# Bernd Schulze

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 26 papers | 236 citations | 1040056 9 h-index | 996975 15 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 72 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | States of self-stress in symmetric frameworks and applications. International Journal of Solids and Structures, 2022, 234-235, 111238. | 2.7 | 1 |
| 2 | Sufficient Conditions for the Global Rigidity of Periodic Graphs. Discrete and Computational Geometry, 2022, 67, 1-16. | 0.6 | 0 |
| 3 | Global rigidity of periodic graphs under fixed-lattice representations. Journal of Combinatorial Theory Series B, 2021, 146, 176-218. | 1.0 | 3 |
| 4 | Rigidity through a Projective Lens. Applied Sciences (Switzerland), 2021, 11, 11946. | 2.5 | 5 |
| 5 | Pairing Symmetries for Euclidean and Spherical Frameworks. Discrete and Computational Geometry, 2020, 64, 483-518. | 0.6 | 2 |
| 6 | Point-hyperplane frameworks, slider joints, and rigidity preserving transformations. Journal of Combinatorial Theory Series B, 2019, 135, 44-74. | 1.0 | 8 |
| 7 | Persistent Multi-robot Formations with Redundancy. Springer Proceedings in Advanced Robotics, 2018, , 133-146. | 1.3 | 3 |
| 8 | String-Node Nets and Meshes. Discrete and Computational Geometry, 2018, 59, 31-58. | 0.6 | 1 |
| 9 | Rigidity of Frameworks on Expanding Spheres. SIAM Journal on Discrete Mathematics, 2018, 32, 2591-2611. | 0.8 | 2 |
| 10 | Mobility of symmetric block-and-hole polyhedra. International Journal of Solids and Structures, 2018, 150, 40-51. | 2.7 | 4 |
| 11 | Symmetry-forced rigidity of frameworks on surfaces. Geometriae Dedicata, 2016, 182, 163-201. | 0.3 | 7 |
| 12 | Mobility of a class of perforated polyhedra. International Journal of Solids and Structures, 2016, 85-86, 105-113. | 2.7 | 1 |
| 13 | Infinitesimal Rigidity of Symmetric Bar-Joint Frameworks. SIAM Journal on Discrete Mathematics, 2015, 29, 1259-1286. | 0.8 | 19 |
| 14 | Maxwellâ€"Laman counts for bar-joint frameworks in normed spaces. Linear Algebra and Its Applications, 2015, 481, 313-329. | 0.9 | 12 |
| 15 | Symmetry Adapted Assur Decompositions. Symmetry, 2014, 6, 516-550. | 2.2 | 3 |
| 16 | When is a symmetric body-hinge structure isostatic?. International Journal of Solids and Structures, 2014, 51, 2157-2166. | 2.7 | 10 |
| 17 | How does symmetry impact the flexibility of proteins?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20120041. | 3.4 | 23 |
| 18 | Linking rigid bodies symmetrically. European Journal of Combinatorics, 2014, 42, 145-166. | 0.8 | 6 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | On the Symmetric Molecular Conjectures. Mechanisms and Machine Science, 2014, , 175-184. | 0.5 | 4 |
| 20 | Coning, Symmetry and Spherical Frameworks. Discrete and Computational Geometry, 2012, 48, 622-657. | 0.6 | 9 |
| 21 | The Orbit Rigidity Matrix of a Symmetric Framework. Discrete and Computational Geometry, 2011, 46, 561-598. | 0.6 | 29 |
| 22 | Finite motions from periodic frameworks with added symmetry. International Journal of Solids and Structures, 2011, 48, 1711-1729. | 2.7 | 19 |
| 23 | Protein Flexibility of Dimers: Do Symmetric Motions Play a Role in Allosteric Interactions?. , 2011, , . |  | 1 |
| 24 | Symmetric Versions of Laman's Theorem. Discrete and Computational Geometry, 2010, 44, 946-972. | 0.6 | 24 |
| 25 | Symmetry as a Sufficient Condition for a Finite Flex. SIAM Journal on Discrete Mathematics, 2010, 24, 1291-1312. | 0.8 | 28 |
| 26 | Symmetric Laman Theorems for the Groups $\mathcal{C}_2$ and $\mathcal{C}_s$. Electronic Journal of Combinatorics, 2010, 17, . | 0.4 | 12 |