Pubudu N Pathirana

List of Publications by Year
in descending order

229	5,814	147566 31	91712 69
papers	citations	h-index	g-index

232	232	232	3937
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cooperative Task Offloading and Block Mining in Blockchain-Based Edge Computing With Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Mobile Computing, 2023, 22, 2021-2037.	3.9	21
2	6G Internet of Things: A Comprehensive Survey. IEEE Internet of Things Journal, 2022, 9, 359-383.	5.5	366
3	Blockchain for Edge of Things: Applications, Opportunities, and Challenges. IEEE Internet of Things Journal, 2022, 9, 964-988.	5.5	90
4	Federated Learning for COVID-19 Detection With Generative Adversarial Networks in Edge Cloud Computing. IEEE Internet of Things Journal, 2022, 9, 10257-10271.	5.5	55
5	A survey on blockchain for big data: Approaches, opportunities, and future directions. Future Generation Computer Systems, 2022, 131, 209-226.	4.9	184
6	Federated Deep Learning for the Diagnosis of Cerebellar Ataxia: Privacy Preservation and Auto-Crafted Feature Extractor. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 803-811.	2.7	8
7	Balance Deficits due to Cerebellar Ataxia: A Machine Learning and Cloud-Based Approach. IEEE Transactions on Biomedical Engineering, 2021, 68, 1507-1517.	2.5	13
8	De-risking resource recovery value chains for a circular economy â€“ Accounting for supply and demand variations in recycled aggregate concrete. Resources, Conservation and Recycling, 2021, 168, 105312.	5.3	15
9	Enabling AI in Future Wireless Networks: A Data Life Cycle Perspective. IEEE Communications Surveys and Tutorials, 2021, 23, 553-595.	24.8	75
10	Secure Computation Offloading in Blockchain Based IoT Networks With Deep Reinforcement Learning. IEEE Transactions on Network Science and Engineering, 2021, 8, 3192-3208.	4.1	31
11	Developing an Instrumented Measure of Upper Limb Function in Friedreich Ataxia. Cerebellum, 2021, 20, 430-438.	1.4	4
12	Modeling the Progression of Speech Deficits in Cerebellar Ataxia Using a Mixture Mixed-Effect Machine Learning Framework. IEEE Access, 2021, 9, 135343-135353.	2.6	2
13	Blockchain and AI-Based Solutions to Combat Coronavirus (COVID-19)-Like Epidemics: A Survey. IEEE Access, 2021, 9, 95730-95753.	2.6	93
14	Genomic mutations and changes in protein secondary structure and solvent accessibility of SARS-CoV-2 (COVID-19 virus). Scientific Reports, 2021, 11, 3487.	1.6	62
15	Instrumented Objective Clinical Examination of Cerebellar Ataxia: the Upper and Lower Limbâ€”a Review. Cerebellum, 2021, , 1.	1.4	5
16	A Cooperative Architecture of Data Offloading and Sharing for Smart Healthcare with Blockchain. , 2021, , .		18
17	Deep Reinforcement Learning for Collaborative Offloading in Heterogeneous Edge Networks. , 2021, , .		10
18	Utility Optimization for Blockchain Empowered Edge Computing with Deep Reinforcement Learning. , 2021, , .		7

#	Article	IF	Citations
19	Quantitative Assessment of Friedreich Ataxia via Self-Drinking Activity. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1985-1996.	3.9	5
20	BEdgeHealth: A Decentralized Architecture for Edge-Based IoMT Networks Using Blockchain. IEEE Internet of Things Journal, 2021, 8, 11743-11757.	5.5	85
21	Federated Learning Meets Blockchain in Edge Computing: Opportunities and Challenges. IEEE Internet of Things Journal, 2021, 8, 12806-12825.	5.5	255
22	Swarm intelligence for next-generation networks: Recent advances and applications. Journal of Network and Computer Applications, 2021, 191, 103141.	5.8	32
23	Federated Learning for Internet of Things: A Comprehensive Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 1622-1658.	24.8	365
24	Objective Assessment of Progression and Disease Characterization of Friedreich Ataxia via an Instrumented Drinking Cup: Preliminary Results. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2365-2377.	2.7	4
25	Diagnosis Cerebellar Ataxia using Deep Learning with Time Series Transformed Image. , 2021, 2021, 3101-3104.		2
26	Linear functional state bounding for positive systems with disturbances varying within a bounded set. Automatica, 2020, 111, 108644.	3.0	14
27	Automated Topographic Prominence based quantitative assessment of speech timing in Cerebellar Ataxia. Biomedical Signal Processing and Control, 2020, 57, 101759.	3.5	19
28	On <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e91" altimg="si192.svg"><mml:msub><mml:mrow><mml:mi>â„“</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:math> control of 2-D positive Roesser systems with directional delays: Necessary and sufficient conditions. Automatica, 2020, 112, 108720.	3.0	16
29	Multi-domain Data Capture and Cloud Buffered Multimodal Evaluation Platform for Clinical Assessment of Cerebellar Ataxia. , 2020, 2020, 5640-5643.		2
30	Artificial Intelligence (AI) and Big Data for Coronavirus (COVID-19) Pandemic: A Survey on the State-of-the-Arts. IEEE Access, 2020, 8, 130820-130839.	2.6	212
31	A comprehensive scheme for the objective upper body assessments of subjects with cerebellar ataxia. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 162.	2.4	12
32	Privacy-Preserved Task Offloading in Mobile Blockchain With Deep Reinforcement Learning. IEEE Transactions on Network and Service Management, 2020, 17, 2536-2549.	3.2	114
33	A Comparative Severity Assessment of Impaired Balance due to Cerebellar Ataxia using Regression Models. , 2020, 2020, 4571-4574.		2
34	Quantitative Assessment of Friedreich Ataxia through the self-drinking activity. , 2020, 2020, 820-823.		1
35	Multimodal Data Acquisition for the Assessment of Cerebellar Ataxia via Ballistic Tracking. , 2020, 2020, 859-862.		2
36	Integration of Blockchain and Cloud of Things: Architecture, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2521-2549.	24.8	117

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37	Recurrence Quantification Analysis for Human Activity Recognition. , 2020, 2020, 4616-4619.		0
38	Functional Dart-Throwing Motion: A Clinical Comparison of Four-Corner Fusion to Radioscapholunate Fusion Using Inertial Motion Capture. Journal of Wrist Surgery, 2020, 09, 321-327.	0.3	1
39	Blockchain for 5G and beyond networks: A state of the art survey. Journal of Network and Computer Applications, 2020, 166, 102693.	5.8	239
40	Entropy-based analysis of rhythmic tapping for the quantitative assessment of cerebellar ataxia. Biomedical Signal Processing and Control, 2020, 59, 101916.	3.5	10
41	Objective Assessment of Cerebellar Ataxia: A Comprehensive and Refined Approach. Scientific Reports, 2020, 10, 9493.	1.6	19
42	The Assessment of Upper Limb Functionality in Friedreich Ataxia via Self-Feeding Activity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 924-933.	2.7	15
43	A Random Forest Approach for Quantifying Gait Ataxia With Truncal and Peripheral Measurements Using Multiple Wearable Sensors. IEEE Sensors Journal, 2020, 20, 723-734.	2.4	22
44	Quantitative Assessment of Speech in Cerebellar Ataxia Using Magnitude and Phase Based Cepstrum. Annals of Biomedical Engineering, 2020, 48, 1322-1336.	1.3	14
45	Assessment of Disease Progression in Friedreich Ataxia using an Instrumented Self Feeding Activity. , 2020, 2020, 3827-3830.		1
46	Blockchain and Edge Computing for Decentralized EMRs Sharing in Federated Healthcare. , 2020, , .		16
47	A Sensor-Based Comprehensive Objective Assessment of Motor Symptoms in Cerebellar Ataxia. , 2020, 2020, 816-819.		2
48	Robust state estimation for nonâ€linear systems with unknown delays. IET Control Theory and Applications, 2019, 13, 1147-1154.	1.2	8
49	An Instrumented Measurement Scheme for the Assessment of Upper Limb Function in Individuals with Friedreich Ataxia. , 2019, 2019, 317-320.		5
50	Quantitative Assessment of Ataxic Gait using Inertial Sensing at Different Walking Speeds. , 2019, 2019, 4600-4603.		6
51	Blockchain for Secure EHRs Sharing of Mobile Cloud Based E-Health Systems. IEEE Access, 2019, 7, 66792-66806.	2.6	340
52	Quantitative Evaluation of Cerebellar Ataxia Through Automated Assessment of Upper Limb Movements. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1081-1091.	2.7	22
53	Assessment of Shoulder Range of Motion Using a Wireless Inertial Motion Capture Deviceâ€"A Validation Study. Sensors, 2019, 19, 1781.	2.1	36
54	Quantitative assessment of cerebellar ataxia, through automated limb functional tests. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 31.	2.4	33

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55	Robust observer and observer-based control designs for discrete one-sided Lipschitz systems subject to uncertainties and disturbances. Applied Mathematics and Computation, 2019, 353, 42-53.	1.4	31
56	Quantitative Assessment of Cerebella Ataxia, through Automated Limb-Coordination tests. , 2019, 2019, 6850-6853.		3
57	Automated tongue-twister phrase-based screening for Cerebellar Ataxia using Vocal tract Biomarkers. , 2019, 2019, 7173-7176.		2
58	Automated Evaluation of Upper Limb Motor Impairment of Patient with Cerebellar Ataxia. , 2019, 2019, 6846-6849.		5
59	A Mobile Cloud based IoMT Framework for Automated Health Assessment and Management. , 2019, 2019, 6517-6520.		42
60	Quantitative assessment of cerebella ataxia through automated upper limb functional tests. , 2019, , .		3
61	Entropyâ€based method to quantify limb length discrepancy using inertial sensors. IET Wireless Sensor Systems, 2018, 8, 10-16.	1.3	6
62	Sensing and Characterization of the Wrist Using Dart Throwerâ€™s Movement. IEEE Sensors Journal, 2018, 18, 4145-4153.	2.4	6
63	Stability of positive coupled differential-difference equations with unbounded time-varying delays. Automatica, 2018, 92, 259-263.	3.0	28
64	Stability Analysis of Nonlinear Time-Delay Systems Using a Novel Piecewise Positive Systems Method. IEEE Transactions on Automatic Control, 2018, 63, 291-297.	3.6	9
65	Robust observer design for uncertain oneâ€sided Lipschitz systems with disturbances. International Journal of Robust and Nonlinear Control, 2018, 28, 1366-1380.	2.1	39
66	Dual Kalman filter for estimating load-free human motion kinematic energy expenditure. Biomedical Signal Processing and Control, 2018, 41, 40-47.	3.5	0
67	Secrecy Performance of the UAV Enabled Cognitive Relay Network. , 2018, , .		13
68	Effect of Parkinsonism on Proximal Unstructured Movement Captured by Inertial Sensors. , 2018, 2018, 5507-5510.		1
69	Qualification of Wrist Functional Performance During Dart Throwerâ€™s Movement. , 2018, 2018, 5790-5793.		1
70	Automated Finger Chase (ballistic tracking) in the Assessment of Cerebellar Ataxia. , 2018, 2018, 3521-3524.		6
71	Quantitative Assessment of Syllabic Timing Deficits in Ataxic Dysarthria. , 2018, 2018, 425-428.		6
72	Quantitative Assessment of Cerebellar Ataxia With Kinematic Sensing During Rhythmic Tapping. , 2018, 2018, 1098-1101.		7

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73	Robust and Accurate Capture of Human Joint Pose Using an Inertial Sensor. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-11.	2.2	13
74	Robust observer-based control designs for discrete nonlinear systems with disturbances. European Journal of Control, 2018, 44, 65-72.	1.6	21
75	Quantification of Axial Abnormality Due to Cerebellar Ataxia with Inertial Measurements. Sensors, 2018, 18, 2791.	2.1	31
76	Minimization of State Bounding for Perturbed Positive Systems with Delays. SIAM Journal on Control and Optimization, 2018, 56, 1739-1755.	1.1	22
77	Measurement of Axial Rigidity and Postural Instability Using Wearable Sensors. Sensors, 2018, 18, 495.	2.1	16
78	Restricted dart throwing movement for the assessment of wrist functionality. , 2017, , .		1
79	Motion capturing of biomechanical systems in traditional dance using IMU sensors. , 2017, , .		2
80	Human Gender Recognition with Upper Body Gait Kinematics. , 2017, , .		1
81	A constrained nonlinear optimization solution for 3D orientation estimation of the human limb. , 2017, , .		1
82	Motion segmentation of the greenside bunker shot for training and coaching purposes. , 2017, , .		0
83	Parkinsonian Axial Movement Capture using Wearable Sensors during the Pull Test. , 2017, , .		1
84	Identification of Cerebellar Dysarthria with SISO Characterisation. , 2017, , .		5
85	BioKin based system for capturing golf swing data. , 2016, , .		0
86	Quantifying the human finger reachable space. , 2016, 2016, 4589-4592.		0
87	Preliminary investigation of energy comparation between gyroscope, electromyography and VO<inf>2</inf> wearable sensors. , 2016, 2016, 4963-4966.		0
88	Partial state bounding with a preâ€specified time of nonâ€linear discrete systems with timeâ€varying delays. IET Control Theory and Applications, 2016, 10, 1496-1502.	1.2	13
89	Quantification of the Finger Functional Range via Explicit Descriptions of Reachable Subspaces. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1412-1422.	2.4	3
90	Describing human finger flexibility via reachable subspaces. , 2016, , .		0

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91	Componentwise ultimate bounds for positive discrete time-delay systems perturbed by interval disturbances. Automatica, 2016, 72, 153-157.	3.0	11
92	Effects of wrist kinematic coupling movements during dart-thrower's motion. , 2016, , .		0
93	A comparison for capturing arm kinematics using solutions of Wahba's problem and ordinary data fusion mechanisms. , 2016, , .		1
94	Separation of Doppler radar-based respiratory signatures. Medical and Biological Engineering and Computing, 2016, 54, 1169-1179.	1.6	10
95	Stability analysis of a general family of nonlinear positive discrete time-delay systems. International Journal of Control, 2016, 89, 1303-1315.	1.2	17
96	Robust Real-Time Bio-Kinematic Movement Tracking Using Multiple Kinects for Tele-Rehabilitation. IEEE Transactions on Industrial Electronics, 2016, 63, 1822-1833.	5.2	20
97	A summative scoring system for evaluation of human kinematic performance. Biomedical Signal Processing and Control, 2016, 23, 85-92.	3.5	4
98	Suppression of interference in continuous wave Doppler radar based respiratory measurements. Biomedical Signal Processing and Control, 2016, 25, 86-90.	3.5	1
99	A machine-driven process for human limb length estimation using inertial sensors. , 2015, , .		1
100	Real-time measurement of radiocarpal joint angle during dart-thrower's movement. , 2015, , .		2
101	BioKin: an ambulatory platform for gait kinematic and feature assessment. Healthcare Technology Letters, 2015, 2, 40-45.	1.9	34
102	A Non-Contact Measurement System for the Range of Motion of the Hand. Sensors, 2015, 15, 18315-18333.	2.1	25
103	A Mobile Cloud Computing Framework Integrating Multilevel Encoding for Performance Monitoring in Telerehabilitation. Mathematical Problems in Engineering, 2015, 2015, 1-14.	0.6	2
104	Noncontact Detection and Analysis of Respiratory Function Using Microwave Doppler Radar. Journal of Sensors, 2015, 2015, 1-13.	0.6	27
105	Quantitative Assessment of ADL: A Pilot Study of Upper Extremity Reaching Tasks. Journal of Sensors, 2015, 2015, 1-13.	0.6	5
106	Linear functional state bounding for perturbed time-delay systems and its application. IMA Journal of Mathematical Control and Information, 2015, 32, 245-255.	1.1	6
107	Motion artefact separation in single channel Doppler radar respiration measurement. , 2015, , .		3
108	Motion trajectory analysis for evaluating the performance of functional upper extremity tasks in daily living: a pilot study. , 2015, 2015, 2701-4.		2

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109	Deducing the reachable space from fingertip positions. , 2015, 2015, 7578-81.		1
110	An adaptive orientation misalignment calibration method for shoulder movements using inertial sensors: A feasibility study. , 2015, , .		2
111	Smartwatch: Performance evaluation for long-term heart rate monitoring. , 2015, , .		62
112	Reachable set bounding for nonlinear perturbed time-delay systems: The smallest bound. Applied Mathematics Letters, 2015, 43, 68-71.	1.5	45
113	Discrete Wirtinger-based inequality and its application. Journal of the Franklin Institute, 2015, 352, 1893-1905.	1.9	155
114	Convergence within a polyhedron: controller design for timeâ€delay systems with bounded disturbances. IET Control Theory and Applications, 2015, 9, 905-914.	1.2	27
115	Discrete inequalities based on multiple auxiliary functions and their applications to stability analysis of time-delay systems. Journal of the Franklin Institute, 2015, 352, 5810-5831.	1.9	77
116	On backwards and forwards reachable sets bounding for perturbed time-delay systems. Applied Mathematics and Computation, 2015, 269, 664-673.	1.4	15
117	A Kinematic Based Evaluation of Upper Extremity Movement Smoothness for Tele-Rehabilitation. Lecture Notes in Computer Science, 2015, , 221-231.	1.0	1
118	Measurement and Assessment of Hand Functionality via a Cloud-Based Implementation. Lecture Notes in Computer Science, 2015, , 289-294.	1.0	3
119	Remote Monitoring System Enabling Cloud Technology upon Smart Phones and Inertial Sensors for Human Kinematics. , 2014, , .		19
120	Multi-kinect skeleton fusion for physical rehabilitation monitoring. , 2014, 2014, 5060-3.		12
121	A Syntactic Two-Component Encoding Model for the Trajectories of Human Actions. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1903-1914.	3.9	10
122	A general pose estimation algorithm in a multi-Kinect system. , 2014, , .		1
123	Facilitating communication and computer use with EEG devices for non-vocal quadriplegics. , 2014, , .		5
124	Monitoring and Analysis of Respiratory Patterns Using Microwave Doppler Radar. IEEE Journal of Translational Engineering in Health and Medicine, 2014, 2, 1-12.	2.2	119
125	Detection of respiratory paradoxical movement via Doppler radar measurements. , 2014, , .		0
126	Respiration rate and breathing patterns from Doppler radar measurements. , 2014, , .		4

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127	Non-contact measurement of respiratory function and deduction of tidal volume. , 2014, 2014, 594-7.		2
128	Functional range of movement of the hand: Declination angles to reachable space. , 2014, 2014, 6230-3.		7
129	Îµ-bounded state estimation for time-delay systems with bounded disturbances. International Journal of Control, 2014, 87, 1747-1756.	1.2	27
130	Cloud-based non-invasive tele-rehabilitation exercise monitoring. , 2014, , .		4
131	An adaptive complementary filter for inertial sensor based data fusion to track upper body motion. , 2014, , .		10
132	Convergence of Object Focused Simultaneous Estimation of Optical Flow and State Dynamics. International Journal of Advanced Robotic Systems, 2014, 11, 158.	1.3	0
133	Real-Time Lane Detection on Suburban Streets Using Visual Cue Integration. International Journal of Advanced Robotic Systems, 2014, 11, 61.	1.3	5
134	Exponential Convergence of Time-Delay Systems in the Presence of Bounded Disturbances. Journal of Optimization Theory and Applications, 2013, 157, 843-852.	0.8	13
135	Robust Localization With Minimum Number of TDoA Measurements. IEEE Signal Processing Letters, 2013, 20, 949-951.	2.1	9
136	Doppler radar in respiratory monitoring: Detection and analysis. , 2013, , .		9
137	Uplink Power Control via Adaptive Hidden-Markov-Model-Based Pathloss Estimation. IEEE Transactions on Mobile Computing, 2013, 12, 657-665.	3.9	6
138	Optimal Sensor Arrangements in Angle of Arrival (AoA) and Range Based Localization with Linear Sensor Arrays. Sensors, 2013, 13, 12277-12294.	2.1	25
139	Further applications of Doppler radar for non-contact respiratory assessment. , 2013, 2013, 3833-6.		4
140	Localization with ghost elimination of emitters via time-of-arrival measurements. , 2012, , .		1
141	Multiple emitter localization using range only measurements considering geometrical constraints. , 2012, , .		0
142	Optimal sensor placement in range based localization for linear arrays. , 2012, , .		2
143	Localization with ghost elimination of emitters via time-delay-of-arrival measurements. , 2012, , .		0
144	Application of growing self-organizing map to distinguish between finger tapping and non tapping from brain images. , 2012, , .		0

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145	Multitarget Tracking via Space Transformations Using a Single Frequency Continuous Wave Radar. IEEE Transactions on Signal Processing, 2012, 60, 5217-5229.	3.2	12
146	Optimal sensor placement in linear arrays: Part I — AoA based localization. , 2011, , .		3
147	Eigen decomposition solution to the one-dimensional time-dependent photon transport equation. Optics Express, 2011, 19, 2922.	1.7	4
148	PLANE WAVE SCATTERING BY A SPHERICAL DIELECTRIC PARTICLE IN MOTION: A RELATIVISTIC EXTENSION OF THE MIE THEORY. Progress in Electromagnetics Research, 2011, 112, 349-379.	1.6	8
149	Mobile Agent Tracking with Single Frequency Continuous Wave Radar: A Linear Robust Filtering Based Approachâ‹†. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9990-9995.	0.4	0
150	Fusion Based 3D Tracking of Mobile Transmitters via Robust Set-Valued State Estimation with RSS Measurements. IEEE Communications Letters, 2011, 15, 554-556.	2.5	8
151	Further result on reachable set bounding for linear uncertain polytopic systems with interval time-varying delays. Automatica, 2011, 47, 1838-1841.	3.0	80
152	Optimization-based formation of autonomous mobile robots. Robotica, 2011, 29, 515-525.	1.3	3
153	A Robust Solution to the Stereo-Vision-Based Simultaneous Localization and Mapping Problem with Steady and Moving Landmarks. Advanced Robotics, 2011, 25, 765-788.	1.1	5
154	Formation control of weak autonomous robots. , 2011, , .		1
155	Decentralized power control in cellular mobile radio systems with nonlinear and time-varying link gains. Computer Communications, 2010, 33, 1210-1214.	3.1	0
156	Optimality analysis of sensor-target localization geometries. Automatica, 2010, 46, 479-492.	3.0	362
157	Improvement on delay dependent absolute stability of Lurie control systems with multiple time delays. Applied Mathematics and Computation, 2010, 216, 1024-1027.	1.4	9
158	Formations of Robotic Swarm: An Artificial Force Based Approach. International Journal of Advanced Robotic Systems, 2010, 7, 23.	1.3	8
159	Robust ODF smoothing for accurate estimation of fiber orientation. , 2010, 2010, 2698-701.		0
160	A method for stereo-vision-based tracking for robotic applications. Robotica, 2010, 28, 517-524.	1.3	2
161	A state space based approach in non-linear hemodynamic response modeling with fMRI data. , 2010, 2010, 2391-4.		4
162	Knowlege on road information in sub-urban lane detection via multiple cue integration. , 2010, , .		1

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163	Optimal sensor separation for AoA based localization via linear sensor array. , 2010, , .		6
164	Maximum likelihood approach for tracking multiple mobile agents with a moving Doppler radar system. , 2010, , .		0
165	Maximum likelihood estimation for Rician distributed data in analytical q-ball imaging. , 2010, 2010, 2702-5.		1
166	Vision-Based Target Tracking and Surveillance With Robust Set-Valued State Estimation. IEEE Signal Processing Letters, 2010, 17, 289-292.	2.1	20
167	A robust set-valued state estimation approach to the problem of vision based SLAM for mobile robots. , 2009, , .		0
168	Formations of Robotic Swarm: An Artificial Force Based Approach. International Journal of Advanced Robotic Systems, 2009, 6, 7.	1.3	12
169	Data monitoring sensor network for BigNet research Testbed. , 2009, , .		6
170	Uplink power control via adaptive HMM estimation. , 2009, , .		0
171	Bearing-Only Localization using Geometrically Constrained Optimization. IEEE Transactions on Aerospace and Electronic Systems, 2009, 45, 308-320.	2.6	98
172	Detection of vehicles with monolithic classifier vis-à-vis a boosted cascaded classifier. , 2009, , .		1
173	Tracking multiple mobile agents with single frequency Continuous Wave radar. , 2009, , .		4
174	Exploiting geometry for improved hybrid AOA/TDOA-based localization. Signal Processing, 2008, 88, 1775-1791.	2.1	81
175	Optimal Range-Difference-Based Localization Considering Geometrical Constraints. IEEE Journal of Oceanic Engineering, 2008, 33, 289-301.	2.1	39
176	Trajectory characterizations for a discrete-time bearing-only navigation strategy. , 2008, , .		0
177	Object focused simultaneous estimation of optical flow and state dynamics. , 2008, , .		4
178	Two Stage Architecture for Navigating Multiple Guided Weapons into a Widespread Target. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	0
179	Localization of mobile transmitters by means of linear state estimation using RSS measurements. , 2008, , .		1
180	Energy Efficient, Fully-Connected Mesh Networks for High Speed Applications. IEEE Vehicular Technology Conference, 2008, , .	0.2	2

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181	A New Distributed Power Control Formula In CDMA Mobile Networks. IEEE Vehicular Technology Conference, 2008, , .	0.2	0
182	A method for stereo-vision based tracking for robotic applications. , 2008, , .		0
183	Power control in CDMA systems based on channel identification. , 2008, , .		0
184	Visual Tracking of Vehicles using Multiresolution Analysis and Neural Network. , 2008, , .		4
185	TDOA based transmitter localization with minimum number of receivers and power measurements. , 2008, , .		4
186	Position estimation and tracking of an autonomous mobile sensor using received signal strength. , 2008, , .		8
187	Optimal Trajectory Characterization for a Pursuer Navigation Scheme. , 2008, , .		0
188	Robust Power Controllers in Cellular Radio Systems. IEEE Vehicular Technology Conference, 2008, , .	0.2	0
189	Optimal Trajectories for Homing Navigation with Bearing Measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 12117-12123.	0.4	10
190	Decentralized and Robust Target Tracking with Sensor Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14969-14975.	0.4	7
191	Radar Target Tracking via Robust Linear Filtering. IEEE Signal Processing Letters, 2007, 14, 1028-1031.	2.1	24
192	Robust Video/Ultrasonic Fusion-Based Estimation for Automotive Applications. IEEE Transactions on Vehicular Technology, 2007, 56, 1631-1639.	3.9	20
193	Planar Receiver Placement for Unique Emitter Localization for Indoor Applications. , 2007, , .		1
194	Distributed Power Control in Cellular Mobile Radio Systems with Time-Varying Link Gains. , 2007, , .		2
195	Target Tracking with Range and Bearing Measurements via Robust Linear Filtering. , 2007, , .		3
196	Localization of Emitters via the Intersection of Bearing Lines: A Ghost Elimination Approach. IEEE Transactions on Vehicular Technology, 2007, 56, 3106-3110.	3.9	33
197	Optimality Analysis of Sensor-Target Geometries in Passive Localization: Part 2 - Time-of-Arrival Based Localization. , 2007, , .		60
198	Maintaining Optimal Co-Channel Interference for Power Efficient Wireless Communication. , 2007, , .		0

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199	Geometric formations in swarm aggregation: An artificial formation force based approach. , 2007, , .		12
200	Localization with orientation using RSSI measurements: RF map based approach. , 2007, , .		5
201	Smart Cluster Bombs - Control of Multi-agent Systems for Military Applications. , 2007, , .		6
202	Simultaneous estimation of optical flow and object state: A modified approach to optical flow calculation. , 2007, , .		12
203	Optimality Analysis of Sensor-Target Geometries in Passive Localization: Part 1 - Bearing-Only Localization. , 2007, , .		60
204	Stereo-Vision-Based Moving Object Tracking via Robust Linear Filtering. , 2007, , .		1
205	Passive Angle Measurement Based LocalizationConsistency via Geometric Constraints. , 2007, , .		0
206	Identification of moving obstacles with Pyramidal Lucas Kanade optical flow and k means clustering. , 2007, , .		19
207	Vision based target tracking using robust linear filtering. , 2007, , .		1
208	Using Autonomous Mobile Agents for Efficient Data Collection in Sensor Networks. , 2006, , .		2
209	On the Effect of Path Loss Rates on the Optimal Receiver Position in Sensor Networks. , 2006, , .		2
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