

Reza Arablouei

List of Publications by Year in descending order

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62
papers

825
citations

566801

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26
g-index

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all docs

62
docs citations

62
times ranked

646
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Least Mean-Square Estimation With Partial Diffusion. IEEE Transactions on Signal Processing, 2014, 62, 472-484.	3.2	106
2	Adaptive Distributed Estimation Based on Recursive Least-Squares and Partial Diffusion. IEEE Transactions on Signal Processing, 2014, 62, 3510-3522.	3.2	79
3	Analysis of the Gradient-Descent Total Least-Squares Adaptive Filtering Algorithm. IEEE Transactions on Signal Processing, 2014, 62, 1256-1264.	3.2	72
4	Analysis of a reduced-communication diffusion LMS algorithm. Signal Processing, 2015, 117, 355-361.	2.1	40
5	On the mean-square performance of the constrained LMS algorithm. Signal Processing, 2015, 117, 192-197.	2.1	33
6	In-situ classification of cattle behavior using accelerometry data. Computers and Electronics in Agriculture, 2021, 183, 106045.	3.7	33
7	Reduced-Complexity Constrained Recursive Least-Squares Adaptive Filtering Algorithm. IEEE Transactions on Signal Processing, 2012, 60, 6687-6692.	3.2	28
8	Estimating Angle-of-Arrival and Time-of-Flight for Multipath Components Using WiFi Channel State Information. Sensors, 2018, 18, 1753.	2.1	27
9	Linearly-Constrained Recursive Total Least-Squares Algorithm. IEEE Signal Processing Letters, 2012, 19, 821-824.	2.1	23
10	Affine projection algorithm with selective projections. Signal Processing, 2012, 92, 2253-2263.	2.1	22
11	Adaptive frequency estimation of three-phase power systems. Signal Processing, 2015, 109, 290-300.	2.1	20
12	Unbiased Recursive Least-Squares Estimation Utilizing Dichotomous Coordinate-Descent Iterations. IEEE Transactions on Signal Processing, 2014, 62, 2973-2983.	3.2	19
13	Recursive Total Least-Squares Algorithm Based on Inverse Power Method and Dichotomous Coordinate-Descent Iterations. IEEE Transactions on Signal Processing, 2015, 63, 1941-1949.	3.2	17
14	Diffusion-based distributed adaptive estimation utilizing gradient-descent total least-squares. , 2013, , .		16
15	Hyperspectral Image Recovery via Hybrid Regularization. IEEE Transactions on Image Processing, 2016, 25, 5649-5663.	6.0	16
16	Fast reconstruction algorithm for perturbed compressive sensing based on total least-squares and proximal splitting. Signal Processing, 2017, 130, 57-63.	2.1	16
17	Modified quasi-OBE algorithm with improved numerical properties. Signal Processing, 2013, 93, 797-803.	2.1	14
18	Modified RLS algorithm with enhanced tracking capability for MIMO channel estimation. Electronics Letters, 2011, 47, 1101.	0.5	13

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19	Performance Analysis of Linear-Equality-Constrained Least-Squares Estimation. IEEE Transactions on Signal Processing, 2015, 63, 3762-3769.	3.2	13
20	Shape memory elastomers: A review of synthesis, design, advanced manufacturing, and emerging applications. Polymers for Advanced Technologies, 2022, 33, 1782-1808.	1.6	12
21	Low-complexity adaptive decision-feedback equalization of MIMO channels. Signal Processing, 2012, 92, 1515-1524.	2.1	11
22	Linearly-constrained line-search algorithm for adaptive filtering. Electronics Letters, 2012, 48, 1208.	0.5	10
23	Fast and robust pushbroom hyperspectral imaging via DMD-based scanning. Proceedings of SPIE, 2016, , .	0.8	10
24	Fusing Multiple Multiband Images. Journal of Imaging, 2018, 4, 118.	1.7	10
25	A new UTD-based model for multiple diffractions by buildings. , 0, , .		9
26	Adaptive distributed waveform selection for target tracking by a multistatic radar system. , 2014, , .		9
27	Spectral Unmixing With Perturbed Endmembers. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 194-211.	2.7	9
28	A New Uniform Theory of Diffraction Based Model for Multiple Building Diffraction in the Presence of Trees. Electromagnetics, 2011, 31, 127-146.	0.3	8
29	Set-membership recursive least-squares adaptive filtering algorithm. , 2012, , .		8
30	Estimating frequency of three-phase power systems via widely-linear modeling and total least-squares. , 2013, , .		8
31	RSSI-based self-localization with perturbed anchor positions. , 2017, , .		8
32	Clustering-based Joint Channel Estimation and Signal Detection for Grant-free NOMA. , 2020, , .		8
33	Affine projection algorithm with variable projection order. , 2012, , .		7
34	Distributed Ridge Regression with Feature Partitioning. , 2018, , .		7
35	Efficient Estimation of Graph Signals With Adaptive Sampling. IEEE Transactions on Signal Processing, 2020, 68, 3808-3823.	3.2	7
36	Partial-diffusion recursive least-squares estimation over adaptive networks. , 2013, , .		6

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37	Steady-state mean squared error and tracking performance analysis of the quasi-OBE algorithm. <i>Signal Processing</i> , 2013, 93, 100-108.	2.1	6
38	Adaptive frequency estimation of three-phase power systems with noisy measurements. , 2013, , .		6
39	Reduced-complexity distributed least-squares estimation over adaptive networks. , 2013, , .		5
40	Low-complexity implementation of quasi-OBE algorithm. <i>Electronics Letters</i> , 2012, 48, 621.	0.5	4
41	Model-distributed solution of regularized least-squares problem over sensor networks. , 2015, , .		4
42	Privacy preserving decentralized power system state estimation with phasor measurement units. , 2016, , .		4
43	Pseudo-linear localization using perturbed RSSI measurements and inaccurate anchor positions. <i>Pervasive and Mobile Computing</i> , 2019, 52, 46-59.	2.1	4
44	Design of a 3D-printable UHF RFID hybrid liquid antenna for biosensing applications. <i>Materials Today: Proceedings</i> , 2021, 46, 4619-4624.	0.9	4
45	Selective angle measurements for a 3D-AOA instrumental variable TMA algorithm. , 2015, , .		3
46	Consensus-based Distributed Total Least-squares Estimation Using Parametric Semidefinite Programming. , 2019, , .		3
47	Estimating Heart Rate and Detecting Feeding Events of Fish Using an Implantable Biologger. , 2020, , .		3
48	Sensor-based filament fabrication with embedded RFID microchips for 3D printing. <i>Materials Today: Proceedings</i> , 2021, 46, 124-130.	0.9	3
49	Multi-radio Data Fusion for Indoor Localization using Bluetooth and WiFi. , 2019, , .		3
50	Self-Localization of IoT Devices Using Noisy Anchor Positions and RSSI Measurements. <i>Wireless Personal Communications</i> , 2022, 124, 1623-1644.	1.8	3
51	Privacy-Preserved Distributed Learning With Zeroth-Order Optimization. <i>IEEE Transactions on Information Forensics and Security</i> , 2022, 17, 265-279.	4.5	3
52	Intermittently-updated affine projection algorithm. , 2013, , .		2
53	Multi-mode tracking of a group of mobile agents. , 2017, , .		2
54	Distributed Learning with Non-Smooth Objective Functions. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
55	Self-localization given single perturbed measurement of anchor positions and RSSI. , 2020, , .		2
56	Distributed Learning over Networks with Non-Smooth Regularizers and Feature Partitioning. , 2021, , .		2
57	An improved model based on UTD for multiple diffractions by buildings. , 2002, , .		1
58	Fusion of Multiple Multiband Images with Complementary Spatial and Spectral Resolutions. , 2018, , .		1
59	In-Situ Fish Heart-Rate Estimation and Feeding Event Detection Using an Implantable Biologger. IEEE Transactions on Mobile Computing, 2023, 22, 968-982.	3.9	1
60	A New Propagation Model for Cellular Mobile Radio Communications in Urban Environments Including Tree Effects. Lecture Notes in Computer Science, 2002, , 580-587.	1.0	0
61	Adaptive decision-feedback equalization of MIMO channels using coordinate descent iterations. , 2012, , .		0
62	On the asymptotic bias of the diffusion-based distributed pareto optimization. Signal Processing, 2017, 130, 337-342.	2.1	0