

# Benjamin Friedlander

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/63740/publications.pdf>

Version: 2024-02-01

30  
papers

908  
citations

840776

11  
h-index

794594

19  
g-index

31  
all docs

31  
docs citations

31  
times ranked

672  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eigenstructure methods for direction finding with sensor gain and phase uncertainties. <i>Circuits, Systems, and Signal Processing</i> , 1990, 9, 271-300.	2.0	260
2	The root-MUSIC algorithm for direction finding with interpolated arrays. <i>Signal Processing</i> , 1993, 30, 15-29.	3.7	217
3	Localization of Signals in the Near-Field of an Antenna Array. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 3885-3893.	5.3	72
4	On the Relationship Between MIMO and SIMO Radars. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 394-398.	5.3	71
5	Antenna Array Manifolds for High-Resolution Direction Finding. <i>IEEE Transactions on Signal Processing</i> , 2018, 66, 923-932.	5.3	54
6	Compressed sensing for MIMO radar - algorithms and performance. , 2009, , .		52
7	Asymptotic performance analysis of blind signal copy using fourth-order cumulants. <i>International Journal of Adaptive Control and Signal Processing</i> , 1996, 10, 239-265.	4.1	26
8	Polarization Sensitivity of Antenna Arrays. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 234-244.	5.3	24
9	Performance of direction-finding systems with sensor gain and phase uncertainties. <i>Circuits, Systems, and Signal Processing</i> , 1993, 12, 3-35.	2.0	22
10	An Efficient Parametric Technique for Doppler-Delay Estimation. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 3953-3963.	5.3	18
11	On High Performance MIMO Communications with Imperfect Channel Knowledge. <i>IEEE Transactions on Wireless Communications</i> , 2011, 10, 602-613.	9.2	16
12	Effects of Model Mismatch in MIMO Radar. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 2071-2076.	5.3	13
13	The Extended Manifold for Antenna Arrays. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 493-502.	5.3	10
14	Adaptive Waveform Design for a Multi-Antenna Radar System. , 2006, , .		7
15	On Data-Adaptive Waveform Design for MIMO Radar. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007, , .	0.0	7
16	Random Projections for Sparse Channel Estimation and Equalization. , 2006, , .		6
17	Partly-Filled Nonuniform Linear Arrays for DOA Estimation in Multipath Signals. , 2007, , .		4
18	Performance analysis of cumulant-based detection of non-gaussian signals. <i>International Journal of Adaptive Control and Signal Processing</i> , 1996, 10, 99-111.	4.1	3

#	ARTICLE	IF	CITATIONS
19	Steering Vector and Signal Estimation for Uncalibrated Polarization Sensitive Arrays. , 1996, 6, 37-50.		3
20	Communications through Time-Varying Subspace Channels. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	3
21	Waveform Design for MIMO Radar with Space-Time Constraints. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	3
22	Communications through time-varying subspace channels. IEEE Journal on Selected Areas in Communications, 2008, 26, 338-347.	14.0	3
23	Virtual sensors for remote sensing: Algorithms and performance. , 2008, , .		2
24	Estimating homeomorphic deformations of multi-dimensional signals - An accuracy analysis. , 2008, , .		1
25	Some theoretical results for compressed MIMO radar. , 2011, , .		1
26	Antenna Array Calibration for a General Linear Transformation of the Array Manifold. International Journal of Antennas and Propagation, 2019, 2019, 1-11.	1.2	1
27	Calibration of antenna arrays using the extended manifold. IET Radar, Sonar and Navigation, 2020, 14, 1001-1007.	1.8	1
28	Bit-Constrained Least Squares for Improved Detection. , 2006, , .		0
29	Emitter position and velocity estimation given time and frequency differences of arrival. , 2010, , .		0
30	Comments on "Localization of Near-Field Sources Based on Linear Prediction and Oblique Projection Operator". IEEE Transactions on Signal Processing, 2021, 69, 6399-6400.	5.3	0