications. <i>SIAM Journal on Computing</i> , 2021, 50, 760-787.	1.0	9
10	Convex hull of points lying on lines in $\mathbb{R}^3$ . <i>Discrete and Computational Geometry</i> , 2013, 46, 417-434.	0.5	7
11	A Nearly Quadratic Bound for Point-Location in Hyperplane Arrangements, in the Linear Decision Tree Model. <i>Discrete and Computational Geometry</i> , 2019, 61, 735-755.	0.6	7
12	On pseudo-disk hypergraphs. <i>Computational Geometry: Theory and Applications</i> , 2021, 92, 101687.	0.5	6
13	A Single Cell in an Arrangement of Convex Polyhedra in $\mathbb{R}^3$ . <i>Discrete and Computational Geometry</i> , 2007, 37, 21-41.	0.6	5
14	A note about weak $\hat{\mu}$ -nets for axis-parallel boxes in $d$ -space. <i>Information Processing Letters</i> , 2010, 110, 835-840.	0.6	5
15	On Regular Vertices of the Union of Planar Convex Objects. <i>Discrete and Computational Geometry</i> , 2009, 41, 216-231.	0.6	4
16	On the Union of Cylinders in Three Dimensions. <i>Discrete and Computational Geometry</i> , 2011, 45, 45-64.	0.6	3
17	On the Beck-Fiala conjecture for random set systems. <i>Random Structures and Algorithms</i> , 2019, 54, 665-675.	1.1	3
18	Constructive Polynomial Partitioning for Algebraic Curves in $\mathbb{R}^3$ with Applications. <i>SIAM Journal on Computing</i> , 2020, 49, 1109-1127.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Output-Sensitive Construction of the Union of Triangles. SIAM Journal on Computing, 2005, 34, 1331-1351.	1.0	1
20	On 3SUM-hard Problems in the Decision Tree Model. Lecture Notes in Computer Science, 2021, , 178-188.	1.3	0
21	Counting and Cutting Rich Lenses in Arrangements of Circles. SIAM Journal on Discrete Mathematics, 2022, 36, 958-974.	0.8	0