

# Mehmet Alper Kutay

## List of Publications by Year in descending order

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

#	ARTICLE	IF	CITATIONS
19	The Fractional Fourier Transform and Its Applications to Image Representation and Beamforming. , 2003, , .		0