

# Mehmet Alper Kutay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8706290/publications.pdf>

Version: 2024-02-01

19  
papers

859  
citations

840776

11  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

503  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Optical information processing: A historical overview. , 2021, , 103248.  |     | 4         |
| 2  | Fast Algorithms for Digital Computation of Linear Canonical Transforms. Springer Series in Optical Sciences, 2016, , 293-327.   | 0.7 | 2         |
| 3  | Linear algebraic theory of partial coherence: continuous fields and measures of partial coherence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 2115. | 1.5 | 5         |
| 4  | Digital Computation of Linear Canonical Transforms. IEEE Transactions on Signal Processing, 2008, 56, 2383-2394.  | 5.3 | 138       |
| 5  | Efficient computation of quadratic-phase integrals in optics. Optics Letters, 2006, 31, 35.   | 3.3 | 49        |
| 6  | ROC analysis of ultrasound tissue characterization classifiers for breast cancer diagnosis. IEEE Transactions on Medical Imaging, 2003, 22, 170-177.  | 8.9 | 67        |
| 7  | Linear algebraic theory of partial coherence: discrete fields and measures of partial coherence. , 2003, 4829, 1073.  |     | 0         |
| 8  | The Fractional Fourier Transform and Its Applications to Image Representation and Beamforming. , 2003, , .  |     | 0         |
| 9  | Linear algebraic theory of partial coherence: discrete fields and measures of partial coherence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 1563.   | 1.5 | 39        |
| 10 | Optimization of orders in multichannel fractional Fourier-domain filtering circuits and its application to the synthesis of mutual-intensity distributions. Applied Optics, 2002, 41, 4078.           | 2.1 | 4         |
| 11 | The Fractional Fourier Transform and Harmonic Oscillation. Nonlinear Dynamics, 2002, 29, 157-172.   | 5.2 | 14        |
| 12 | Improved acoustic signals discrimination using fractional Fourier transform based phase-space representations. Optics Communications, 2001, 190, 95-101.  | 2.1 | 9         |
| 13 | Image representation and compression with the fractional Fourier transform. Optics Communications, 2001, 197, 275-278.  | 2.1 | 32        |
| 14 | The fractional fourier transform. , 2001, , .   |     | 232       |
| 15 | The discrete harmonic oscillator, Harper's equation, and the discrete fractional Fourier transform. Journal of Physics A, 2000, 33, 2209-2222.  | 1.6 | 59        |
| 16 | Introduction to the Fractional Fourier Transform and Its Applications. Advances in Imaging and Electron Physics, 1999, 106, 239-291.  | 0.2 | 98        |
| 17 | Nonseparable two-dimensional fractional Fourier transform. Applied Optics, 1998, 37, 5444.  | 2.1 | 28        |
| 18 | Space-â€bandwidth-efficient realizations of linear systems. Optics Letters, 1998, 23, 1069.   | 3.3 | 19        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Optimal image restoration with the fractional Fourier transform. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 825. | 1.5 | 57        |