

# Xavier Roboam

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3985639/publications.pdf>

Version: 2024-02-01

9  
papers

317  
citations

1684188

5  
h-index

1720034

7  
g-index

9  
all docs

9  
docs citations

9  
times ranked

264  
citing authors

| # | ARTICLE   | IF  | CITATIONS |
|---|---|-----|-----------|
| 1 | More Electricity in the Air: Toward Optimized Electrical Networks Embedded in More-Electrical Aircraft. IEEE Industrial Electronics Magazine, 2012, 6, 6-17.  | 2.6 | 183       |
| 2 | New trends and challenges of electrical networks embedded in &#x201C;more electrical aircraft&#x201D;. , 2011, , .  |     | 88        |
| 3 | Optimal design of the Integrated Modular Power Electronics Cabinet. Aerospace Science and Technology, 2016, 48, 37-52.  | 4.8 | 13        |
| 4 | Load allocation problem for optimal design of aircraft electrical power system. International Journal of Applied Electromagnetics and Mechanics, 2013, 43, 37-49.   | 0.6 | 11        |
| 5 | Scaling of wind energy conversion system for time-accelerated and size-scaled experiments. Mathematics and Computers in Simulation, 2019, 158, 65-78.   | 4.4 | 8         |
| 6 | Multidisciplinary Design Optimization of the Actuation System of a Hybrid Electric Aircraft Powertrain. Electronics (Switzerland), 2021, 10, 1297.  | 3.1 | 7         |
| 7 | Techno-economical optimization of wind power production including lithium and/or hydrogen sizing in the context of the day ahead market in island grids. Mathematics and Computers in Simulation, 2019, 158, 162-178. | 4.4 | 4         |
| 8 | Reduced Scale PHIL Emulation Concepts Applied to Power Conversion Systems With Battery Storage. IEEE Transactions on Industrial Electronics, 2021, 68, 3973-3981.   | 7.9 | 3         |
| 9 | Matrix Approach Based on Quadripole for Quality Analysis in Aircraft Electrical Power Distribution System. Lecture Notes in Electrical Engineering, 2020, , 229-244.  | 0.4 | 0         |