Raimund Seidel

List of Publications by Citations

24 papers	1,160 citations	15 h-index	24 g-index
24 ext. papers	1,296 ext. citations	0.7 avg, IF	3.95 L-index

#	Paper	IF	Citations
24	The Ultimate Planar Convex Hull Algorithm?. *SIAM Journal on Computing*, **1986**, 15, 287-299	1.1	221
23	Voronoi diagrams and arrangements. *Discrete and Computational Geometry*, **1986**, 1, 25-44	0.6	175
22	A simple and fast incremental randomized algorithm for computing trapezoidal decompositions and for triangulating polygons. *Computational Geometry: Theory and Applications*, **1991**, 1, 51-64	0.4	145
21	How good are convex hull algorithms?. *Computational Geometry: Theory and Applications*, **1997**, 7, 265-301	0.4	137
20	Four results on randomized incremental constructions. *Computational Geometry: Theory and Applications*, **1993**, 3, 185-212	0.4	92
19	On the difficulty of triangulating three-dimensional Nonconvex Polyhedra. *Discrete and Computational Geometry*, **1992**, 7, 227-253	0.6	87
18	On the Zone Theorem for Hyperplane Arrangements. *SIAM Journal on Computing*, **1993**, 22, 418-429	1.1	48
17	A better upper bound on the number of triangulations of a planar point set. *Journal of Combinatorial Theory - Series A*, **2003**, 102, 186-193	1	36
16	Implicitly representing arrangements of lines or segments. *Discrete and Computational Geometry*, **1989**, 4, 433-466	0.6	33
15	Backwards Analysis of Randomized Geometric Algorithms. *Algorithms and Combinatorics*, **1993**, 37-67		26
14	Constructing arrangements of lines and hyperplanes with applications **1983**,		23
13	Checking geometric programs or verification of geometric structures. *Computational Geometry: Theory and Applications*, **1999**, 12, 85-103	0.4	21
12	Top-Down Analysis of Path Compression. *SIAM Journal on Computing*, **2005**, 34, 515-525	1.1	20
11	Arrangements of curves in the plane topology, combinatorics, and algorithms. *Lecture Notes in Computer Science*, **1988**, 214-229	0.9	20
10	On the Exact Worst Case Query Complexity of Planar Point Location. *Journal of Algorithms*, **2000**, 37, 189-217		19
9	MAXIMIZING A VORONOI REGION: THE CONVEX CASE. *International Journal of Computational Geometry and Applications*, **2005**, 15, 463-475	0.3	14
8	A Method for Proving Lower Bounds for Certain Geometric Problems. *Machine Intelligence and Pattern Recognition*, **1985**, 2, 319-334		11

7	Note On the Number of Triangulations of Planar Point Sets. *Combinatorica*, **1998**, 18, 297-299	0.9	8
6	Simple On-Line Algorithms for Convex Polygons. *Machine Intelligence and Pattern Recognition*, **1985**, 2, 23-42		8
5	Counting triangulations and other crossing-free structures approximately. *Computational Geometry: Theory and Applications*, **2015**, 48, 386-397	0.4	7
4	Four results on randomized incremental constructions. *Lecture Notes in Computer Science*, **1992**, 461-474	0.9	4
3	The nature and meaning of perturbations in geometric computing. *Lecture Notes in Computer Science*, **1994**, 1-17	0.9	4
2	Convex hulls of spheres and convex hulls of disjoint convex polytopes. *Computational Geometry: Theory and Applications*, **2013**, 46, 615-630	0.4	1
1	Top-Down Analysis of Path Compression: Deriving the Inverse-Ackermann Bound Naturally (and Easily). *Lecture Notes in Computer Science*, **2006**, 1-1	0.9	