

# Roger Wood

## List of Publications by Year in descending order

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11  
papers

507  
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1478505

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times ranked

276  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The Feasibility of Magnetic Recording at 10 Terabits Per Square Inch on Conventional Media. IEEE Transactions on Magnetics, 2009, 45, 917-923.                       | 2.1 | 427       |
| 2  | Coding and Detection for Rectangular-Grain TDMR Models. IEEE Transactions on Magnetics, 2011, 47, 1705-1711.   | 2.1 | 18        |
| 3  | Data Recovery for Multilayer Magnetic Recording. IEEE Transactions on Magnetics, 2019, 55, 1-16.   | 2.1 | 14        |
| 4  | Deep Neural Network-Based Detection and Partial Response Equalization for Multilayer Magnetic Recording. IEEE Transactions on Magnetics, 2021, 57, 1-12.             | 2.1 | 14        |
| 5  | ISI/ITI Turbo Equalizer for TDMR Using Trained Local Area Influence Probabilistic Model. IEEE Transactions on Magnetics, 2019, 55, 1-15.                             | 2.1 | 13        |
| 6  | A perspective on deep neural network-based detection for multilayer magnetic recording. Applied Physics Letters, 2021, 119, .  | 3.3 | 9         |
| 7  | Maximum Likelihood Detection for 3-D-MAMR. IEEE Transactions on Magnetics, 2019, 55, 1-9.  | 2.1 | 5         |
| 8  | Shingled Magnetic Recording (SMR) and Two-Dimensional Magnetic Recording (TDMR). Journal of Magnetism and Magnetic Materials, 2022, 561, 169670.                     | 2.3 | 5         |
| 9  | Deep Neural Network-based Detection and Partial Response Equalization for Multilayer Magnetic Recording. , 2020, , .   |     | 1         |
| 10 | Fields From a Magnetized Conical Shell and Quantitative Magnetic Force Microscopy. IEEE Transactions on Magnetics, 2022, 58, 1-9.                                    | 2.1 | 1         |
| 11 | Interpolation of Noisy Measurements in a Coarse Grid: Creating Waveforms for Intermediate Points on $\infty$ -Curves. IEEE Transactions on Magnetics, 2017, 53, 1-4. | 2.1 | 0         |