

# Ranita Biswas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4968154/publications.pdf>

Version: 2024-02-01

17  
papers

158  
citations

1684188

5  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

99  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous and Discrete Radius Functions on Voronoi Tessellations and Delaunay Mosaics. Discrete and Computational Geometry, 2022, 67, 811-842.	0.6	1
2	Body Centered Cubic Grid - Coordinate System and Discrete Analytical Plane Definition. Lecture Notes in Computer Science, 2021, , 152-163.	1.3	4
3	Digital Objects in Rhombic Dodecahedron Grid. Mathematical Morphology - Theory and Applications, 2020, 4, 143-158.	0.7	1
4	Rhombic Dodecahedron Grid's Coordinate System and 3D Digital Object Definitions. Lecture Notes in Computer Science, 2019, , 27-37.	1.3	2
5	Sphere Construction on the FCC Grid Interpreted as Layered Hexagonal Grids in 3D. Lecture Notes in Computer Science, 2018, , 82-96.	1.3	2
6	On the polyhedra of graceful spheres and circular geodesics. Discrete Applied Mathematics, 2017, 216, 362-375.	0.9	3
7	On the Functionality and Usefulness of Quadraginta Octants of Naive Sphere. Journal of Mathematical Imaging and Vision, 2017, 59, 69-83.	1.3	3
8	Fast and Efficient Incremental Algorithms for Circular and Spherical Propagation in Integer Space. Lecture Notes in Computer Science, 2017, , 347-359.	1.3	0
9	Construction of Persistent Voronoi Diagram on 3D Digital Plane. Lecture Notes in Computer Science, 2017, , 93-104.	1.3	0
10	Digital Primitives Defined by Weighted Focal Set. Lecture Notes in Computer Science, 2017, , 388-398.	1.3	1
11	From prima quadraginta octant to lattice sphere through primitive integer operations. Theoretical Computer Science, 2016, 624, 56-72.	0.9	9
12	On Some Local Topological Properties of Naive Discrete Sphere. Lecture Notes in Computer Science, 2016, , 253-264.	1.3	0
13	Layer the sphere. Visual Computer, 2015, 31, 787-797.	3.5	7
14	On different topological classes of spherical geodesic paths and circles in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="double-struck" \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ . Theoretical Computer Science, 2015, 605, 146-163.	0.9	9
15	On the Connectivity and Smoothness of Discrete Spherical Circles. Lecture Notes in Computer Science, 2015, , 86-100.	1.3	5
16	On Finding Spherical Geodesic Paths and Circles in $\mathbb{S}^3$ . Lecture Notes in Computer Science, 2014, , 396-409.	1.3	7
17	An Improved Canny Edge Detection Algorithm Based on Type-2 Fuzzy Sets. Procedia Technology, 2012, 4, 820-824.	1.1	103