

Pã©ter Kovã¡cs

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

547
citations

1307594

7
h-index

940533

16
g-index

30
all docs

30
docs citations

30
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Epileptic Seizure Classification of EEG Time-Series Using Rational Discrete Short-Time Fourier Transform. IEEE Transactions on Biomedical Engineering, 2015, 62, 541-552.	4.2	308
2	Epileptic seizure detection in long-term EEG records using sparse rational decomposition and local Gabor binary patterns feature extraction. Knowledge-Based Systems, 2017, 118, 228-240.	7.1	80
3	ECG Beat Representation and Delineation by Means of Variable Projection. IEEE Transactions on Biomedical Engineering, 2021, 68, 2997-3008.	4.2	25
4	Deep learning approaches for thermographic imaging. Journal of Applied Physics, 2020, 128, .	2.5	17
5	On application of rational Discrete Short Time Fourier Transform in epileptic seizure classification. , 2014, , .		15
6	Generalized Rational Variable Projection With Application in ECG Compression. IEEE Transactions on Signal Processing, 2020, 68, 478-492.	5.3	14
7	VPNET: Variable Projection Networks. International Journal of Neural Systems, 2022, 32, 2150054.	5.2	14
8	ECG Signal Compression Using Adaptive Hermite Functions. Advances in Intelligent Systems and Computing, 2016, , 245-254.	0.6	10
9	Sleep stage classification using sparse rational decomposition of single channel EEG records. , 2015, , .		7
10	ECG segmentation using adaptive hermite functions. , 2017, , .		7
11	Ensemble Learning for Heartbeat Classification Using Adaptive Orthogonal Transformations. Lecture Notes in Computer Science, 2020, , 355-363.	1.3	6
12	Nonlinear least-squares spline fitting with variable knots. Applied Mathematics and Computation, 2019, 354, 490-501.	2.2	5
13	RAIT: the Rational Approximation and Interpolation Toolbox for Matlab, with Experiments on ECG Signals. International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, 2012, 1, .	0.2	5
14	RAIT: The rational approximation and interpolation toolbox for Matlab. , 2012, , .		4
15	Processing ECG signals using rational function systems. , 2012, , .		4
16	Fast Computing of Non-uniform Sampling Positions for Real Signals. , 2013, , .		3
17	Waveform Modeling by Adaptive Weighted Hermite Functions. , 2019, , .		3
18	Variable Projection for Multiple Frequency Estimation. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
19	A Hybrid Approach for Thermographic Imaging With Deep Learning. , 2020, , .		3
20	Rational Variable Projection Methods in ECG Signal Processing. Lecture Notes in Computer Science, 2018, , 196-203.	1.3	3
21	A linear state space model for photoacoustic imaging in an acoustic attenuating media. Inverse Problems, 2019, 35, 015003.	2.0	2
22	Surfing Virtual Waves to Thermal Tomography: From model- to deep learning-based reconstructions. IEEE Signal Processing Magazine, 2022, 39, 55-67.	5.6	2
23	Improved parametrized multiple window spectrogram with application in ship navigation systems. , 2022, 126, 103491.		2
24	Color classification of visually evoked potentials by means of Hermite functions. , 2021, , .		2
25	Adaptive System Identification via Low-Rank Tensor Decomposition. IEEE Access, 2021, 9, 139028-139042.	4.2	1
26	Adaptive Rational Transformations in Biomedical Signal Processing. Mathematics in Industry, 2019, , 239-247.	0.3	1
27	A Linear Parameter Varying ARX Model for Describing Biomedical Signal Couplings. Lecture Notes in Computer Science, 2020, , 339-346.	1.3	1
28	ECG processing by rational systems. , 2017, , .		0
29	Sparsity Problem Involving Rational Basis Functions. , 2018, , .		0