

# AgustÃ-n Mayo Ãscar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7636907/publications.pdf>

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	Retinopathy Online Challenge: Automatic Detection of Microaneurysms in Digital Color Fundus Photographs. IEEE Transactions on Medical Imaging, 2010, 29, 185-195.	5.4	414
2	Incidence, organ dysfunction and mortality in severe sepsis: a Spanish multicentre study. Critical Care, 2008, 12, R158.	2.5	385
3	A general trimming approach to robust cluster Analysis. Annals of Statistics, 2008, 36, .	1.4	178
4	Retinal image analysis based on mixture models to detect hard exudates. Medical Image Analysis, 2009, 13, 650-658.	7.0	169
5	A review of robust clustering methods. Advances in Data Analysis and Classification, 2010, 4, 89-109.	0.9	161
6	MEG spectral profile in Alzheimer's disease and mild cognitive impairment. Clinical Neurophysiology, 2006, 117, 306-314.	0.7	104
7	Pars planitis: epidemiology, treatment, and association with multiple sclerosis. Ocular Immunology and Inflammation, 2001, 9, 93-102.	1.0	91
8	Ocular Mucin Gene Expression Levels as Biomarkers for the Diagnosis of Dry Eye Syndrome. , 2011, 52, 8363.		85
9	Prevalence of Primary Open-Angle Glaucoma in a Spanish Population. Journal of Glaucoma, 2004, 13, 371-376.	0.8	80
10	<b>tclust</b> : An R Package for a Trimming Approach to Cluster Analysis. Journal of Statistical Software, 2012, 47, .	1.8	78
11	Exploring the number of groups in robust model-based clustering. Statistics and Computing, 2011, 21, 585-599.	0.8	77
12	The PARP inhibitor olaparib enhances the sensitivity of Ewing sarcoma to trabectedin. Oncotarget, 2015, 6, 18875-18890.	0.8	74
13	Exposure to a Controlled Adverse Environment Impairs the Ocular Surface of Subjects with Minimally Symptomatic Dry Eye. , 2007, 48, 4026.		71
14	Robust clusterwise linear regression through trimming. Computational Statistics and Data Analysis, 2010, 54, 3057-3069.	0.7	58
15	A fast algorithm for robust constrained clustering. Computational Statistics and Data Analysis, 2013, 61, 124-136.	0.7	46
16	Avoiding spurious local maximizers in mixture modeling. Statistics and Computing, 2015, 25, 619-633.	0.8	45
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Quantitative Magnetoencephalography of Spontaneous Brain Activity in Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2006, 20, 153-159.	0.6	37
23	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
24	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
25	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
26	Levels of mucin gene expression in normal human conjunctival epithelium in vivo. <i>Current Eye Research</i> , 2003, 27, 323-328.	0.7	30
27	Epidemiology of Refractive Errors in an Adult European Population: The Segovia Study. <i>Ophthalmic Epidemiology</i> , 2009, 16, 231-237.	0.8	29
28	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
29	Conjunctival Mucin mRNA Expression in Contact Lens Wear. <i>Optometry and Vision Science</i> , 2009, 86, 1051-1058.	0.6	26
30	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
31	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
32	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
33	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
34	Proliferative Vitreoretinopathy: Cytologic Findings in Vitreous Samples. <i>Ophthalmic Research</i> , 2003, 35, 232-238.	1.0	23
35	Robust constrained fuzzy clustering. <i>Information Sciences</i> , 2013, 245, 38-52.	4.0	23
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	A reweighting approach to robust clustering. <i>Statistics and Computing</i> , 2018, 28, 477-493.	0.8	19
40	Automatic Image Processing Algorithm to Detect Hard Exudates based on Mixture Models. , 2006, 2006, 4453-6.		17
41	Intermediate filament aggregates in mitoses of primary cutaneous neuroendocrine (Merkel cell) carcinoma. <i>Histopathology</i> , 1996, 28, 349-355.	1.6	16
42	Trimming and likelihood: Robust location and dispersion estimation in the elliptical model. <i>Annals of Statistics</i> , 2008, 36, .	1.4	16
43	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
44	Robust fuzzy clustering of time series based on B-splines. <i>International Journal of Approximate Reasoning</i> , 2021, 136, 223-246.	1.9	16
45	Flow changes in forearm arteries after elevating the radial forearm flap: prospective study using color duplex imaging.. <i>Journal of Ultrasound in Medicine</i> , 1999, 18, 553-558.	0.8	15
46	Robust clustering tools based on optimal transportation. <i>Statistics and Computing</i> , 2019, 29, 139-160.	0.8	15
47	On the breakdown behavior of the TCLUS T clustering procedure. <i>Test</i> , 2013, 22, 466-487.	0.7	14
48	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
49	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
50	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
51	Value of Logistic Discriminant Analysis for Interpreting Initial Visual Field Defects. <i>Ophthalmology</i> , 1997, 104, 525-531.	2.5	11
52	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
53	Constrained parsimonious model-based clustering. <i>Statistics and Computing</i> , 2022, 32, 2.	0.8	11
54	The influence function of the TCLUS T robust clustering procedure. <i>Advances in Data Analysis and Classification</i> , 2012, 6, 107-130.	0.9	10

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	A fuzzy approach to robust regression clustering. <i>Advances in Data Analysis and Classification</i> , 2017, 11, 691-710.	0.9	9
58	optimalFlow: optimal transport approach to flow cytometry gating and population matching. <i>BMC Bioinformatics</i> , 2020, 21, 479.	1.2	9
59	Delayed Neurological Improvement After Full Endovascular Reperfusion in Acute Anterior Circulation Ischemic Stroke. <i>Stroke</i> , 2021, 52, 2210-2217.	1.0	9
60	How To Reduce the Laparoscopic Colorectal Learning Curve. <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2014, 18, e2014.00321.	0.5	8
61	Corneal Light Transmission and Roughness After Refractive Surgery. <i>Optometry and Vision Science</i> , 2010, 87, E469-E474.	0.6	7
62	The need for continuous immunosuppression with cyclosporin A to maintain an experimental model of uveal melanoma. <i>Melanoma Research</i> , 2002, 12, 441-447.	0.6	6
63	Efficacy of Systemic Cyclosporine A and Amniotic Membrane on Rabbit Conjunctival Limbal Allograft Rejection. <i>Cornea</i> , 2005, 24, 182-188.	0.9	6
64	Influence of population structure on the consumption of systemic antibiotics. <i>International Journal of Antimicrobial Agents</i> , 2005, 25, 84-88.	1.1	6
65	Fitting parabolas in noisy images. <i>Computational Statistics and Data Analysis</i> , 2017, 112, 80-87.	0.7	6
66	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
67	Statin intake can decrease acute pancreatitis severity. <i>Pancreatology</i> , 2019, 19, 807-812.	0.5	6
68	Characterization of Hearing Loss in Adult Patients With Nondialysis Chronic Kidney Disease. <i>Otology and Neurotology</i> , 2020, 41, e776-e782.	0.7	6
69	Parameter Choice, Stability and Validity for Robust Cluster Weighted Modeling. <i>Stats</i> , 2021, 4, 602-615.	0.5	6
70	Effects of unilateral deprivation in postnatal development of the olfactory bulb in an altricial rodent, the gerbil ( <i>Meriones unguiculatus</i> ). <i>Developmental Brain Research</i> , 2000, 122, 35-46.	2.1	5
71	Periodic gastroenterology and hepatology meetings with primary care: reasons for consultation. <i>Revista Española De Enfermedades Digestivas</i> , 2013, 105, 521-528.	0.1	5
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	Model-based clustering with determinant-and-shape constraint. <i>Statistics and Computing</i> , 2020, 30, 1363-1380.	0.8	5
75	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
76	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
77	High cord blood IL-10 levels in preterm newborns with respiratory distress syndrome. <i>Allergologia Et Immunopathologia</i> , 2004, 32, 189-196.	1.0	4
78	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
79	Cluster analysis with cellwise trimming and applications for the robust clustering of curves. <i>Information Sciences</i> , 2021, 573, 100-124.	4.0	3
80	Influencia de la estructura de la población en el consumo de antibióticos sistémicos en la provincia de Valladolid. <i>Revista Española De Salud Pública</i> , 2002, 76, .	0.3	3
81	Evolución del consumo de antibióticos en España. <i>Medicina Clínica</i> , 2003, 120, 78-78.	0.3	3
82	Robust Fuzzy Clustering via Trimming and Constraints. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 197-204.	0.5	2
83	Comments on: Multivariate functional outlier detection. <i>Statistical Methods and Applications</i> , 2015, 24, 233-235.	0.7	1
84	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
85	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
86	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. <i>Tejuelo</i> , 0, 34, 293-322.	0.2	1
87	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
88	Novel Prehospital Phenotypes and Outcomes in Adult-Patients with Acute Disease. <i>Journal of Medical Systems</i> , 2022, 46, .	2.2	1
89	Aspects of endothelial function in visceral obesity. <i>Atherosclerosis</i> , 1999, 144, 141.	0.4	0
90	Initial changes in plasma lipids, in patients with visceral obesity. <i>Atherosclerosis</i> , 1999, 144, 185.	0.4	0

#	ARTICLE	IF	CITATIONS
91	Reading comparative study: Electronic vs. conventional devices. International Congress Series, 2005, 1282, 85-87.	0.2	0
92	Discussion: The forward search: Theory and data analysis. Journal of the Korean Statistical Society, 2010, 39, 135-136.	0.3	0
93	Comments on: model-based clustering and classification with non-normal mixture distributions. Statistical Methods and Applications, 2013, 22, 459-461.	0.7	0
94	Time Series, Spectral Densities and Robust Functional Clustering. Neural Processing Letters, 2020, 52, 135-152.	2.0	0
95	Grouping Around Different Dimensional Affine Subspaces. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 131-139.	0.1	0
96	Modifiable Determinants of Satisfaction with Intravitreal Treatment in Patients with Neovascular Age-Related Macular Degeneration. Drugs and Aging, 2022, , 1.	1.3	0