

AgustÃ-n Mayo Ãscar

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

3,191
citations

218381

26
h-index

168136

53
g-index

104
all docs

104
docs citations

104
times ranked

3784
citing authors

#	ARTICLE	IF	CITATIONS
1	Constrained parsimonious model-based clustering. <i>Statistics and Computing</i> , 2022, 32, 2.	0.8	11
2	Modifiable Determinants of Satisfaction with Intravitreal Treatment in Patients with Neovascular Age-Related Macular Degeneration. <i>Drugs and Aging</i> , 2022, , 1.	1.3	0
3	Quality of Life in Women over 65 Years of Age Diagnosed with Osteoporosis. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 5745.	1.2	1
4	Novel Prehospital Phenotypes and Outcomes in Adult-Patients with Acute Disease. <i>Journal of Medical Systems</i> , 2022, 46, .	2.2	1
5	Parameter Choice, Stability and Validity for Robust Cluster Weighted Modeling. <i>Stats</i> , 2021, 4, 602-615.	0.5	6
6	Delayed Neurological Improvement After Full Endovascular Reperfusion in Acute Anterior Circulation Ischemic Stroke. <i>Stroke</i> , 2021, 52, 2210-2217.	1.0	9
7	Robust fuzzy clustering of time series based on B-splines. <i>International Journal of Approximate Reasoning</i> , 2021, 136, 223-246.	1.9	16
8	Cluster analysis with cellwise trimming and applications for the robust clustering of curves. <i>Information Sciences</i> , 2021, 573, 100-124.	4.0	3
9	Time Series, Spectral Densities and Robust Functional Clustering. <i>Neural Processing Letters</i> , 2020, 52, 135-152.	2.0	0
10	Trapeziometacarpal total joint arthroplasty for osteoarthritis: 199 patients with a minimum of 10 years follow-up. <i>Journal of Hand Surgery: European Volume</i> , 2020, 45, 443-451.	0.5	26
11	The Prognostic Value of Prehospital Blood Lactate Levels to Predict Early Mortality in Acute Cardiovascular Disease. <i>Shock</i> , 2020, 53, 164-170.	1.0	11
12	Characterization of Hearing Loss in Adult Patients With Nondialysis Chronic Kidney Disease. <i>Otology and Neurotology</i> , 2020, 41, e776-e782.	0.7	6
13	Effectiveness of a Physical Therapeutic Exercise Programme for Caregivers of Dependent Patients: A Pragmatic Randomised Controlled Trial from Spanish Primary Care. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7359.	1.2	5
14	optimalFlow: optimal transport approach to flow cytometry gating and population matching. <i>BMC Bioinformatics</i> , 2020, 21, 479.	1.2	9
15	Model-based clustering with determinant-and-shape constraint. <i>Statistics and Computing</i> , 2020, 30, 1363-1380.	0.8	5
16	Pain Neuroscience Education and Physical Therapeutic Exercise for Patients with Chronic Spinal Pain in Spanish Physiotherapy Primary Care: A Pragmatic Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2020, 9, 1201.	1.0	42
17	A Multicenter Observational Prospective Cohort Study of Association of the Prehospital National Early Warning Score 2 and Hospital Triage with Early Mortality. <i>Emergency Medicine International</i> , 2019, 2019, 1-8.	0.3	10
18	Statin intake can decrease acute pancreatitis severity. <i>Pancreatology</i> , 2019, 19, 807-812.	0.5	6

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19	Accuracy of National Early Warning Score 2 (NEWS2) in Prehospital Triage on In-Hospital Early Mortality: A Multi-Center Observational Prospective Cohort Study. <i>Prehospital and Disaster Medicine</i> , 2019, 34, 610-618.	0.7	24
20	Pain neuroscience education and physical exercise for patients with chronic spinal pain in primary healthcare: a randomised trial protocol. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 505.	0.8	24
21	Special issue on "Advances on model-based clustering and classification". <i>Advances in Data Analysis and Classification</i> , 2019, 13, 1-5.	0.9	4
22	Robust clustering for functional data based on trimming and constraints. <i>Advances in Data Analysis and Classification</i> , 2019, 13, 201-225.	0.9	12
23	Prognostic value of lactate in prehospital care as a predictor of early mortality. <i>American Journal of Emergency Medicine</i> , 2019, 37, 1627-1632.	0.7	25
24	Analysis of the early warning score to detect critical or high-risk patients in the prehospital setting. <i>Internal and Emergency Medicine</i> , 2019, 14, 581-589.	1.0	23
25	Robust clustering tools based on optimal transportation. <i>Statistics and Computing</i> , 2019, 29, 139-160.	0.8	15
26	Comments on "The power of monitoring: how to make the most of a contaminated multivariate sample". <i>Statistical Methods and Applications</i> , 2018, 27, 605-608.	0.7	1
27	A reweighting approach to robust clustering. <i>Statistics and Computing</i> , 2018, 28, 477-493.	0.8	19
28	Finding the Number of Normal Groups in Model-Based Clustering via Constrained Likelihoods. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 404-416.	0.9	43
29	Eigenvalues and constraints in mixture modeling: geometric and computational issues. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 203-233.	0.9	14
30	Development of a new algorithm based on FDT Matrix perimetry and SD-OCT to improve early glaucoma detection in primary care. <i>Clinical Ophthalmology</i> , 2018, Volume 13, 33-42.	0.9	10
31	A new dimensional-reducing variable obtained from original inflammatory scores is highly associated to morbidity after curative surgery for colorectal cancer. <i>International Journal of Colorectal Disease</i> , 2018, 33, 1225-1234.	1.0	6
32	Robust, fuzzy, and parsimonious clustering, based on mixtures of Factor Analyzers. <i>International Journal of Approximate Reasoning</i> , 2018, 94, 60-75.	1.9	4
33	Robust estimation of mixtures of regressions with random covariates, via trimming and constraints. <i>Statistics and Computing</i> , 2017, 27, 377-402.	0.8	19
34	Evaluación de la obstrucción nasal mediante rinomanometría y escalas subjetivas y medición del éxito terapéutico médico y quirúrgico. <i>Acta Otorrinolaringológica Española</i> , 2017, 68, 145-150.	0.2	12
35	Reading Performance Improvements in Patients with Central Vision Loss without Age-Related Macular Degeneration after Undergoing Personalized Rehabilitation Training. <i>Current Eye Research</i> , 2017, 42, 1260-1268.	0.7	5
36	Fitting parabolas in noisy images. <i>Computational Statistics and Data Analysis</i> , 2017, 112, 80-87.	0.7	6

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37	Robust Fuzzy Clustering via Trimming and Constraints. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 197-204.	0.5	2
38	A fuzzy approach to robust regression clustering. <i>Advances in Data Analysis and Classification</i> , 2017, 11, 691-710.	0.9	9
39	Robust Clustering for Time Series Using Spectral Densities and Functional Data Analysis. <i>Lecture Notes in Computer Science</i> , 2017, , 142-153.	1.0	1
40	The joint role of trimming and constraints in robust estimation for mixtures of Gaussian factor analyzers. <i>Computational Statistics and Data Analysis</i> , 2016, 99, 131-147.	0.7	16
41	The influence of the refractive correction on the vision-related quality of life in keratoconus patients. <i>Quality of Life Research</i> , 2016, 25, 1043-1051.	1.5	31
42	The PARP inhibitor olaparib enhances the sensitivity of Ewing sarcoma to trabectedin. <i>Oncotarget</i> , 2015, 6, 18875-18890.	0.8	74
43	Comments on: Multivariate functional outlier detection. <i>Statistical Methods and Applications</i> , 2015, 24, 233-235.	0.7	1
44	Avoiding spurious local maximizers in mixture modeling. <i>Statistics and Computing</i> , 2015, 25, 619-633.	0.8	45
45	A constrained robust proposal for mixture modeling avoiding spurious solutions. <i>Advances in Data Analysis and Classification</i> , 2014, 8, 27-43.	0.9	20
46	How To Reduce the Laparoscopic Colorectal Learning Curve. <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2014, 18, e2014.00321.	0.5	8
47	On the breakdown behavior of the TCLUS clustering procedure. <i>Test</i> , 2013, 22, 466-487.	0.7	14
48	A fast algorithm for robust constrained clustering. <i>Computational Statistics and Data Analysis</i> , 2013, 61, 124-136.	0.7	46
49	Comments on: model-based clustering and classification with non-normal mixture distributions. <i>Statistical Methods and Applications</i> , 2013, 22, 459-461.	0.7	0
50	Design and Evaluation of a Customized Reading Rehabilitation Program for Patients with Age-related Macular Degeneration. <i>Ophthalmology</i> , 2013, 120, 151-159.	2.5	29
51	Robust constrained fuzzy clustering. <i>Information Sciences</i> , 2013, 245, 38-52.	4.0	23
52	Periodic gastroenterology and hepatology meetings with primary care: reasons for consultation. <i>Revista Espanola De Enfermedades Digestivas</i> , 2013, 105, 521-528.	0.1	5
53	Grouping Around Different Dimensional Affine Subspaces. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2013, , 131-139.	0.1	0
54	Scleral changes induced by atropine in chicks as an experimental model of myopia. <i>Ophthalmic and Physiological Optics</i> , 2012, 32, 478-484.	1.0	39

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55	The influence function of the TCLUST robust clustering procedure. <i>Advances in Data Analysis and Classification</i> , 2012, 6, 107-130.	0.9	10
56	tclust : An R Package for a Trimming Approach to Cluster Analysis. <i>Journal of Statistical Software</i> , 2012, 47, .	1.8	78
57	Ocular Mucin Gene Expression Levels as Biomarkers for the Diagnosis of Dry Eye Syndrome. , 2011, 52, 8363.		85
58	Exploring the number of groups in robust model-based clustering. <i>Statistics and Computing</i> , 2011, 21, 585-599.	0.8	77
59	A review of robust clustering methods. <i>Advances in Data Analysis and Classification</i> , 2010, 4, 89-109.	0.9	161
60	Retinopathy Online Challenge: Automatic Detection of Microaneurysms in Digital Color Fundus Photographs. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 185-195.	5.4	414
61	Discussion: The forward search: Theory and data analysis. <i>Journal of the Korean Statistical Society</i> , 2010, 39, 135-136.	0.3	0
62	Robust clusterwise linear regression through trimming. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 3057-3069.	0.7	58
63	Corneal Light Transmission and Roughness After Refractive Surgery. <i>Optometry and Vision Science</i> , 2010, 87, E469-E474.	0.6	7
64	A Robust Maximal F-Ratio Statistic to Detect Clusters Structure. <i>Communications in Statistics - Theory and Methods</i> , 2009, 38, 682-694.	0.6	3
65	Epidemiology of Refractive Errors in an Adult European Population: The Segovia Study. <i>Ophthalmic Epidemiology</i> , 2009, 16, 231-237.	0.8	29
66	Retinal image analysis based on mixture models to detect hard exudates. <i>Medical Image Analysis</i> , 2009, 13, 650-658.	7.0	169
67	Conjunctival Mucin mRNA Expression in Contact Lens Wear. <i>Optometry and Vision Science</i> , 2009, 86, 1051-1058.	0.6	26
68	Robust estimation in the normal mixture model based on robust clustering. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2008, 70, 779-802.	1.1	36
69	Evaluation of spectral ratio measures from spontaneous MEG recordings in patients with Alzheimer's disease. <i>Computer Methods and Programs in Biomedicine</i> , 2008, 90, 137-147.	2.6	35
70	Incidence, organ dysfunction and mortality in severe sepsis: a Spanish multicentre study. <i>Critical Care</i> , 2008, 12, R158.	2.5	385
71	A general trimming approach to robust cluster Analysis. <i>Annals of Statistics</i> , 2008, 36, .	1.4	178
72	Trimming and likelihood: Robust location and dispersion estimation in the elliptical model. <i>Annals of Statistics</i> , 2008, 36, .	1.4	16

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73	Exposure to a Controlled Adverse Environment Impairs the Ocular Surface of Subjects with Minimally Symptomatic Dry Eye. , 2007, 48, 4026.		71
74	Automatic Image Processing Algorithm to Detect Hard Exudates based on Mixture Models. , 2006, 2006, 4453-6.		17
75	MEG spectral profile in Alzheimer's disease and mild cognitive impairment. Clinical Neurophysiology, 2006, 117, 306-314.	0.7	104
76	High-frequency jet ventilation in interventional bronchoscopy: factors with predictive value on high-frequency jet ventilation complications. Journal of Clinical Anesthesia, 2006, 18, 349-356.	0.7	44
77	Quantitative Magnetoencephalography of Spontaneous Brain Activity in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2006, 20, 153-159.	0.6	37
78	Efficacy of Systemic Cyclosporine A and Amniotic Membrane on Rabbit Conjunctival Limbal Allograft Rejection. Cornea, 2005, 24, 182-188.	0.9	6
79	Interaction Between Surgical Procedure for Repairing Retinal Detachment and Clinical Risk Factors for Proliferative Vitreoretinopathy. Current Eye Research, 2005, 30, 147-153.	0.7	44
80	Reading comparative study: Electronic vs. conventional devices. International Congress Series, 2005, 1282, 85-87.	0.2	0
81	Influence of population structure on the consumption of systemic antibiotics. International Journal of Antimicrobial Agents, 2005, 25, 84-88.	1.1	6
82	Prevalence of Primary Open-Angle Glaucoma in a Spanish Population. Journal of Glaucoma, 2004, 13, 371-376.	0.8	80
83	High cord blood IL-10 levels in preterm newborns with respiratory distress syndrome. Allergologia Et Immunopathologia, 2004, 32, 189-196.	1.0	4
84	Levels of mucin gene expression in normal human conjunctival epithelium in vivo. Current Eye Research, 2003, 27, 323-328.	0.7	30
85	Proliferative Vitreoretinopathy: Cytologic Findings in Vitreous Samples. Ophthalmic Research, 2003, 35, 232-238.	1.0	23
86	Evoluci3n del consumo de antibi3ticos en EspaAa. Medicina ClAnica, 2003, 120, 78-78.	0.3	3
87	The need for continuous immunosuppression with cyclosporin A to maintain an experimental model of uveal melanoma. Melanoma Research, 2002, 12, 441-447.	0.6	6
88	Influencia de la estructura de la poblaci3n en el consumo de antibi3ticos sistAomicos en la provincia de Valladolid. Revista Espanola De Salud Publica, 2002, 76, .	0.3	3
89	Pars planitis: epidemiology, treatment, and association with multiple sclerosis. Ocular Immunology and Inflammation, 2001, 9, 93-102.	1.0	91
90	Effects of unilateral deprivation in postnatal development of the olfactory bulb in an altricial rodent, the gerbil (Meriones unguiculatus). Developmental Brain Research, 2000, 122, 35-46.	2.1	5

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91	Flow changes in forearm arteries after elevating the radial forearm flap: prospective study using color duplex imaging.. Journal of Ultrasound in Medicine, 1999, 18, 553-558.	0.8	15
92	Aspects of endothelial function in visceral obesity. Atherosclerosis, 1999, 144, 141.	0.4	0
93	Initial changes in plasma lipids, in patients with visceral obesity. Atherosclerosis, 1999, 144, 185.	0.4	0
94	Value of Logistic Discriminant Analysis for Interpreting Initial Visual Field Defects. Ophthalmology, 1997, 104, 525-531.	2.5	11
95	Intermediate filament aggregates in mitoses of primary cutaneous neuroendocrine (Merkel cell) carcinoma. Histopathology, 1996, 28, 349-355.	1.6	16
96	El recuerdo y la emoción en la adquisición del hábito lector. Un estudio de caso / The memory and emotion in the acquisition of the reading habit. A case study. Tejuelo, 0, 34, 293-322.	0.2	1