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Wavelet thresholding via a Bayesian approach

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309	Wavelets in Statistics: Some Recent Developments. **1998**, 15-26		2
308	Multiscale regularization in Besov spaces.		4
307	Wavelets in statistics: beyond the standard assumptions. **1999**, 357, 2459-2473		29
306	Image de-noising by integer wavelet transforms and generalized cross validation. **1999**, 26, 622-30		8
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302	Prior Elicitation in the Wavelet Domain. **1999**, 83-94		2
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300	Modeling Dependence in the Wavelet Domain. **1999**, 173-186		4
299	MCMC Methods in Wavelet Shrinkage: Non-Equally Spaced Regression, Density and Spectral Density Estimation. **1999**, 187-202		6
298	Empirical Bayesian Spatial Prediction Using Wavelets. **1999**, 203-222		2
297	Sequential Bayesian wavelet denoising.		1
296	.		4

295	Bayesian wavelet denoising using Besov priors.	
294	Model-Based and Wavelet Approaches to On-Line Fault Detection: Application to an Induction Drive. **2000**, 33, 1149-1154	
293	Fault Detection Using On-Line Wavelet Analysis: Application Induction Motor. **2000**, 33, 1125-1130	2
292	Almost Everywhere Behavior of General Wavelet Shrinkage Operators. **2000**, 9, 72-82	16
291	. **2000**, 46, 1778-1788	57
290	. **2000**, 46, 1811-1825	89
289	Optimization design of filter banks for wavelet denoising.	
288	Proceedings of the 2000 Congress on Evolutionary Computation. CEC00 (Cat. No.00TH8512). **2000**,	
287	High-resolution defect detection and noise reduction using wavelet methods for surface measurement. **2000**, 2, 538-545	5
286	Adaptive wavelet thresholding for image denoising and compression. **2000**, 9, 1532-46	1470
285	Deterministic/Stochastic Wavelet Decomposition for Recovery of Signal From Noisy Data. **2000**, 42, 262-276	23
284	Empirical Bayes Approach to Improve Wavelet Thresholding for Image Noise Reduction. **2001**, 96, 629-639	48
283	Bayesian tree-structured image modeling using wavelet-domain hidden Markov models. **2001**, 10, 1056-68	267
282	Multiscale image segmentation using wavelet-domain hidden Markov models. **2001**, 10, 1309-21	198
281	Thresholding neural network for adaptive noise reduction. **2001**, 12, 567-84	68
280	Wavelet-based MAP image denoising using provably better class of stochastic i.i.d. image models.	1
279	Wavelet-based image estimation: an empirical Bayes approach using Jeffrey's noninformative prior. **2001**, 10, 1322-31	156
278	Modeling the correlation structure of images in the wavelet domain.	

277	Bayesian wavelet denoising: Besov priors and non-Gaussian noises. **2001**, 81, 55-67		26
276	Multiscale Sharpening and Smoothing in Besov Spaces with Applications to Image Enhancement. **2001**, 11, 2-31		15
275	Regularization of Wavelet Approximations. **2001**, 96, 939-967		313
274	. **2001**, 17, 6-13		77
273	Bayesian wavelet shrinkage in transformation based normal models.		1
272	Bivariate shrinkage functions for wavelet-based denoising exploiting interscale dependency. **2002**, 50, 2744-2756		579
271	Multiresolution Markov models for signal and image processing. **2002**, 90, 1396-1458		173
270	Model-based and wavelet approaches to induction motor on-line fault detection. **2002**, 10, 493-509		38
269	Empirical Bayes approach to block wavelet function estimation. **2002**, 39, 435-451		38
268	Wavelet thresholding for some classes of non□Gaussian noise. **2002**, 56, 434-453		41
267	Posterior probability intervals for wavelet thresholding. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2002**, 64, 189-205	3.9	15
266	Denoising radiocommunications signals by using iterative wavelet shrinkage. **2002**, 51, 393-403		1
265	Combined wavelet domain and temporal video denoising.		23
264	Design of nonlinear adaptive digital filter by wavelet shrinkage. **2003**, 86, 59-71		1
263	Hybrid inter- and intra-wavelet scale image restoration. **2003**, 36, 1737-1746		24
262	Wavelet regression estimation in nonparametric mixed effect models. **2003**, 85, 267-291		20
261	A versatile wavelet domain noise filtration technique for medical imaging. **2003**, 22, 323-31		333
260	Image denoising using scale mixtures of Gaussians in the wavelet domain. **2003**, 12, 1338-51		1414

259	Fast GEM wavelet-based image deconvolution algorithm.		6
258	A Bayesian transformation model for wavelet shrinkage. **2003**, 12, 1512-21		7
257	Generalized Cross-Validation for Wavelet Shrinkage in Nonparametric Mixed Effects Models. **2003**, 12, 714-730		2
256	Bayesian Semiparametric Density Estimation and Model Verification Using a Logistic Gaussian Process. **2003**, 12, 548-565		16
255	Softening the multiscale product method for adaptive noise reduction.		
254	Arcing fault detection using wavelet transform. **2003**, 36, 345-350		5
253	Bayesian Multiscale Methods for Poisson Count Data. **2003**, 89-102		1
252	An extended sure approach for multicomponent image denoising.		5
251	Model Uncertainty. **2004**, 19, 81		254
250	On Optimality of Bayesian Wavelet Estimators. **2004**, 31, 217-234		21
249	Bayesian variable selection and regularization for time-frequency surface estimation. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2004**, 66, 575-589	3.9	68
248	Real nonparametric regression using complex wavelets. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2004**, 66, 927-939	3.9	31
247	Modeling microarray data using a threshold mixture model. **2004**, 60, 376-87		11
246	Wavelet based denoising integrated into multilayered perceptron. **2004**, 62, 179-196		15
245	Thresholding procedure with priors based on Pareto distributions. **2004**, 13, 213-246		2
244	Bayesian wavelet denoising and evolutionary calibration. **2004**, 14, 566-589		6
243	Polynomial wavelet regression for images with irregular boundaries. **2004**, 13, 773-81		3
242	Empirical Bayes approach to wavelet regression using ?-contaminated priors. **2004**, 74, 741-764		4

241	AMlet, RAMlet, and GAMlet: Automatic Nonlinear Fitting of Additive Models, Robust and Generalized, With Wavelets. **2004**, 13, 283-309		22
240	Wavelet-based removal of sinusoidal interference from a signal. **2004**, 15, 1779-1786		14
239	Wavelet Bayesian Block Shrinkage via Mixtures of Normal-Inverse Gamma Priors. **2004**, 13, 383-398		17
238	Behavioral and autonomic dynamics during contextual fear conditioning in mice. **2004**, 115, 15-27		36
237	A comparative evaluation of wavelet-based methods for hypothesis testing of brain activation maps. *NeuroImage*, **2004**, 23, 1112-28	7.9	34
236	ACCURATE SIGNAL ESTIMATION NEAR DISCONTINUITIES. **2004**, 02, 433-453		1
235	Torsional Vibration Detection Using Torque Measurement of a Main Drive of a Hot Rolling Mill with Wavelet Transform. **2004**, 37, 119-124		1
234	Empirical Bayes selection of wavelet thresholds. **2005**, 33, 1700		178
233	WAVELETS IN MULTI-STEP-AHEAD FORECASTING. **2005**, 38, 36-41		
232	Bayesian Modeling in the Wavelet Domain. **2005**, 315-338		2
231	Wavelet estimation of a multifractal function. **2005**, 11, 221		3
230	Wavelet thresholding with bayesian false discovery rate control. **2005**, 61, 25-35		13
229	On the posterior median estimators of possibly sparse sequences. **2005**, 57, 315-351		1
228	Statistical Modeling of Photographic Images. **2005**, 431-441		40
227	IMAGE DE-NOISING USING DOUBLE DENSITY WAVELET TRANSFORM BASED ADAPTIVE THRESHOLDING TECHNIQUE. **2005**, 03, 141-152		16
226	Evaluating SAR images based on the statistic characteristic of the wavelet coefficients.		
225	Wavelet domain denoising of multispectral remote sensing imagery adapted to the local spatial and spectral context. **2005**,		5
224	A wavelet-domain Markov model for volatility clustering. **2005**,		

223	Adaptive Filtering Based on the Wavelet Transform for FOG on the Moving Base. **2005**, 447-455		5
222	Bayesian denoising based on the MAP estimation in wavelet-domain using Bessel K form prior. **2005**,		9
221	Analytical form for a Bayesian wavelet estimator of images using the Bessel K form densities. **2005**, 14, 231-40		76
220	Building robust wavelet estimators for multicomponent images using Stein's principle. **2005**, 14, 1814-30		59
219	Wavelet-based reconstruction for limited-angle X-ray tomography. **2006**, 25, 210-7		95
218	Computational Forecasting of Wavelet-converted Monthly Sunspot Numbers. **2006**, 33, 925-941		1
217	Total Variation-Based Image Deconvolution: a Majorization-Minimization Approach.		64
216	Estimating the probability of the presence of a signal of interest in multiresolution single- and multiband image denoising. **2006**, 15, 654-65		237
215	Bayesian wavelet-based image deconvolution: a GEM algorithm exploiting a class of heavy-tailed priors. **2006**, 15, 937-51		112
214	. **2006**, 54, 2922-2928		6
213	Image Restoration by Lifting-Based Wavelet Domain E-Median Filter. **2006**, 28, 51-58		7
212	Frequentist optimality of Bayesian wavelet shrinkage rules for Gaussian and non-Gaussian noise. **2006**, 34, 769		10
211	Multiscale Poisson data smoothing. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2006**, 68, 27-48	3.9	31
210	Wavelet-based functional mixed models. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2006**, 68, 179-199	3.9	215
209	Functional clustering by Bayesian wavelet methods. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2006**, 68, 305-332	3.9	76
208	Bayesian sigmoid shrinkage with improper variance priors and an application to wavelet denoising. **2006**, 51, 1232-1242		14
207	Testing in mixed-effects FANOVA models. **2006**, 136, 4326-4348		39
206	Improved Bayesian image denoising based on wavelets with applications to electron microscopy. **2006**, 39, 1205-1213		20

205	A closed-form nonparametric Bayesian estimator in the wavelet domain of images using an approximate □stable prior. **2006**, 27, 1370-1382	38
204	Surfing the brain. **2006**, 25, 65-78	25
203	Bayesian wavelet estimation of partially linear models. **2006**, 76, 605-617	3
202	Pointwise Bayesian Credible Intervals for Regularized Linear Wavelet Estimators. **2006**, 35, 61-77	
201	Multivariate Quasi-Laplacian Mixture Models Forwavelet-Based Image Denoising. **2006**,	5
200	Estimating hyperparameters of mixture prior using hypothesis-testing problem and its applications to Bayesian image denoising. **2007**, 16, 043015	1
199	Measure of the electroencephalographic effects of sevoflurane using recurrence dynamics. **2007**, 424, 47-50	25
198	Modeling Occlusion and Scaling in Natural Images. **2007**, 6, 105-134	14
197	The SURE-LET approach to image denoising. **2007**, 16, 2778-86	221
196	Image denoising by averaging of piecewise constant simulations of image partitions. **2007**, 16, 523-33	8
195	Effective Denoising of 2D Gel Proteomics Images using Contourlets. **2007**,	5
194	A method of image noise reduction based on multiwavelet transform and multiscale data fusion. **2007**,	
193	Building Fuzzy OLAP Using Multi-attribute Summarization. **2007**,	7
192	A new SURE approach to image denoising: interscale orthonormal wavelet thresholding. **2007**, 16, 593-606	364
191	Estimation and inference in functional mixed-effects models. **2007**, 51, 4793-4813	58
190	Wavelet-based minimal-energy approach to image restoration. **2007**, 23, 114-130	5
189	An elliptically contoured exponential mixture model for wavelet based image denoising. **2007**, 23, 131-151	18
188	Image denoising algorithm using doubly local Wiener filtering with block-adaptive windows in wavelet domain. **2007**, 87, 1721-1734	15

187	The BKF Bayesian wavelet estimator. **2007**, 87, 2268-2271		8
186	Bayesian wavelet packet denoising for structural system identification. **2007**, 14, 333-356		145
185	Pointwise optimality of Bayesian wavelet estimators. **2007**, 59, 425-434		4
184	Denoising of multicomponent images using wavelet least-squares estimators. **2008**, 26, 1038-1051		22
183	Some challenges for statistics. **2008**, 17, 167-181		2
182	Bayesian automatic polynomial wavelet regression. **2008**, 138, 2303-2312		2
181	Larger posterior mode wavelet thresholding and applications. **2008**, 138, 3758-3773		12
180	A nonparametric regression cross spectrum for multivariate time series. **2008**, 99, 684-714		2
179	Wavelet estimation by Bayesian thresholding and model selection. **2008**, 44, 2288-2297		3
178	A wavelet- or lifting-scheme-based imputation method. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2008**, 70, 567-587	3.9	3
177	Context adaptive image denoising through modeling of curvelet domain statistics. **2008**, 17, 033021		25
176	Bayesian wavelet-based image denoising using the Gauss-Hermite expansion. **2008**, 17, 1755-71		27
175	SURE-LET multichannel image denoising: interscale orthonormal wavelet thresholding. **2008**, 17, 482-92		84
174	Optimal denoising in redundant representations. **2008**, 17, 1342-52		37
173	Simple and efficient algorithm for distributed compressed sensing. **2008**,		3
172	Image Denoising in the Wavelet Transform Domain Based on Stein's Principle. **2008**,		
171	Discussion: One-step sparse estimates in nonconcave penalized likelihood models: Who cares if it is a white cat or a black cat?. **2008**, 36,		5
170	Regression in random design and Bayesian warped wavelets estimators. **2009**, 3,		5

169	Comparison of Permutation Entropy Index and Bispectral Index for Monitoring Effects of Anesthetic Drugs to Brain Activity. **2009**,		3
168	Generalized fiducial inference for wavelet regression. **2009**, 96, 847-860		33
167	Saddlepoint approximation for mixture models. **2009**, 96, 479-486		4
166	MULTIWAVELETS AND APPLICATIONS TO IMAGE DENOISING WITH EFFECTIVE ITERATION METHOD. **2009**, 07, 535-551		8
165	Locally Adaptive Tree-Based Thresholding. **2009**, 18, 961-977		7
164	On the Uniform Quantization of a Class of Sparse Sources. **2009**, 55, 3243-3263		13
163	Cross-validated wavelet shrinkage. **2009**, 24, 497-512		4
162	Improving 2-DE gel image denoising using contourlets. **2009**, 9, 3877-88		16
161	Multiscale methods for data on graphs and irregular multidimensional situations. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2009**, 71, 97-125	3.9	50
160	Bayesian wavelet-based analysis of functional magnetic resonance time series. **2009**, 27, 460-9		4
159	Wavelet denoising techniques with applications to experimental geophysical data. **2009**, 89, 144-160		65
158	. **2009**, 57, 3347-3360		23
157	Image denoising using mixtures of projected Gaussian Scale Mixtures. **2009**, 18, 1689-702		26
156	An Improved Algorithm Based on EMD-Wavelet for ECG Signal De-noising. **2009**,		18
155	Noiseless Codelength in Wavelet Denoising. **2010**, 2010,		
154	Wavelet-encoding gradient-echo imaging sequence using real-time de-noising method for acquisition time reduction. **2010**, 23, 197-201		1
153	Image denoising employing local mixture models in sparse domains. **2010**, 4, 413		28
152	Spike detection in human muscle sympathetic nerve activity using a matched wavelet approach. **2010**, 193, 343-55		51

151	Automated breast cancer detection and classification using ultrasound images: A survey. **2010**, 43, 299-317	419
150	Multiscale Statistical Models for Hierarchical Spatial Aggregation. **2010**, 33, 95-118	36
149	Gaussian process based bayesian semiparametric quantitative trait Loci interval mapping. **2010**, 66, 222-32	2
148	Wavelet-Based Denoising for Traffic Volume Time Series Forecasting with Self-Organizing Neural Networks. **2010**, 25, 530-545	87
147	On Bayesian testimation and its application to wavelet thresholding. **2010**, 97, 181-198	13
146	MAP versus MMSE Estimation. **2010**, 201-225	
145	Closed-Form MMSE Estimation for Signal Denoising Under Sparse Representation Modeling Over a Unitary Dictionary. **2010**, 58, 3471-3484	49
144	Noise Invalidation Denoising. **2010**, 58, 6007-6016	16
143	Using bivariate Gaussian distribution for image denoising in the 2-D complex wavelet domain. **2010**,	
142	An improved algorithm of Bayesian shrink threshold in image denoising. **2010**,	
141	Wavelets, curvelets and wave atoms for image denoising. **2010**,	4
140	Audio information hiding based on distance metric. **2010**,	
139	Wavelet-Based Improvement for Channel Estimation in a Power-Line Communication Environment Impaired by Impulsive Noise. **2010**,	
138	Adaptive image denoising by rigorous Bayesshrink thresholding. **2011**,	1
137	A Novel Technique for Transmission of M-Ary Signal through Wireless Fading Channel Using Wavelet Denoising. **2011**, 2011, 1-10	1
136	EMAT noise suppression using information fusion in stationary wavelet packets. **2011**, 58, 1027-36	8
135	Hierarchical wavelet modelling of environmental sensor data. **2011**, 25,	
134	Wavelet-based regularization and edge preservation for submillimetre 3D list-mode reconstruction data from a high resolution small animal PET system. **2011**, 652, 798-801	5

133	Frame-Based Time-Scale Filters for Underwater Acoustic Noise Reduction. **2011**, 36, 285-297		8
132	On the estimation of the function and its derivatives in nonparametric regression: A bayesian testimation approach. **2011**, 73, 231-244		3
131	Comparative analysis of two classes of image filtration algorithms. **2011**, 47, 12-22		1
130	Estimation of optimal threshold values in algorithms of wavelet filtration of images. **2011**, 47, 105-113		1
129	Audio steganalysis of spread spectrum information hiding based on statistical moment and distance metric. **2011**, 55, 525-556		4
128	Efficient Bayesian analysis of multiple changepoint models with dependence across segments. **2011**, 21, 217-229		18
127	Entropy-based correlated shrinkage of spatial random processes. **2011**, 25, 389-402		3
126	On posterior distribution of Bayesian wavelet thresholding. **2011**, 141, 318-324		9
125	Applying wavelet-based functional approach in modelling tree taper. **2011**, 68, 1039-1048		1
124	Stochastic expansions using continuous dictionaries: L□y adaptive regression kernels. **2011**, 39,		10
123	Does history repeat itself? Wavelets and the phylodynamics of influenza A. **2012**, 29, 1367-77		1
122	On asymptotically optimal wavelet estimation of trend functions under long-range dependence. **2012**, 18,		6
121	Bayesian Nonparametric Shrinkage Applied to Cepheid Star Oscillations. **2012**, 27, 3-10		2
120	Adaptive wavelet methods for the stochastic Poisson equation. **2012**, 52, 589-614		8
119	A trimmed translation-invariant denoising estimator. **2012**, 82, 1299-1310		0
118	Bayesian hierarchical multi-subject multiscale analysis of functional MRI data. *NeuroImage*, **2012**, 63, 1519-31	7.9	20
117	Wavelets for Regression and Other Statistical Problems. **2012**, 159-191		
116	Empirical Study of Wavelet Domain Image Joint Statistics and Proposition of an Efficient Correlation Map. **2012**, 43, 24-38		

115	De-noising option prices with the wavelet method. **2012**, 222, 104-112	59
114	Bootstrap testing for discontinuities under long-range dependence. **2012**, 105, 322-347	1
113	Remote-Sensing Image Denoising Using Partial Differential Equations and Auxiliary Images as Priors. **2012**, 9, 358-362	50
112	Construction of wavelet filtration algorithms with two-parameter threshold functions. **2012**, 48, 9-17	1
111	Priors for Bayesian adaptive spline smoothing. **2012**, 64, 577-613	13
110	Wavelet-based denoising: A brief review. **2013**,	11
109	Image fusion technique using multivariate statistical model for wavelet coefficients. **2013**, 7, 355-365	8
108	Image noise reduction via geometric multiscale ridgelet support vector transform and dictionary learning. **2013**, 22, 4161-9	23
107	Feature extraction across individual time series observations with spikes using wavelet principal component analysis. **2013**, 32, 3660-9	11
106	Wavelet-based clustering for mixed-effects functional models in high dimension. **2013**, 69, 31-40	49
105	Full Bayesian wavelet inference with a nonparametric prior. **2013**, 143, 55-62	1
104	. **2013**, 61, 1880-1894	27
103	Consciousness and depth of anesthesia assessment based on Bayesian analysis of EEG signals. **2013** , 60, 1488-98	27
102	Mathematical Concepts. **2013**, 107-208	
101	. **2013**, 57, 404-416	4
100	Signal Estimation Using Wavelet Analysis of Solution Monitoring Data for Nuclear Safeguards. **2013** , 2, 44-57	1
99	Bayesian Optimal Adaptive Estimation Using a Sieve Prior. **2013**, 40, 549-570	23
98	Sparse Semiparametric Nonlinear Model with Application to Chromatographic Fingerprints. **2014**, 109, 1339-1349	1

97	Probability density of the empirical wavelet coefficients of a noisy chaos. **2014**, 276, 28-47	4
96	Adaptive Bayesian Denoising for General Gaussian Distributed Signals. **2014**, 62, 1147-1156	11
95	Multi-scale discriminant saliency with wavelet-based Hidden Markov Tree modelling. **2014**, 40, 1376-1389	
94	MMSE based map estimation for image denoising. **2014**, 57, 252-264	12
93	Image denoising with 2D scale-mixing complex wavelet transforms. **2014**, 23, 5165-74	26
92	A bit allocation method for sparse source coding. **2014**, 23, 137-52	8
91	Adaptive rates of contraction of posterior distributions in Bayesian wavelet regression. **2014**, 145, 92-101	3
90	Wavelet Denoising of TSD Deflection Slope Measurements for Improved Pavement Structural Evaluation. **2014**, 29, 399-415	30
89	Image denoising using orthonormal wavelet transform with stein unbiased risk estimator. **2014**,	
88	Bayesian Variable Selection and Estimation for Group Lasso. **2015**, 10,	64
87	Normal Inverse Gaussian Model-Based Image Denoising in the NSCT Domain. **2015**, 2015, 1-13	
86	Wavelet Shrinkage with Double Weibull Prior. **2015**, 44, 88-104	8
85	Improving the quality of medical images in shearlet domain. **2015**,	2
84	Increasing the Quality of Medical Images Based on the Combination of Filters in Ridgelet Domain. **2015**, 320-331	6
83	A survey of edge-preserving image denoising methods. **2016**, 18, 159-170	68
82	Bayesian denoising of white light interference signal in rough surface measurement. **2016**, 61, 01002	
81	Edge Detection in Low Quality Medical Images. **2016**, 351-362	1
80	Bayesian Clustering of Functional Data Using Local Features. **2016**, 11,	12

79	Compressed sensing based remote sensing image reconstruction via employing similarities of reference images. **2016**, 75, 12201-12225	9
78	Wavelet shrinkage of a noisy dynamical system with non-linear noise impact. **2016**, 325, 126-145	6
77	Optimal sub-band adaptive thresholding based edge preserved satellite image denoising using adaptive differential evolution algorithm. **2016**, 174, 698-721	40
76	Rough differential equations driven by signals in Besov spaces. **2016**, 260, 5202-5249	16
75	A new Bayesian wavelet thresholding estimator of nonparametric regression. **2017**, 44, 649-666	4
74	Bayesian Wavelet Analysis Using Nonlocal Priors with an Application to fMRI Analysis. **2017**, 79, 361-388	3
73	A Nonmodel Dual-Tree Wavelet Thresholding for Image Denoising Through Noise Variance Optimization Based on Improved Chaotic Drosophila Algorithm. **2017**, 31, 1754015	9
72	Image Denoising Algorithms: From Wavelet Shrinkage to Nonlocal Collaborative Filtering. **2017**, 1-17	9
71	Nonlinear wavelet shrinkage estimator of nonparametric regularity regression function via cross-validation with simulation study. **2017**, 15, 1750057	
70	Translation invariant multi-scale signal denoising based on goodness-of-fit tests. **2017**, 131, 220-234	14
69	Adaptive Bernstein–von Mises theorems in Gaussian white noise. **2017**, 45,	14
68	Statistical process control procedures for functional data with systematic local variations. **2018**, 50, 448-462	2
67	Simultaneous estimation of deterministic and fractal stochastic components in non-stationary time series. **2018**, 374-375, 45-57	3
66	Robust fuzzy c-means clustering algorithm using non-parametric Bayesian estimation in wavelet transform domain for noisy MR brain image segmentation. **2018**, 12, 652-660	19
65	CT image denoising using locally adaptive shrinkage rule in tetrolet domain. **2018**, 30, 41-50	10
64	On the Construction of Stochastic Fields with Prescribed Regularity by Wavelet Expansions. **2018**, 46, 557-577	
63	Efficient Functional ANOVA Through Wavelet-Domain Markov Groves. **2018**, 113, 802-818	4
62	Empirical Bayes Estimators for Sparse Sequences. **2018**,	

61	Dual tree complex wavelet transform-based signal denoising method exploiting neighbourhood dependencies and goodness-of-fit test. **2018**, 5, 180436		6
60	Locally Adaptive Smoothing with Markov Random Fields and Shrinkage Priors. **2018**, 13, 225-252		21
59	Dynamic shrinkage processes. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2019**, 81, 781-804	3.9	25
58	Lossy Compression of Noisy Sparse Sources Based on Syndrome Encoding. **2019**, 67, 7073-7087		10
57	Empirical Bayes estimators for high-dimensional sparse vectors. **2019**,		
56	A comprehensive survey on impulse and Gaussian denoising filters for digital images. **2019**, 157, 236-260		58
55	A Bayesian approach to sequential monitoring of nonlinear profiles using wavelets. **2019**, 35, 761-775		5
54	Optimized Wavelet-Based Satellite Image De-Noising With Multi-Population Differential Evolution-Assisted Harris Hawks Optimization Algorithm. **2020**, 8, 133076-133085		20
53	Bayesian wavelet shrinkage with logistic prior. **2020**, 1-15		
52	A Step-Down Test Procedure for Wavelet Shrinkage Using Bootstrapping. **2020**, 8, 174763-174772		1
51	Computationally efficient Bayesian sequential function monitoring. **2020**, 1-19		0
50	Adaptive Filter with Type-2 Fuzzy System and Optimization-Based Kernel Interpolation for Satellite Image Denoising. **2020**, 63, 913-926		2
49	Implementation of Signal Processing Algorithms on Epileptic EEG Signals. **2020**, 367-376		
48	A new SAR image despeckling using correlation based fusion and method noise thresholding. **2021**, 33, 313-328		11
47	Bayesian spatial and spatiotemporal models based on multiscale factorizations. **2021**, 13, e1509		1
46	A statistical approach to signal denoising based on data-driven multiscale representation. **2021**, 108, 102896		6
45	Bayesian wavelet shrinkage with beta priors. **2021**, 36, 1341-1363		2
44	Bayesian change point detection for functional data. **2021**, 213, 193-205		1

43	Functional Regression for Densely Observed Data With Novel Regularization. **2021**, 30, 220-235	1
42	Soft computing model coupled with statistical models to estimate future of stock market. **2021**, 33, 7629-76476	
41	V-Spline: An Adaptive Smoothing Spline for Trajectory Reconstruction. **2021**, 21,	1
40	Estimation of nonparametric regression models by wavelets. 1	
39	HAPPILEE: The Harvard Automated Processing Pipeline In Low Electrode Electroencephalography, a standardized software for low density EEG and ERP data.	0
38	Reconstruction of functions from prescribed proximal points. **2021**, 268, 105606	2
37	Learning Asymmetric and Local Features in Multi-Dimensional Data through Wavelets with Recursive Partitioning. **2021**, PP,	2
36	Wavelet Statistical Models and Besov Spaces. **2003**, 9-29	5
35	Multiscale Hidden Markov Models for Bayesian Image Analysis. **1999**, 243-265	13
34	Bayesian Denoising of Visual Images in the Wavelet Domain. **1999**, 291-308	87
33	Empirical Bayes Estimation in Wavelet Nonparametric Regression. **1999**, 309-322	22
32	Bayesian Approach to Wavelet Decomposition and Shrinkage. **1999**, 33-50	9
31	Adaptive Wavelet Methods for SPDEs. **2014**, 83-107	1
30	Enhancing the Quality of Medical Image Database Based on Kernels in Bandelet Domain. **2015**, 226-241	3
29	CT Image Denoising Based on Thresholding in Shearlet Domain. **2018**, 11, 671-677	4
28	Nonlinear estimation over weak Besov spaces and minimax Bayes method. **2006**, 12,	9
27	Besov priors for Bayesian inverse problems. **2012**, 6, 183-200	44
26	Non-Gaussian statistical inverse problems. Part I: Posterior distributions. **2012**, 6, 215-266	26

25	The Combination of Adaptive Filters to Improve the Quality of Medical Images in New Wavelet Domain. 46-76		1
24	Multiscale Statistical Models. **2003**, 249-259		
23	A Fast GEM Algorithm for Bayesian Wavelet-Based Image Restoration Using a Class of Heavy-Tailed Priors. **2003**, 407-420		1
22	Function Spaces Based on Wavelet Expansions. **2004**, 157-177		
21	Capturing Visual Image Properties with Probabilistic Models. **2009**, 205-223		3
20	Minimum Mean Square Error Estimator for Shearlet Coefficients Reconstruction. **2012**, 737-744		
19	Bayesian Wavelet Shrinkage Strategies: A Review. **2013**, 317-346		2
18	Multiscale Discriminant Saliency for Visual Attention. **2013**, 464-484		
17	Image Denoising Method for Unknown Noise Based on 2-D FWT with Optimal Fractional Order. **2014**, 9,		
16	Piecewise Image Denoising with Multi-scale Block Region Detector based on Quadtree Structure. **2015**, 20, 521-532		
15	Wavelet Shrinkage. **2017**, 37-49		
14	The Combination of Adaptive Filters to Improve the Quality of Medical Images in New Wavelet Domain. **2017**, 1935-1966		
13	Unsupervised Machine Learning Algorithm for MRI Brain Image Processing. **2019**, 685-693		1
12	Wavelet Packet Based CT Image Denoising Using Bilateral Method and Bayes Shrinkage Rule. **2019**, 501-511		2
11	A Variational Inequality Model for the Construction of Signals from Inconsistent Nonlinear Equations. *SIAM Journal on Imaging Sciences*, **2022**, 15, 84-109	1.9	0
10	Patch-Based Image Restoration Using Expectation Propagation. *SIAM Journal on Imaging Sciences*, **2022**, 15, 192-227	1.9	1
9	Soft thresholding wavelet shrinkage estimation for mean matrix of matrix-variate normal distribution: low and high dimensional. *Soft Computing*, 1	3.5	
8	Sequential MCMC Methods for Audio Signal Enhancement. **2022**,		

7	MSPB: intelligent SAR despeckling using wavelet thresholding and bilateral filter for big visual radar data restoration and provisioning quality of experience in real-time remote sensing. *Environment, Development and Sustainability*,	4.5	1
6	Optimal convergence rates of Bayesian wavelet estimation with a novel empirical prior in nonparametric regression model. *Statistics*, 1-13	0.5	
5	HAPPILEE: HAPPE In Low Electrode Electroencephalography, a standardized pre-processing software for lower density recordings. *NeuroImage*, **2022**, 260, 119390	7.9	0
4	Asymmetric Prior in Wavelet Shrinkage. **2022**, 45, 41-63		0
3	Random tree Besov priors □Towards fractal imaging. **2022**, 0-0		0
2	Classification of cow diet based on milk Mid Infrared Spectra: A data analysis competition at the □International Workshop on Spectroscopy and Chemometrics 2022□**2023**, 234, 104755		0
1	Bayesian clustering of spatial functional data with application to a human mobility study during COVID-19. **2023**, 17,		0