

# Abdel-Ouahab Boudraa

## List of Publications by Year in descending order

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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	Frequency and Amplitude Modulations of a Moving Structure in Unsteady Non-Homogeneous Density Fluid Flow. <i>Fluids</i> , 2021, 6, 130.	1.7	3
2	On the Behavior of MEMD in Presence of Multivariate Fractional Gaussian Noise. <i>IEEE Transactions on Signal Processing</i> , 2021, 69, 2676-2688.	5.3	5
3	Audio coding via EMD. , 2020, 104, 102770.		6
4	Statistical Behavior of Teager-Kaiser Energy Operator in Presence of White Gaussian Noise. <i>IEEE Signal Processing Letters</i> , 2020, 27, 635-639.	3.6	4
5	Blind separation of ECG signals from noisy signals affected by electrosurgical artifacts. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 104, 191-204.	1.4	9
6	A Joint Spectral Similarity Measure for Graphs Classification. <i>Pattern Recognition Letters</i> , 2019, 120, 1-7.	4.2	3
7	Teager-Kaiser energy methods for signal and image analysis: A review. , 2018, 78, 338-375.		56
8	Texture features based on an efficient local binary pattern descriptor. <i>Computers and Electrical Engineering</i> , 2018, 70, 496-508.	4.8	10
9	Extracting Courses of Vessels from AIS Data and Real-Time Warning Against Off-Course. , 2018, , .		9
10	Extracting route patterns of vessels from AIS data by using topic model. , 2017, , .		6
11	Voiced/unvoiced speech classification-based adaptive filtering of decomposed empirical modes for speech enhancement. <i>IET Signal Processing</i> , 2016, 10, 69-80.	1.5	21
12	Precise acquisition of global navigation satellite system signals in the presence of multipath and influence on tracking capability. <i>IET Radar, Sonar and Navigation</i> , 2015, 9, 790-801.	1.8	8
13	HHT-based audio coding. <i>Signal, Image and Video Processing</i> , 2015, 9, 107-115.	2.7	7
14	An AM-FM Based Image Segmentation: Detection of Clouds in MSG Images of Algeria. <i>International Review on Computers and Software</i> , 2015, 10, 789.	0.1	0
15	Speech enhancement using empirical mode decomposition and the Teager-Kaiser energy operator. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 451-459.	1.1	29
16	Image source detection for geoacoustic inversion by the Teager-Kaiser energy operator. <i>Journal of the Acoustical Society of America</i> , 2014, 135, EL258-EL264.	1.1	9
17	On the behavior of EMD and MEMD in presence of symmetric $\alpha$ -stable noise. <i>IEEE Signal Processing Letters</i> , 2014, , 1-1.	3.6	2
18	Analysis of multicomponent LFM signals by Teager Huang-Hough transform. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2014, 50, 1222-1233.	4.7	43

#	ARTICLE	IF	CITATIONS
19	-energy operator and cross-power spectral density. Signal Processing, 2014, 94, 236-240.	3.7	3
20	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
21	Audio Watermarking Via EMD. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 675-680.	3.2	82
22	Multicomponent AM-FM signals analysis based on EMD-B-splines ESA. Signal Processing, 2012, 92, 2214-2228.	3.7	38
23	VOICED SPEECH ENHANCEMENT BASED ON ADAPTIVE FILTERING OF SELECTED INTRINSIC MODE FUNCTIONS. Advances in Adaptive Data Analysis, 2010, 02, 65-80.	0.6	13
24	Relationships Between $\Psi_{tB}$ -Energy Operator and Some Time-Frequency Representations. IEEE Signal Processing Letters, 2010, 17, 527-530.	3.6	6
25	Some useful properties of cross-energy operator. AEU - International Journal of Electronics and Communications, 2009, 63, 728-735.	2.9	15
26	Teager-Kaiser Energy bi-level thresholding. , 2008, , .		4
27	Empirical Mode Decomposition and some operators to estimate Instantaneous Frequency: A comparative study. , 2008, , .		4
28	On the detection of transient signals using cross-&#x03A8;<inf>B</inf>-energy operator. , 2008, , .		0
29	An imroved image demodulation algorithm based on Teager-Kaiser operator. , 2008, , .		1
30	A new EMD denoising approach dedicated to voiced speech signals. , 2008, , .		16
31	Speech signal noise reduction by EMD. , 2008, , .		12
32	Speech Enhancement via EMD. Eurasip Journal on Advances in Signal Processing, 2008, 2008, , .	1.7	36
33	Image contrast enhancement based on 2D Teager-Kaiser operator. , 2008, , .		18
34	Cross $\hat{B}$ -energy operator-based signal detection. Journal of the Acoustical Society of America, 2008, 123, 4283-4289.	1.1	24
35	An Energy-Based Similarity Measure for Time Series. Eurasip Journal on Advances in Signal Processing, 2007, 2008, , .	1.7	30
36	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

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37	EMD-Based Signal Filtering. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2196-2202.	4.7	487
38	Functional segmentation of dynamic nuclear images by cross- $\hat{B}$ -energy operator. Computer Methods and Programs in Biomedicine, 2006, 84, 146-152.	4.7	16
39	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
40	Iterative estimation of Dempster-Shafer's basic probability assignment: application to multisensor image segmentation <a href="#">&lt;xref ref-type="fn" rid="FN1"&gt;*</a> <a href="#">&lt;/xref&gt;</a> . Optical Engineering, 2004, 43, 1293.	1.0	17
41	Temporal covariance analysis of first-pass contrast-enhanced myocardial magnetic resonance images. Computers in Biology and Medicine, 2001, 31, 133-142.	7.0	14
42	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