

Abdel-Ouahab Boudraa

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,341
citations

567281

15
h-index

454955

30
g-index

42
all docs

42
docs citations

42
times ranked

1205
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | EMD-Based Signal Filtering. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2196-2202. | 4.7 | 487 |
| 2 | EMD-Based Filtering Using Similarity Measure Between Probability Density Functions of IMFs. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 27-34. | 4.7 | 154 |
| 3 | Automated segmentation of multiple sclerosis lesions in multispectral MR imaging using fuzzy clustering. Computers in Biology and Medicine, 2000, 30, 23-40. | 7.0 | 87 |
| 4 | Audio Watermarking Via EMD. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 675-680. | 3.2 | 82 |
| 5 | Teager-Kaiser energy methods for signal and image analysis: A review. , 2018, 78, 338-375. | | 56 |
| 6 | Analysis of multicomponent LFM signals by Teager Huang-Hough transform. IEEE Transactions on Aerospace and Electronic Systems, 2014, 50, 1222-1233. | 4.7 | 43 |
| 7 | Multicomponent AM-FM signals analysis based on EMD-B-splines ESA. Signal Processing, 2012, 92, 2214-2228. | 3.7 | 38 |
| 8 | Speech Enhancement via EMD. Eurasip Journal on Advances in Signal Processing, 2008, 2008, . | 1.7 | 36 |
| 9 | An Energy-Based Similarity Measure for Time Series. Eurasip Journal on Advances in Signal Processing, 2007, 2008, . | 1.7 | 30 |
| 10 | Speech enhancement using empirical mode decomposition and the Teager-Kaiser energy operator. Journal of the Acoustical Society of America, 2014, 135, 451-459. | 1.1 | 29 |
| 11 | Generalized higher-order nonlinear energy operators. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 3717. | 1.5 | 24 |
| 12 | Cross-B-energy operator-based signal detection. Journal of the Acoustical Society of America, 2008, 123, 4283-4289. | 1.1 | 24 |
| 13 | Voiced/unvoiced speech classification-based adaptive filtering of decomposed empirical modes for speech enhancement. IET Signal Processing, 2016, 10, 69-80. | 1.5 | 21 |
| 14 | Image contrast enhancement based on 2D Teager-Kaiser operator. , 2008, , . | | 18 |
| 15 | Iterative estimation of Dempster-Shafer's basic probability assignment: application to multisensor image segmentation <xref ref-type="fn" rid="FN1">*</xref>. Optical Engineering, 2004, 43, 1293. | 1.0 | 17 |
| 16 | Functional segmentation of dynamic nuclear images by cross-B-energy operator. Computer Methods and Programs in Biomedicine, 2006, 84, 146-152. | 4.7 | 16 |
| 17 | A new EMD denoising approach dedicated to voiced speech signals. , 2008, , . | | 16 |
| 18 | Some useful properties of cross-energy operator. AEU - International Journal of Electronics and Communications, 2009, 63, 728-735. | 2.9 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Temporal covariance analysis of first-pass contrast-enhanced myocardial magnetic resonance images. Computers in Biology and Medicine, 2001, 31, 133-142. | 7.0 | 14 |
| 20 | VOICED SPEECH ENHANCEMENT BASED ON ADAPTIVE FILTERING OF SELECTED INTRINSIC MODE FUNCTIONS. Advances in Adaptive Data Analysis, 2010, 02, 65-80. | 0.6 | 13 |
| 21 | Speech signal noise reduction by EMD. , 2008, , . | | 12 |
| 22 | Teager-Kaiser Energy and Higher-Order Operators in White-Light Interference Microscopy for Surface Shape Measurement. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1. | 1.7 | 10 |
| 23 | Texture features based on an efficient local binary pattern descriptor. Computers and Electrical Engineering, 2018, 70, 496-508. | 4.8 | 10 |
| 24 | Image source detection for geoacoustic inversion by the Teager-Kaiser energy operator. Journal of the Acoustical Society of America, 2014, 135, EL258-EL264. | 1.1 | 9 |
| 25 | Extracting Courses of Vessels from AIS Data and Real-Time Warning Against Off-Course. , 2018, , . | | 9 |
| 26 | Blind separation of ECG signals from noisy signals affected by electrosurgical artifacts. Analog Integrated Circuits and Signal Processing, 2020, 104, 191-204. | 1.4 | 9 |
| 27 | Precise acquisition of global navigation satellite system signals in the presence of multipath and influence on tracking capability. IET Radar, Sonar and Navigation, 2015, 9, 790-801. | 1.8 | 8 |
| 28 | HHT-based audio coding. Signal, Image and Video Processing, 2015, 9, 107-115. | 2.7 | 7 |
| 29 | Relationships Between $\Psi_{\{t\}}$ -Energy Operator and Some Time-Frequency Representations. IEEE Signal Processing Letters, 2010, 17, 527-530. | 3.6 | 6 |
| 30 | Extracting route patterns of vessels from AIS data by using topic model. , 2017, , . | | 6 |
| 31 | Audio coding via EMD. , 2020, 104, 102770. | | 6 |
| 32 | On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. IEEE Transactions on Signal Processing, 2021, 69, 2676-2688. | 5.3 | 5 |
| 33 | Teager-Kaiser Energy bi-level thresholding. , 2008, , . | | 4 |
| 34 | Empirical Mode Decomposition and some operators to estimate Instantaneous Frequency: A comparative study. , 2008, , . | | 4 |
| 35 | Statistical Behavior of Teager-Kaiser Energy Operator in Presence of White Gaussian Noise. IEEE Signal Processing Letters, 2020, 27, 635-639. | 3.6 | 4 |
| 36 | -energy operator and cross-power spectral density. Signal Processing, 2014, 94, 236-240. | 3.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | A Joint Spectral Similarity Measure for Graphs Classification. Pattern Recognition Letters, 2019, 120, 1-7. | 4.2 | 3 |
| 38 | Frequency and Amplitude Modulations of a Moving Structure in Unsteady Non-Homogeneous Density Fluid Flow. Fluids, 2021, 6, 130. | 1.7 | 3 |
| 39 | On the behavior of EMD and MEMD in presence of symmetric α -stable noise. IEEE Signal Processing Letters, 2014, , 1-1. | 3.6 | 2 |
| 40 | An imroved image demodulation algorithm based on Teager-Kaiser operator. , 2008, , . | | 1 |
| 41 | On the detection of transient signals using cross-Ψ<inf>B</inf>-energy operator. , 2008, , . | | 0 |
| 42 | An AM-FM Based Image Segmentation: Detection of Clouds in MSG Images of Algeria. International Review on Computers and Software, 2015, 10, 789. | 0.1 | 0 |