

# Matthias Nau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7639305/publications.pdf>

Version: 2024-02-01

12  
papers

515  
citations

1040056

9  
h-index

1474206

9  
g-index

20  
all docs

20  
docs citations

20  
times ranked

474  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Hexadirectional coding of visual space in human entorhinal cortex. <i>Nature Neuroscience</i> , 2018, 21, 188-190.                      | 14.8 | 148       |
| 2  | A massive 7T fMRI dataset to bridge cognitive neuroscience and artificial intelligence. <i>Nature Neuroscience</i> , 2022, 25, 116-126. | 14.8 | 129       |
| 3  | How the Brain's Navigation System Shapes Our Visual Experience. <i>Trends in Cognitive Sciences</i> , 2018, 22, 810-825.                | 7.8  | 64        |
| 4  | Deforming the metric of cognitive maps distorts memory. <i>Nature Human Behaviour</i> , 2020, 4, 177-188.                               | 12.0 | 45        |
| 5  | Behavior-dependent directional tuning in the human visual-navigation network. <i>Nature Communications</i> , 2020, 11, 3247.            | 12.8 | 31        |
| 6  | Real-motion signals in human early visual cortex. <i>NeuroImage</i> , 2018, 175, 379-387.   | 4.2  | 22        |
| 7  | Magnetic resonance-based eye tracking using deep neural networks. <i>Nature Neuroscience</i> , 2021, 24, 1772-1779.                     | 14.8 | 21        |
| 8  | Interpreting wide-band neural activity using convolutional neural networks. <i>ELife</i> , 2021, 10, .                                  | 6.0  | 17        |
| 9  | Centering inclusivity in the design of online conferences – An OHBM's Open Science perspective. <i>GigaScience</i> , 2021, 10, .        | 6.4  | 14        |
| 10 | Development of entorhinal grid-cell-like representations of visual space. <i>Journal of Vision</i> , 2019, 19, 119b.                    | 0.3  | 0         |
| 11 | A voxel-wise encoding model for VR-navigation maps view-direction tuning at 7T-fMRI. <i>Journal of Vision</i> , 2019, 19, 162b.         | 0.3  | 0         |
| 12 | DeepMReye: MR-based eye tracking without eye tracking. <i>Journal of Vision</i> , 2020, 20, 1014.                                       | 0.3  | 0         |