

Johannes Hofer

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

583
citations

933447

10
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

503
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic photovoltaic building envelopes for adaptive energy and comfort management. Nature Energy, 2019, 4, 671-682.	39.5	63
2	High-resolution, parametric BIPV and electrical systems modeling and design. Applied Energy, 2019, 238, 164-179.	10.1	51
3	Performative design environment for kinetic photovoltaic architecture. Automation in Construction, 2018, 93, 339-347.	9.8	25
4	Optimising building net energy demand with dynamic BIPV shading. Applied Energy, 2017, 202, 726-735.	10.1	118
5	Coupling energy systems with lightweight structures for a net plus energy building. Applied Energy, 2017, 189, 310-326.	10.1	45
6	Sensitivity of Building Properties and Use Types for the Application of Adaptive Photovoltaic Shading Systems. Energy Procedia, 2017, 122, 139-144.	1.8	15
7	Hybrid AC/DC building microgrid for solar PV and battery storage integration. , 2017, , .		38
8	NEST HiLo: Investigating lightweight construction and adaptive energy systems. Journal of Building Engineering, 2017, 12, 332-341.	3.4	29
9	SoRo-Track: A two-axis soft robotic platform for solar tracking and building-integrated photovoltaic applications. , 2016, , .		9
10	Parametric analysis and systems design of dynamic photovoltaic shading modules. Energy Science and Engineering, 2016, 4, 134-152.	4.0	53
11	Methods for modelling and analysis of bendable photovoltaic modules on irregularly curved surfaces. International Journal of Energy and Environmental Engineering, 2016, 7, 261-271.	2.5	32
12	The Adaptive Solar Facade: From concept to prototypes. Frontiers of Architectural Research, 2016, 5, 143-156.	2.8	102