Graham V Weinberg

List of Publications by Year
in descending order

48	647	687363 13	713466 21
papers	citations	h-index	g-index

49	49	49	203
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing Pareto fit to high-resolution high-grazing-angle sea clutter. Electronics Letters, 2011, 47, 516.	1.0	100
2	Constant false alarm rate detectors for pareto clutter models. IET Radar, Sonar and Navigation, 2013, 7, 153-163.	1.8	65
3	General transformation approach for constant false alarm rate detector development. , 2014, 30, 15-26.		30
4	On the Construction of CFAR Decision Rules via Transformations. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1140-1146.	6.3	27
5	Examination of classical detection schemes for targets in Pareto distributed clutter: do classical CFAR detectors exist, as in the Gaussian case?. Multidimensional Systems and Signal Processing, 2015, 26, 599-617.	2.6	25
6	Constant false alarm rate detection in Pareto distributed clutter: further results and optimality issues. Contemporary Engineering Sciences, 0, 7, 231-261.	0.2	24
7	Management of interference in Pareto CFAR processes using adaptive test cell analysis. Signal Processing, 2014, 104, 264-273.	3.7	23
8	Coherent multilook detection for targets in Pareto distributed clutter. Electronics Letters, 2011, 47, 822-824.	1.0	22
9	An Invariant Sliding Window Detection Process. IEEE Signal Processing Letters, 2017, 24, 1093-1097.	3.6	21
10	Development of non-coherent CFAR detection processes in Weibull background. , 2018, 75, 96-106.		20
11	Estimation of Pareto clutter parameters using order statistics and linear regression. Electronics Letters, 2013, 49, 845-846.	1.0	18
12	Enhancing Goldstein's Log-t Detector in Pareto-Distributed Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1035-1044.	4.7	17
13	Constant false alarm rate detection in Pareto Type II clutter. , 2017, 68, 192-198.		16
14	Validity of whitening-matched filter approximation to the Pareto coherent detector. IET Signal Processing, 2012, 6, 546.	1.5	15
15	Noncoherent Radar Detection in Correlated Pareto Distributed Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2628-2636.	4.7	15
16	Development of an improved minimum order statistic detection process for Pareto distributed clutter. IET Radar, Sonar and Navigation, 2015, 9, 19-30.	1.8	14
17	Optimal Rayleigh Approximation of the K-Distribution via the Kullbackâ€“Leibler Divergence. IEEE Signal Processing Letters, 2016, 23, 1067-1070.	3.6	14
18	Fractional-order formulation of power-law and exponential distributions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2478-2481.	2.1	13

#	Article	IF	Citations
19	Optimal Predictive Inference and Noncoherent CFAR Detectors. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2603-2615.	4.7	13
20	Assessing detector performance, with application to Pareto coherent multilook radar detection. IET Radar, Sonar and Navigation, 2013, 7, 401-412.	1.8	12
21	Bayesian framework for detector development in Pareto distributed clutter. IET Radar, Sonar and Navigation, 2019, 13, 1548-1555.	1.8	12
22	Optimised binary integration with order statistic CFAR in Pareto distributed clutter. , 2015, 42, 50-60.		11
23	Interference control in sliding window detection processes using a Bayesian approach. , 2020, 99, 102658.		10
24	Coherent CFAR detection in compound Gaussian clutter with inverse gamma texture. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	9
25	Bit error rate approximations using Poisson and negative binomial sampling distributions. Electronics Letters, 2008, 44, 217.	1.0	8
26	Geometric mean switching constant false alarm rate detector. , 2017, 69, 1-10.		7
27	Analysis of classical incoherent integrator radar detectors in compound Gaussian clutter. Electronics Letters, 2013, 49, 213-215.	1.0	6
28	Kullbackâ€“Leibler divergence and the Paretoâ€“Exponential approximation. SpringerPlus, 2016, 5, 604.	1.2	6
29	Minimum-Based Sliding Window Detectors in Correlated Pareto Distributed Clutter. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1958-1962.	3.1	6
30	Trimmed geometric mean order statistic CFAR detector for Pareto distributed clutter. Signal, Image and Video Processing, 2018, 12, 651-657.	2.7	6
31	Formulation of a generalised switching CFAR with application to X-band maritime surveillance radar. SpringerPlus, 2015, 4, 574.	1.2	5
32	Asymptotic Performance of the Geometric Mean Detector in Pareto Distributed Clutter. IEEE Signal Processing Letters, 2016, 23, 1538-1542.	3.6	5
33	Error bounds on the Rayleigh approximation of the K â€distribution. IET Signal Processing, 2016, 10, 284-290.	1.5	4
34	The constant false alarm rate property in transformed noncoherent detection processes. , 2016, 51, 1-9.		4
35	Suboptimal Coherent Radar Detection in a -Distributed Clutter Environment. ISRN Signal Processing, 2012, 2012, 1-8.	2.9	4
36	Performance Analysis of Pareto CFAR Detectors. , 2017, , .		3

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37	BURR DISTRIBUTION FOR X-BAND MARITIME SURVEILLANCE RADAR CLUTTER. Progress in Electromagnetics Research B, 2018, 81, 183-201.	1.0	3
38	Noncoherent Detector Threshold Determination in Correlated Pareto Distributed Clutter. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 372-376.	3.1	3
39	QUANTIFICATION OF COMBAT TEAM SURVIVABILITY WITH HIGH POWER RF DIRECTED ENERGY WEAPONS. Progress in Electromagnetics Research M, 2021, 102, 1-11.	0.9	3
40	Polynomial autocorrelation control for memoryless nonlinear transform. Electronics Letters, 2011, 47, 565.	1.0	2
41	Analysis of a Pareto Mixture Distribution for Maritime Surveillance Radar. Journal of Electrical and Computer Engineering, 2012, 2012, 1-6.	0.9	2
42	A hybrid method for generating correlated Gamma sequences for sea-clutter simulation. , 2013, , .		2
43	An enhanced p -norm energy detector for coherent multilook detection in X-band maritime surveillance radar. , 2016, 50, 123-134.		2
44	A Weberâ€“Haykin detector in correlated Pareto distributed clutter. , 2019, 84, 107-113.		2
45	A Bayesian-Based CFAR Detector for Pareto Type II Clutter. , 2018, , .		1
46	Erratum for â€˜Coherent multilook detection for targets in Pareto distributed clutterâ€™. Electronics Letters, 2011, 47, 1203.	1.0	0
47	Nonlinear Transformations and Radar Detector Design. , 0, , .		0
48	AN INVESTIGATION OF THE GENERALISED RANGE-BASED DETECTOR IN PARETO DISTRIBUTED CLUTTER. Progress in Electromagnetics Research C, 2018, 85, 1-8.	0.9	0