

Graham V Weinberg

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	QUANTIFICATION OF COMBAT TEAM SURVIVABILITY WITH HIGH POWER RF DIRECTED ENERGY WEAPONS. Progress in Electromagnetics Research M, 2021, 102, 1-11.	0.9	3
2	Optimal Predictive Inference and Noncoherent CFAR Detectors. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 2603-2615.	4.7	13
3	Interference control in sliding window detection processes using a Bayesian approach. , 2020, 99, 102658.		10
4	Noncoherent Detector Threshold Determination in Correlated Pareto Distributed Clutter. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 372-376.	3.1	3
5	A Weberâ€“Haykin detector in correlated Pareto distributed clutter. , 2019, 84, 107-113.		2
6	Bayesian framework for detector development in Pareto distributed clutter. IET Radar, Sonar and Navigation, 2019, 13, 1548-1555.	1.8	12
7	Development of non-coherent CFAR detection processes in Weibull background. , 2018, 75, 96-106.		20
8	Trimmed geometric mean order statistic CFAR detector for Pareto distributed clutter. Signal, Image and Video Processing, 2018, 12, 651-657.	2.7	6
9	BURR DISTRIBUTION FOR X-BAND MARITIME SURVEILLANCE RADAR CLUTTER. Progress in Electromagnetics Research B, 2018, 81, 183-201.	1.0	3
10	A Bayesian-Based CFAR Detector for Pareto Type II Clutter. , 2018, , .		1
11	AN INVESTIGATION OF THE GENERALISED RANGE-BASED DETECTOR IN PARETO DISTRIBUTED CLUTTER. Progress in Electromagnetics Research C, 2018, 85, 1-8.	0.9	0
12	Enhancing Goldstein's Log-Likelihood Detector in Pareto-Distributed Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 1035-1044.	4.7	17
13	An Invariant Sliding Window Detection Process. IEEE Signal Processing Letters, 2017, 24, 1093-1097.	3.6	21
14	Noncoherent Radar Detection in Correlated Pareto Distributed Clutter. IEEE Transactions on Aerospace and Electronic Systems, 2017, 53, 2628-2636.	4.7	15
15	Geometric mean switching constant false alarm rate detector. , 2017, 69, 1-10.		7
16	Constant false alarm rate detection in Pareto Type II clutter. , 2017, 68, 192-198.		16
17	On the Construction of CFAR Decision Rules via Transformations. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 1140-1146.	6.3	27
18	Minimum-Based Sliding Window Detectors in Correlated Pareto Distributed Clutter. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1958-1962.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Pareto CFAR Detectors. , 2017, , .		3
20	Kullbackâ€“Leibler divergence and the Paretoâ€“Exponential approximation. SpringerPlus, 2016, 5, 604.	1.2	6
21	Asymptotic Performance of the Geometric Mean Detector in Pareto Distributed Clutter. IEEE Signal Processing Letters, 2016, 23, 1538-1542.	3.6	5
22	Optimal Rayleigh Approximation of the K-Distribution via the Kullbackâ€“Leibler Divergence. IEEE Signal Processing Letters, 2016, 23, 1067-1070.	3.6	14
23	Error bounds on the Rayleigh approximation of the K -distribution. IET Signal Processing, 2016, 10, 284-290.	1.5	4
24	An enhanced p -norm energy detector for coherent multilook detection in X-band maritime surveillance radar. , 2016, 50, 123-134.		2
25	The constant false alarm rate property in transformed noncoherent detection processes. , 2016, 51, 1-9.		4
26	Formulation of a generalised switching CFAR with application to X-band maritime surveillance radar. SpringerPlus, 2015, 4, 574.	1.2	5
27	Optimised binary integration with order statistic CFAR in Pareto distributed clutter. , 2015, 42, 50-60.		11
28	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
29	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
30	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
31	General transformation approach for constant false alarm rate detector development. , 2014, 30, 15-26.		30
32	Management of interference in Pareto CFAR processes using adaptive test cell analysis. Signal Processing, 2014, 104, 264-273.	3.7	23
33	Coherent CFAR detection in compound Gaussian clutter with inverse gamma texture. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	9
34	A hybrid method for generating correlated Gamma sequences for sea-clutter simulation. , 2013, , .		2
35	Assessing detector performance, with application to Pareto coherent multilook radar detection. IET Radar, Sonar and Navigation, 2013, 7, 401-412.	1.8	12
36	Constant false alarm rate detectors for pareto clutter models. IET Radar, Sonar and Navigation, 2013, 7, 153-163.	1.8	65

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37	Estimation of Pareto clutter parameters using order statistics and linear regression. Electronics Letters, 2013, 49, 845-846.	1.0	18
38	Analysis of classical incoherent integrator radar detectors in compound Gaussian clutter. Electronics Letters, 2013, 49, 213-215.	1.0	6
39	Analysis of a Pareto Mixture Distribution for Maritime Surveillance Radar. Journal of Electrical and Computer Engineering, 2012, 2012, 1-6.	0.9	2
40	Validity of whitening-matched filter approximation to the Pareto coherent detector. IET Signal Processing, 2012, 6, 546.	1.5	15
41	Suboptimal Coherent Radar Detection in a α -Distributed Clutter Environment. ISRN Signal Processing, 2012, 2012, 1-8.	2.9	4
42	Assessing Pareto fit to high-resolution high-grazing-angle sea clutter. Electronics Letters, 2011, 47, 516.	1.0	100
43	Coherent multilook detection for targets in Pareto distributed clutter. Electronics Letters, 2011, 47, 822-824.	1.0	22
44	Polynomial autocorrelation control for memoryless nonlinear transform. Electronics Letters, 2011, 47, 565.	1.0	2
45	Erratum for "Coherent multilook detection for targets in Pareto distributed clutter". Electronics Letters, 2011, 47, 1203.	1.0	0
46	Bit error rate approximations using Poisson and negative binomial sampling distributions. Electronics Letters, 2008, 44, 217.	1.0	8
47	Nonlinear Transformations and Radar Detector Design. , 0, , .		0
48	Constant false alarm rate detection in Pareto distributed clutter: further results and optimality issues. Contemporary Engineering Sciences, 0, 7, 231-261.	0.2	24