

# Reza Arablouei

## List of Publications by Year in descending order

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62  
papers

825  
citations

567281

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62  
docs citations

62  
times ranked

646  
citing authors

#	ARTICLE	IF	CITATIONS
1	In-Situ Fish Heart-Rate Estimation and Feeding Event Detection Using an Implantable Biologger. IEEE Transactions on Mobile Computing, 2023, 22, 968-982.	5.8	1
2	Self-Localization of IoT Devices Using Noisy Anchor Positions and RSSI Measurements. Wireless Personal Communications, 2022, 124, 1623-1644.	2.7	3
3	Privacy-Preserved Distributed Learning With Zeroth-Order Optimization. IEEE Transactions on Information Forensics and Security, 2022, 17, 265-279.	6.9	3
4	Shape memory elastomers: A review of synthesis, design, advanced manufacturing, and emerging applications. Polymers for Advanced Technologies, 2022, 33, 1782-1808.	3.2	12
5	Sensor-based filament fabrication with embedded RFID microchips for 3D printing. Materials Today: Proceedings, 2021, 46, 124-130.	1.8	3
6	Design of a 3D-printable UHF RFID hybrid liquid antenna for biosensing applications. Materials Today: Proceedings, 2021, 46, 4619-4624.	1.8	4
7	In-situ classification of cattle behavior using accelerometry data. Computers and Electronics in Agriculture, 2021, 183, 106045.	7.7	33
8	Distributed Learning with Non-Smooth Objective Functions. , 2021, , .		2
9	Distributed Learning over Networks with Non-Smooth Regularizers and Feature Partitioning. , 2021, , .		2
10	Estimating Heart Rate and Detecting Feeding Events of Fish Using an Implantable Biologger. , 2020, , .		3
11	Efficient Estimation of Graph Signals With Adaptive Sampling. IEEE Transactions on Signal Processing, 2020, 68, 3808-3823.	5.3	7
12	Clustering-based Joint Channel Estimation and Signal Detection for Grant-free NOMA. , 2020, , .		8
13	Self-localization given single perturbed measurement of anchor positions and RSSI. , 2020, , .		2
14	Spectral Unmixing With Perturbed Endmembers. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 194-211.	6.3	9
15	Consensus-based Distributed Total Least-squares Estimation Using Parametric Semidefinite Programming. , 2019, , .		3
16	Pseudo-linear localization using perturbed RSSI measurements and inaccurate anchor positions. Pervasive and Mobile Computing, 2019, 52, 46-59.	3.3	4
17	Multi-radio Data Fusion for Indoor Localization using Bluetooth and WiFi. , 2019, , .		3
18	Distributed Ridge Regression with Feature Partitioning. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
19	Fusion of Multiple Multiband Images with Complementary Spatial and Spectral Resolutions. , 2018, , .		1
20	Fusing Multiple Multiband Images. Journal of Imaging, 2018, 4, 118.	3.0	10
21	Estimating Angle-of-Arrival and Time-of-Flight for Multipath Components Using WiFi Channel State Information. Sensors, 2018, 18, 1753.	3.8	27
22	Fast reconstruction algorithm for perturbed compressive sensing based on total least-squares and proximal splitting. Signal Processing, 2017, 130, 57-63.	3.7	16
23	On the asymptotic bias of the diffusion-based distributed pareto optimization. Signal Processing, 2017, 130, 337-342.	3.7	0
24	RSSI-based self-localization with perturbed anchor positions. , 2017, , .		8
25	Multi-mode tracking of a group of mobile agents. , 2017, , .		2
26	Hyperspectral Image Recovery via Hybrid Regularization. IEEE Transactions on Image Processing, 2016, 25, 5649-5663.	9.8	16
27	Privacy preserving decentralized power system state estimation with phasor measurement units. , 2016, , .		4
28	Fast and robust pushbroom hyperspectral imaging via DMD-based scanning. Proceedings of SPIE, 2016, , .	0.8	10
29	Performance Analysis of Linear-Equality-Constrained Least-Squares Estimation. IEEE Transactions on Signal Processing, 2015, 63, 3762-3769.	5.3	13
30	Selective angle measurements for a 3D-AOA instrumental variable TMA algorithm. , 2015, , .		3
31	On the mean-square performance of the constrained LMS algorithm. Signal Processing, 2015, 117, 192-197.	3.7	33
32	Recursive Total Least-Squares Algorithm Based on Inverse Power Method and Dichotomous Coordinate-Descent Iterations. IEEE Transactions on Signal Processing, 2015, 63, 1941-1949.	5.3	17
33	Model-distributed solution of regularized least-squares problem over sensor networks. , 2015, , .		4
34	Analysis of a reduced-communication diffusion LMS algorithm. Signal Processing, 2015, 117, 355-361.	3.7	40
35	Adaptive frequency estimation of three-phase power systems. Signal Processing, 2015, 109, 290-300.	3.7	20
36	Distributed Least Mean-Square Estimation With Partial Diffusion. IEEE Transactions on Signal Processing, 2014, 62, 472-484.	5.3	106

#	ARTICLE	IF	CITATIONS
37	Adaptive distributed waveform selection for target tracking by a multistatic radar system. , 2014, , .		9
38	Unbiased Recursive Least-Squares Estimation Utilizing Dichotomous Coordinate-Descent Iterations. IEEE Transactions on Signal Processing, 2014, 62, 2973-2983.	5.3	19
39	Adaptive Distributed Estimation Based on Recursive Least-Squares and Partial Diffusion. IEEE Transactions on Signal Processing, 2014, 62, 3510-3522.	5.3	79
40	Analysis of the Gradient-Descent Total Least-Squares Adaptive Filtering Algorithm. IEEE Transactions on Signal Processing, 2014, 62, 1256-1264.	5.3	72
41	Partial-diffusion recursive least-squares estimation over adaptive networks. , 2013, , .		6
42	Steady-state mean squared error and tracking performance analysis of the quasi-OBE algorithm. Signal Processing, 2013, 93, 100-108.	3.7	6
43	Modified quasi-OBE algorithm with improved numerical properties. Signal Processing, 2013, 93, 797-803.	3.7	14
44	Reduced-complexity distributed least-squares estimation over adaptive networks. , 2013, , .		5
45	Intermittently-updated affine projection algorithm. , 2013, , .		2
46	Estimating frequency of three-phase power systems via widely-linear modeling and total least-squares. , 2013, , .		8
47	Adaptive frequency estimation of three-phase power systems with noisy measurements. , 2013, , .		6
48	Diffusion-based distributed adaptive estimation utilizing gradient-descent total least-squares. , 2013, , .		16
49	Low-complexity implementation of quasi-OBE algorithm. Electronics Letters, 2012, 48, 621.	1.0	4
50	Linearly-Constrained Recursive Total Least-Squares Algorithm. IEEE Signal Processing Letters, 2012, 19, 821-824.	3.6	23
51	Affine projection algorithm with variable projection order. , 2012, , .		7
52	Set-membership recursive least-squares adaptive filtering algorithm. , 2012, , .		8
53	Adaptive decision-feedback equalization of MIMO channels using coordinate descent iterations. , , .		0
54	Linearly-constrained line-search algorithm for adaptive filtering. Electronics Letters, 2012, 48, 1208.	1.0	10

#	ARTICLE	IF	CITATIONS
55	Reduced-Complexity Constrained Recursive Least-Squares Adaptive Filtering Algorithm. IEEE Transactions on Signal Processing, 2012, 60, 6687-6692.	5.3	28
56	Low-complexity adaptive decision-feedback equalization of MIMO channels. Signal Processing, 2012, 92, 1515-1524.	3.7	11
57	Affine projection algorithm with selective projections. Signal Processing, 2012, 92, 2253-2263.	3.7	22
58	A New Uniform Theory of Diffraction Based Model for Multiple Building Diffraction in the Presence of Trees. Electromagnetics, 2011, 31, 127-146.	0.7	8
59	Modified RLS algorithm with enhanced tracking capability for MIMO channel estimation. Electronics Letters, 2011, 47, 1101.	1.0	13
60	An improved model based on UTD for multiple diffractions by buildings. , 2002, , .		1
61	A New Propagation Model for Cellular Mobile Radio Communications in Urban Environments Including Tree Effects. Lecture Notes in Computer Science, 2002, , 580-587.	1.3	0
62	A new UTD-based model for multiple diffractions by buildings. , 0, , .		9