

# Felix CÃ¼ppers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3333988/publications.pdf>

Version: 2024-02-01

9  
papers

438  
citations

1307594

7  
h-index

1720034

7  
g-index

9  
all docs

9  
docs citations

9  
times ranked

478  
citing authors

| # | ARTICLE   | IF   | CITATIONS |
|---|---|------|-----------|
| 1 | Improved Switching Stability and the Effect of an Internal Series Resistor in HfO <sub>2</sub> /TiO <sub>x</sub> Bilayer ReRAM Cells. IEEE Transactions on Electron Devices, 2018, 65, 3229-3236.   | 3.0  | 95        |
| 2 | Exploiting the switching dynamics of HfO <sub>2</sub> -based ReRAM devices for reliable analog memristive behavior. APL Materials, 2019, 7, .   | 5.1  | 94        |
| 3 | Variability-Aware Modeling of Filamentary Oxide-Based Bipolar Resistive Switching Cells Using SPICE Level Compact Models. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 4618-4630.   | 5.4  | 72        |
| 4 | Understanding the Coexistence of Two Bipolar Resistive Switching Modes with Opposite Polarity in Pt/TiO <sub>2</sub> /Ti/Pt Nanosized ReRAM Devices. ACS Applied Materials & Interfaces, 2018, 10, 29766-29778.                                     | 8.0  | 71        |
| 5 | Design of defect-chemical properties and device performance in memristive systems. Science Advances, 2020, 6, eaaz9079.   | 10.3 | 65        |
| 6 | Utilizing the Switching Stochasticity of HfO <sub>2</sub> /TiO <sub>x</sub> -Based ReRAM Devices and the Concept of Multiple Device Synapses for the Classification of Overlapping and Noisy Patterns. Frontiers in Neuroscience, 2021, 15, 661856. | 2.8  | 26        |
| 7 | Intrinsic RESET Speed Limit of Valence Change Memories. ACS Applied Electronic Materials, 2021, 3, 5563-5572.   | 4.3  | 15        |
| 8 | Reliability Aspects of Memristive Devices for Computation-in-Memory Applications. , 2021, , .   |      | 0         |
| 9 | NEUROTEC I: Neuro-inspired Artificial Intelligence Technologies for the Electronics of the Future. , 2022, , .  |      | 0         |