

Bernd Schulze

List of Publications by Year in descending order

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docs citations

26
times ranked

72
citing authors

#	ARTICLE	IF	CITATIONS
1	The Orbit Rigidity Matrix of a Symmetric Framework. <i>Discrete and Computational Geometry</i> , 2011, 46, 561-598.	0.6	29
2	Symmetry as a Sufficient Condition for a Finite Flex. <i>SIAM Journal on Discrete Mathematics</i> , 2010, 24, 1291-1312.	0.8	28
3	Symmetric Versions of Laman's Theorem. <i>Discrete and Computational Geometry</i> , 2010, 44, 946-972.	0.6	24
4	How does symmetry impact the flexibility of proteins?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20120041.	3.4	23
5	Finite motions from periodic frameworks with added symmetry. <i>International Journal of Solids and Structures</i> , 2011, 48, 1711-1729.	2.7	19
6	Infinitesimal Rigidity of Symmetric Bar-Joint Frameworks. <i>SIAM Journal on Discrete Mathematics</i> , 2015, 29, 1259-1286.	0.8	19
7	Maxwell's Laman counts for bar-joint frameworks in normed spaces. <i>Linear Algebra and Its Applications</i> , 2015, 481, 313-329.	0.9	12
8	Symmetric Laman Theorems for the Groups \mathcal{C}_2 and \mathcal{C}_s . <i>Electronic Journal of Combinatorics</i> , 2010, 17, .	0.4	12
9	When is a symmetric body-hinge structure isostatic?. <i>International Journal of Solids and Structures</i> , 2014, 51, 2157-2166.	2.7	10
10	Coning, Symmetry and Spherical Frameworks. <i>Discrete and Computational Geometry</i> , 2012, 48, 622-657.	0.6	9
11	Point-hyperplane frameworks, slider joints, and rigidity preserving transformations. <i>Journal of Combinatorial Theory Series B</i> , 2019, 135, 44-74.	1.0	8
12	Symmetry-forced rigidity of frameworks on surfaces. <i>Geometriae Dedicata</i> , 2016, 182, 163-201.	0.3	7
13	Linking rigid bodies symmetrically. <i>European Journal of Combinatorics</i> , 2014, 42, 145-166.	0.8	6
14	Rigidity through a Projective Lens. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11946.	2.5	5
15	Mobility of symmetric block-and-hole polyhedra. <i>International Journal of Solids and Structures</i> , 2018, 150, 40-51.	2.7	4
16	On the Symmetric Molecular Conjectures. <i>Mechanisms and Machine Science</i> , 2014, , 175-184.	0.5	4
17	Symmetry Adapted Assur Decompositions. <i>Symmetry</i> , 2014, 6, 516-550.	2.2	3
18	Persistent Multi-robot Formations with Redundancy. <i>Springer Proceedings in Advanced Robotics</i> , 2018, , 133-146.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Global rigidity of periodic graphs under fixed-lattice representations. Journal of Combinatorial Theory Series B, 2021, 146, 176-218.	1.0	3
20	Rigidity of Frameworks on Expanding Spheres. SIAM Journal on Discrete Mathematics, 2018, 32, 2591-2611.	0.8	2
21	Pairing Symmetries for Euclidean and Spherical Frameworks. Discrete and Computational Geometry, 2020, 64, 483-518.	0.6	2
22	Protein Flexibility of Dimers: Do Symmetric Motions Play a Role in Allosteric Interactions?. , 2011, , .		1
23	Mobility of a class of perforated polyhedra. International Journal of Solids and Structures, 2016, 85-86, 105-113.	2.7	1
24	String-Node Nets and Meshes. Discrete and Computational Geometry, 2018, 59, 31-58.	0.6	1
25	States of self-stress in symmetric frameworks and applications. International Journal of Solids and Structures, 2022, 234-235, 111238.	2.7	1
26	Sufficient Conditions for the Global Rigidity of Periodic Graphs. Discrete and Computational Geometry, 2022, 67, 1-16.	0.6	0