

# Taous Meriem Laleg-kirati

## List of Publications by Year in descending order

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171  
papers

1,423  
citations

393982

19  
h-index

454577

30  
g-index

173  
all docs

173  
docs citations

173  
times ranked

831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soliton-based single-point pulse wave velocity model: A quantum mechanical approach. Biomedical Signal Processing and Control, 2022, 71, 103188.	3.5	2
2	Sliding window neural network based sensing of bacteria in wastewater treatment plants. Journal of Process Control, 2022, 110, 35-44.	1.7	11
3	Fish growth trajectory tracking using Q-learning in precision aquaculture. Aquaculture, 2022, 550, 737838.	1.7	12
4	Human Hypertension Blood Flow Model Using Fractional Calculus. Frontiers in Physiology, 2022, 13, 838593.	1.3	6
5	Reference tracking problem for boundary controlled time fractional advection dispersion equation in the presence of disturbances. European Journal of Control, 2022, 65, 100614.	1.6	3
6	Parameter Sensitivity and Experimental Validation for Fractional-Order Dynamical Modeling of Neurovascular Coupling. IEEE Open Journal of Engineering in Medicine and Biology, 2022, 3, 69-77.	1.7	1
7	An LMI-based discrete time nonlinear observer for Light-Emitting Diode optical communication. Automatica, 2022, 141, 110309.	3.0	3
8	Reference Tracking and Observer Design for Space Fractional Partial Differential Equation Modeling Gas Pressures in Fractured Media. SIAM Journal on Control and Optimization, 2022, 60, 1613-1641.	1.1	1
9	Toward a detection approach of surge precursors using a semi-classical signal analysis method. European Physical Journal Plus, 2022, 137, .	1.2	2
10	Selection of Modulating Functions' Design Parameters for Estimation Problems. , 2021, 5, 277-282.		5
11	Central Blood Pressure Estimation From Distal PPG Measurement Using Semiclassical Signal Analysis Features. IEEE Access, 2021, 9, 44963-44973.	2.6	30
12	Calibration and validation for a real-time membrane bioreactor: A sliding window approach. Journal of Process Control, 2021, 98, 92-105.	1.7	5
13	Time scale state feedback $h$ -stabilisation of linear systems under Lipschitz-type disturbances. International Journal of Systems Science, 2021, 52, 1719-1729.	3.7	3
14	Finite-time estimation algorithms for LPV discrete-time systems with application to output feedback stabilization. Automatica, 2021, 125, 109436.	3.0	5
15	Signal denoising based on the Schrödinger operator's eigenspectrum and a curvature constraint. IET Signal Processing, 2021, 15, 195-206.	0.9	4
16	Fractional-order model representations of apparent vascular compliance as an alternative in the analysis of arterial stiffness: an in-silico study. Physiological Measurement, 2021, 42, 045008.	1.2	12
17	Iterative Learning Based Modulating Functions Method for Distributed Solar Source Estimation. , 2021, , .		0
18	Reduction of the beam pointing error for improved free-space optical communication link performance. IFAC Journal of Systems and Control, 2021, 16, 100154.	1.1	2

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19	A Multilayer Perceptron-based Carotid-to-Femoral Pulse Wave Velocity Estimation using PPG Signal. , 2021, , .		4
20	Aortic blood pressure estimation: A hybrid machine-learning and cross-relation approach. Biomedical Signal Processing and Control, 2021, 68, 102762.	3.5	11
21	Model predictive control paradigms for fish growth reference tracking in precision aquaculture. Journal of Process Control, 2021, 105, 160-168.	1.7	12
22	Iterative Learning Based Modulating Functions Method for Distributed Solar Source Estimation. , 2021, 5, 1970-1975.		0
23	Establishing and Maintaining a Reliable Optical Wireless Communication in Underwater Environment. IEEE Access, 2021, 9, 62519-62531.	2.6	23
24	Quantum-based interval selection of the Semi-classical Signal Analysis method. , 2021, , .		3
25	Tracking Model Predictive Control Paradigm for Underwater Optical Communication. IEEE Open Journal of the Communications Society, 2021, 2, 2084-2094.	4.4	0
26	Coupled Tanks State Estimation Using a High-Gain Like Observer. IFAC-PapersOnLine, 2021, 54, 96-101.	0.5	3
27	A nonlinear adaptive resilient observer for fouling detection and localization in direct contact membrane distillation systems. , 2021, , .		1
28	Towards Characterization of the Complex and Frequency-dependent Arterial Compliance based on Fractional-order Capacitor. , 2021, 2021, 5559-5565.		2
29	Prescribed-Time High-Gain Nonlinear Observer Design for Triangular Systems. , 2021, , .		1
30	Adaptive Observer for Space-Fractional Partial Differential Model of Gas Pressures in Fractured Media. , 2021, , .		1
31	Automatic Detection of Epileptiform EEG Discharges based on the Semi-Classical Signal Analysis (SCSA) method. , 2021, 2021, 928-931.		2
32	Combining Machine Learning and Blind Estimation for Central Aortic Blood Pressure Reconstruction. , 2021, 2021, 5512-5517.		1
33	LMI Feasibility Improvement to Design Observers for a Class of Lipschitz Nonlinear Systems. , 2021, , .		3
34	Intelligent Proportionalâ€“Integralâ€“Derivative Control-Based Modulating Functions for Laser Beam Pointing and Stabilization. IEEE Transactions on Control Systems Technology, 2020, 28, 1001-1008.	3.2	14
35	Sparse Reconstruction of Glucose Fluxes Using Continuous Glucose Monitors. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2020, 17, 1797-1809.	1.9	5
36	Parameter and differentiation order estimation for a two dimensional fractional partial differential equation. Journal of Computational and Applied Mathematics, 2020, 369, 112570.	1.1	2

#	ARTICLE	IF	CITATIONS
37	Optimal model-free control of solar thermal membrane distillation system. Computers and Chemical Engineering, 2020, 133, 106622.	2.0	21
38	Monitoring the temperature of a direct contact membrane distillation. Mathematical Methods in the Applied Sciences, 2020, 43, 1399-1408.	1.2	2
39	Schrödinger Spectrum Based PPG Features for the Estimation of the Arterial Blood Pressure. , 2020, 2020, 2683-2686.		2
40	Voxel Weight Matrix-Based Feature Extraction for Biomedical Applications. IEEE Access, 2020, 8, 121451-121459.	2.6	2
41	Analysis and output tracking design for the direct contact membrane distillation parabolic system. Journal of Mathematical Analysis and Applications, 2020, 491, 124367.	0.5	2
42	Assessment of Fractional-Order Arterial Windkessel as a Model of Aortic Input Impedance. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 123-132.	1.7	15
43	Blind Estimation of Central Blood Pressure Using Least-Squares with Mean Matching and Box Constraints. , 2020, 2020, 2723-2727.		1
44	Fractional-Order SEIQRDP Model for Simulating the Dynamics of COVID-19 Epidemic. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 249-256.	1.7	32
45	A Position Weight Matrix Feature Extraction Algorithm Improves Hand Gesture Recognition. , 2020, 2020, 5765-5768.		3
46	Localization and Tracking Control Using Hybrid Acoustic-Optical Communication for Autonomous Underwater Vehicles. IEEE Internet of Things Journal, 2020, 7, 10048-10060.	5.5	28
47	Extended Kalman Filter Based Linear Quadratic Regulator Control for Optical Wireless Communication Alignment. IEEE Photonics Journal, 2020, 12, 1-12.	1.0	10
48	SCSA based MATLAB pre-processing toolbox for 1H MR spectroscopic water suppression and denoising. Informatics in Medicine Unlocked, 2020, 18, 100294.	1.9	2
49	QuPWM: Feature Extraction Method for Epileptic Spike Classification. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2814-2824.	3.9	8
50	Observer-based Economic Model Predictive Control for Direct Contact Membrane Distillation. Chemical Engineering Research and Design, 2020, 156, 86-99.	2.7	7
51	Nonlinear Model Predictive Control Design for BSM-MBR: Benchmark of Membrane Bioreactor. IFAC-PapersOnLine, 2020, 53, 16524-16530.	0.5	2
52	An Extremum Seeking Control Based Approach for Alignment Problem of Mobile Optical Communication Systems. IFAC-PapersOnLine, 2020, 53, 5368-5374.	0.5	1
53	Robust Static Output Feedback Stabilization of Continuous-Time Linear Systems via Enhanced LMI Conditions. IFAC-PapersOnLine, 2020, 53, 4540-4545.	0.5	3
54	Boundary stabilization of a reaction-diffusion system weakly coupled at the boundary.. IFAC-PapersOnLine, 2020, 53, 16537-16542.	0.5	2

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55	Adaptive and Robust Control for Energy Efficiency Enhancement of a Solar-powered Desalination System. IFAC-PapersOnLine, 2020, 53, 16543-16548.	0.5	0
56	Finite-time joint estimation of the arterial blood flow and the arterial Windkessel parameters using modulating functions. IFAC-PapersOnLine, 2020, 53, 16286-16292.	0.5	3
57	High-Gain Observer Design for Nonlinear Systems with Delayed Outputs. IFAC-PapersOnLine, 2020, 53, 5057-5062.	0.5	8
58	Non-asymptotic State Estimation of Linear Reaction Diffusion Equation using Modulating Functions. IFAC-PapersOnLine, 2020, 53, 4196-4201.	0.5	9
59	Membrane fouling modeling and detection in direct contact membrane distillation. Journal of Process Control, 2019, 81, 190-196.	1.7	10
60	Modeling and Experimental Study of The Vibration Effects in Urban Free-Space Optical Communication Systems. IEEE Photonics Journal, 2019, 11, 1-13.	1.0	5
61	Residual Water Suppression Using the Squared Eigenfunctions of the Schrödinger Operator. IEEE Access, 2019, 7, 69126-69137.	2.6	7
62	Bounded bilinear control of coupled first-order hyperbolic PDE and infinite dimensional ODE in the framework of PDEs with memory. Journal of Process Control, 2019, 81, 223-231.	1.7	4
63	Kalman filter based estimation algorithm for the characterization of the spatiotemporal hemodynamic response in the brain. Control Engineering Practice, 2019, 89, 180-189.	3.2	4
64	Hybrid model for efficient prediction of poly(A) signals in human genomic DNA. Methods, 2019, 166, 31-39.	1.9	18
65	A geometric approach to nonlinear fault detection and isolation in a hybrid three-cell converter. International Journal of Systems Science, 2019, 50, 1069-1088.	3.7	1
66	State Estimation of LPV Discrete-Time Systems with Application to Output Feedback Stabilization. , 2019, , .		1
67	Finite-Time State Estimation of Discrete-Time Linear Systems With Some Extensions. Application to Steering Lateral Vehicle Model. , 2019, , .		2
68	Feature Generation and Dimensionality Reduction using the Discrete Spectrum of the Schrödinger Operator for Epileptic Spikes Detection. , 2019, 2019, 2373-2376.		5
69	Model Predictive Control Paradigms for Direct Contact Membrane Desalination Modeled by Differential Algebraic Equations. , 2019, , .		3
70	Two-Element Fractional-Order Windkessel Model to Assess the Arterial Input Impedance. , 2019, 2019, 5018-5023.		4
71	Dynamical Behavior of Biological Healthy Steady State in Leukemia Using a New Leukemic & Healthy Stem Cells Cohabitation Model with Distributed Delay. , 2019, , .		0
72	On Instability and Global Asymptotic Stability of Age-structured Distributed Delay System Describing Pathological Hematopoiesis. , 2019, , .		0

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73	State Estimation in Direct Contact Membrane Distillation based Desalination Using Nonlinear Observer. IFAC-PapersOnLine, 2019, 52, 61-66.	0.5	2
74	Sufficient conditions for uniform exponential stability and stability of some classes of dynamic equations on arbitrary time scales. Nonlinear Analysis: Hybrid Systems, 2019, 32, 54-64.	2.1	19
75	Robust fractional-order proportional-integral observer for synchronization of chaotic fractional-order systems. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 268-277.	8.5	37
76	Parameters and fractional differentiation orders estimation for linear continuous-time non-commensurate fractional order systems. Systems and Control Letters, 2018, 115, 26-33.	1.3	31
77	Observer-based perturbation extremum seeking control with input constraints for direct-contact membrane distillation process. International Journal of Control, 2018, 91, 1363-1375.	1.2	17
78	Estimation of Multiple Point Sources for Linear Fractional Order Systems Using Modulating Functions. , 2018, 2, 7-12.		4
79	Adaptive energy-based bilinear control of first-order 1-D hyperbolic PDEs: Application to a one-loop parabolic solar collector trough. Journal of the Franklin Institute, 2018, 355, 827-848.	1.9	5
80	Sliding mode observer design based linear matrix inequality approach for a Three-Cell Converter. , 2018, , .		0
81	Razumikhin-type Theorems on Practical Stability of Dynamic Equations on Time Scales. IFAC-PapersOnLine, 2018, 51, 121-126.	0.5	6
82	Arterial Viscoelastic Model using Lumped Parameter Circuit With Fractional-Order Capacitor. , 2018, , .		11
83	Robust $\mathcal{H}_{\infty}$ Pointing Error Control of Free Space Optical Communication Systems. , 2018, , .		2
84	A New ROI-Based performance evaluation method for image denoising using the Squared Eigenfunctions of the Schrödinger Operator. , 2018, 2018, 5579-5582.		5
85	Three-Element Fractional-Order Viscoelastic Arterial Windkessel Model. , 2018, 2018, 5261-5266.		15
86	Estimation Methods for Fractional-Order Systems. , 2018, , 451-475.		0
87	State observer design for Direct Contact Membrane Distillation Parabolic systems. , 2018, , .		3
88	Direct and inverse source problems for a space fractional advection dispersion equation. Journal of Inverse and Ill-Posed Problems, 2017, 25, .	0.5	1
89	Adaptive observer for nonlinear fractional-order systems. International Journal of Adaptive Control and Signal Processing, 2017, 31, 314-331.	2.3	37
90	An efficient multistage algorithm for full calibration of the hemodynamic model from BOLD signal responses. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2875.	1.0	4

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91	High-order sliding mode observer for fractional commensurate linear systems with unknown input. Automatica, 2017, 82, 209-217.	3.0	46
92	Moving-Horizon Modulating Functions-Based Algorithm for Online Source Estimation in a First-Order Hyperbolic Partial Differential Equation. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.1	10
93	Modulating functions method for parameters estimation in the fifth order KdV equation. , 2017, , .		3
94	Iterative observer based method for source localization problem for Poisson equation in 3D. , 2017, , .		0
95	Bilinear Approximate Model-Based Robust Lyapunov Control for Parabolic Distributed Collectors. IEEE Transactions on Control Systems Technology, 2017, 25, 1848-1855.	3.2	7
96	Modulating functions-based method for parameters and source estimation in one-dimensional partial differential equations. Inverse Problems in Science and Engineering, 2017, 25, 1191-1215.	1.2	22
97	Analysis of direct contact membrane distillation based on a lumped-parameter dynamic predictive model. Desalination, 2017, 402, 50-61.	4.0	39
98	Performance analysis of fractional-order PID controller for a parabolic distributed solar collector. , 2017, , .		8
99	Source Estimation for the Damped Wave Equation Using Modulating Functions Method: Application to the Estimation of the Cerebral Blood Flow. IFAC-PapersOnLine, 2017, 50, 7082-7088.	0.5	1
100	Adaptive method for MRI enhancement using squared eigenfunctions of the Schrödinger operator. , 2017, , .		1
101	Laser beam pointing and stabilization by fractional-order PID control: Tuning rule and experiments. , 2017, , .		5
102	Model reduction of nonlinear systems subject to input disturbances. , 2017, , .		1
103	Robust iterative observer for source localization for Poisson equation. , 2016, , .		0
104	Spectral data de-noising using semi-classical signal analysis: application to localized MRS. NMR in Biomedicine, 2016, 29, 1477-1485.	1.6	18
105	Localization of Point Sources for Poisson Equation using State Observers. IFAC-PapersOnLine, 2016, 49, 25-30.	0.5	1
106	Output feedback control of heat transport mechanisms in parabolic distributed solar collectors. , 2016, , .		2
107	Electrical equivalent thermal network for direct contact membrane distillation modeling and analysis. Journal of Process Control, 2016, 47, 87-97.	1.7	11
108	Nonlinear observer design for a first order hyperbolic PDE: application to the estimation of the temperature in parabolic solar collectors**Research reported in this publication has been supported by the King Abdullah University of Science and Technology (KAUST).. IFAC-PapersOnLine, 2016, 49, 199-203.	0.5	1

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109	Source term boundary adaptive estimation in a first-order 1D hyperbolic PDE: Application to a one loop solar collector through. , 2016, , .		2
110	Adaptive observer for the joint estimation of parameters and input for a coupled wave PDE and infinite dimensional ODE system. , 2016, , .		1
111	Nonlinear observer-based Lyapunov boundary control of distributed heat transfer mechanisms for membrane distillation plant. Journal of Process Control, 2016, 47, 78-86.	1.7	11
112	New MPPT algorithm for PV applications based on hybrid dynamical approach. Journal of Process Control, 2016, 48, 14-24.	1.7	18
113	Boundary control of nonlinear coupled heat systems using backstepping. , 2016, , .		0
114	Wave Velocity Estimation in Heterogeneous Media. Advances in Intelligent Systems and Computing, 2016, , 303-312.	0.5	0
115	A novel approach to calibrate the hemodynamic model using functional Magnetic Resonance Imaging (fMRI) measurements. Journal of Neuroscience Methods, 2016, 262, 93-109.	1.3	4
116	Dynamic modeling and experimental validation for direct contact membrane distillation (DCMD) process. Desalination, 2016, 384, 1-11.	4.0	64
117	Bilinear reduced order approximate model of parabolic distributed solar collectors. Solar Energy, 2016, 131, 71-80.	2.9	8
118	Joint estimation of the fractional differentiation orders and the unknown input for linear fractional non-commensurate system. , 2015, , .		3
119	Efficient solution methodology for calibrating the hemodynamic model using functional Magnetic Resonance Imaging (fMRI) measurements. , 2015, 2015, 2645-8.		0
120	Observer-based bilinear control of first-order hyperbolic PDEs: Application to the solar collector. , 2015, , .		0
121	Modulating Functions Based Algorithm for the Estimation of the Coefficients and Differentiation Order for a Space-Fractional Advection-Dispersion Equation. SIAM Journal of Scientific Computing, 2015, 37, A2813-A2839.	1.3	34
122	Distributed Cerebral Blood Flow estimation using a spatiotemporal hemodynamic response model and a Kalman-like Filter approach. , 2015, , .		2
123	An Adaptive Observer-Based Algorithm for Solving Inverse Source Problem for the Wave Equation. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	5
124	A Sensitivity Analysis of fMRI Balloon Model. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11.	0.7	2
125	An optimal iterative algorithm to solve Cauchy problem for Laplace equation. , 2015, , .		1
126	Chaotic convective behavior and stability analysis of a fractional viscoelastic fluids model in porous media. , 2015, , .		1



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127	Real time optimization of solar powered direct contact membrane distillation based on multivariable extremum seeking. , 2015, , .		6
128	Control of a perturbed under-actuated mechanical system. , 2015, , .		3
129	Nonlinear Lyapunov-based boundary control of distributed heat transfer mechanisms in membrane distillation plant. , 2015, , .		1
130	Feedback control for distributed heat transfer mechanisms in direct-contact membrane distillation system. , 2015, , .		2
131	A first approach on fault detection and isolation for cardiovascular anomalies detection. , 2015, , .		3
132	An algebraic fractional order differentiator for a class of signals satisfying a linear differential equation. Signal Processing, 2015, 116, 78-90.	2.1	46
133	A novel algorithm for image representation using discrete spectrum of the Schrödinger operator. , 2015, 40, 80-87.		12
134	Fractional Order Differentiation by Integration and Error Analysis in Noisy Environment. IEEE Transactions on Automatic Control, 2015, 60, 2945-2960.	3.6	60
135	Fractional-order adaptive fault estimation for a class of nonlinear fractional-order systems. , 2015, , .		16
136	Robust fractional order differentiators using generalized modulating functions method. Signal Processing, 2015, 107, 395-406.	2.1	53
137	Application of Hybrid Dynamical Theory to the Cardiovascular System. Lecture Notes in Control and Information Sciences, 2015, , 315-328.	0.6	0
138	The determination of an unknown source for a space fractional advection dispersion equation. , 2014, , .		1
139	&#x210B;&lt;inf&gt;&#x2212;&lt;/inf&gt; adaptive observer design and parameter identification for a class of nonlinear fractional-order systems. , 2014, , .		1
140	Residual generator for cardiovascular anomalies detection. , 2014, , .		6
141	Joint state and parameter estimation for a class of cascade systems: Application to a hemodynamic model. , 2014, , .		0
142	On the characterization of single-event related brain activity from functional Magnetic Resonance Imaging (fMRI) measurements. , 2014, 2014, 2396-9.		3
143	Electrical thermal networks for direct contact membrane distillation modeling. , 2014, , .		5
144	A sliding mode observer for hemodynamic characterization under modeling uncertainties. , 2014, , .		1

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145	New MPPT algorithm based on hybrid dynamical theory. , 2014, , .		0
146	Fractional dynamical model for neurovascular coupling. , 2014, 2014, 4916-9.		6
147	New fuzzy approximate model for indirect adaptive control of distributed solar collectors. , 2014, , .		1
148	Fuzzy universal model approximator for distributed solar collector field control. , 2014, , .		8
149	Nonlinear neural network for hemodynamic model state and input estimation using fMRI data. Biomedical Signal Processing and Control, 2014, 14, 240-247.	3.5	6
150	Riesz potential versus fractional Laplacian. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09032.	0.9	7
151	Non-asymptotic state estimation for a class of linear time-varying systems with unknown inputs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3732-3738.	0.4	43
152	Dynamic modeling and optimization in membrane distillation system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3327-3332.	0.4	8
153	Semi-classical signal analysis. Mathematics of Control, Signals, and Systems, 2013, 25, 37-61.	1.4	33
154	Theoretical study of the fibrous capsule tissue growth around a disk-shaped implant. Journal of Mathematical Biology, 2013, 67, 833-867.	0.8	2
155	On sliding mode observer for a hybrid three-cell converter. , 2013, , .		4
156	Cauchy problem for Laplace equation: An observer based approach. , 2013, , .		2
157	Identification of fractional order systems using modulating functions method. , 2013, , .		23
158	Control and Fault Diagnosis Based Sliding Mode Observer of a Multicellular Converter: Hybrid Approach. Journal of Electrical Engineering, 2013, 64, 20-30.	0.4	5
159	Estimation of the neuronal activation using fMRI data: An observer-based approach. , 2013, , .		5
160	Fractional order differentiation by integration: an application to fractional linear systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 653-658.	0.4	2
161	Fractional order differentiation by integration with Jacobi polynomials. , 2012, , .		9
162	A geometric approach for fault detection and isolation of stator short circuit failure in a single asynchronous machine. , 2012, , .		2

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163	Detection of Cardiovascular Anomalies: Hybrid Systems Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 222-227.	0.4	3
164	Mathematical properties of a semi-classical signal analysis method: Noisy signal case. , 2012, , .		1
165	On semi-classical questions related to signal analysis. Asymptotic Analysis, 2011, 75, 125-144.	0.2	7
166	Validation of a Semi-Classical Signal Analysis Method for Stroke Volume Variation Assessment: A Comparison with the PiCCO Technique. Annals of Biomedical Engineering, 2010, 38, 3618-3629.	1.3	20
167	Arterial blood pressure analysis based on scattering transform I. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5326-9.	0.5	21
168	Arterial blood pressure analysis based on scattering transform II. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5330-3.	0.5	10
169	Separation of arterial pressure into a nonlinear superposition of solitary waves and a windkessel flow. Biomedical Signal Processing and Control, 2007, 2, 163-170.	3.5	19
170	Time scale observability and constructibility of linear dynamic equations. International Journal of Control, 0, , 1-11.	1.2	3
171	Time scale reachability and controllability of time-varying linear systems. Asian Journal of Control, 0, , .	1.9	1