

# Niklas Romming

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10883023/publications.pdf>

Version: 2024-02-01

7  
papers

2,301  
citations

1307594

7  
h-index

1720034

7  
g-index

7  
all docs

7  
docs citations

7  
times ranked

2414  
citing authors

| # | ARTICLE  | IF   | CITATIONS |
|---|--|------|-----------|
| 1 | Writing and Deleting Single Magnetic Skyrmions. Science, 2013, 341, 636-639.   | 12.6 | 1,217     |
| 2 | Field-Dependent Size and Shape of Single Magnetic Skyrmions. Physical Review Letters, 2015, 114, 177203.   | 7.8  | 423       |
| 3 | Electric-field-driven switching of individual magnetic skyrmions. Nature Nanotechnology, 2017, 12, 123-126.  | 31.5 | 297       |
| 4 | Electrical detection of magnetic skyrmions by tunnelling non-collinear magnetoresistance. Nature Nanotechnology, 2015, 10, 1039-1042.  | 31.5 | 179       |
| 5 | Control of the millisecond spin lifetime of an electrically probed atom. Nature Physics, 2017, 13, 403-407.  | 16.7 | 97        |
| 6 | Competition of Dzyaloshinskii-Moriya and Higher-Order Exchange Interactions in $\text{Rh}/\text{Fe}$ Atomic Bilayers on Ir(111). Physical Review Letters, 2018, 120, 207201. | 7.8  | 44        |
| 7 | Nanoscale magnetic skyrmions and target states in confined geometries. Physical Review B, 2019, 99, .  | 3.2  | 44        |