Paolo Avesani

List of Publications by Year
in descending order

95 papers	3,582 citations	394421 19 h-index	223800 46 g-index
101 all docs	101 docs citations	101 times ranked	4116 citing authors

#	Article	IF	Citations
1	Trust-aware recommender systems. , 2007, , .		816
2	Variability in the analysis of a single neuroimaging dataset by many teams. Nature, 2020, 582, 84-88.	27.8	634
3	Trust-Aware Collaborative Filtering for Recommender Systems. Lecture Notes in Computer Science, 2004, , 492-508.	1.3	322
4	DECAF: MEG-Based Multimodal Database for Decoding Affective Physiological Responses. IEEE Transactions on Affective Computing, 2015, 6, 209-222.	8.3	236
5	Trust Metrics on Controversial Users. International Journal on Semantic Web and Information Systems, 2007, 3, 39-64.	5.1	152
6	A Machine Learning Approach to Software Requirements Prioritization. IEEE Transactions on Software Engineering, 2013, 39, 445-461.	5.6	122
7	A trust-enhanced recommender system application. , 2005, , .		115
8	Reputational Priors Magnify Striatal Responses to Violations of Trust. Journal of Neuroscience, 2013, 33, 3602-3611.	3.6	114
9	Trust Metrics in Recommender Systems. Human-computer Interaction Series, 2009, , 259-285.	0.6	90
10	The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. Scientific Data, 2019, 6, 69.	5.3	69
11	Using the Case-Based Ranking Methodology for Test Case Prioritization. Conference on Software Maintenance, Proceedings of the, 2006, , .	0.0	55
12	Facing scalability issues in requirements prioritization with machine learning techniques. , 2005, , .		49
13	Learning a local similarity metric for case-based reasoning. Lecture Notes in Computer Science, 1995, , 301-312.	1.3	47
14	Effects of supra-total resection in neurocognitive and oncological outcome of high-grade gliomas comparing asleep and awake surgery. Journal of Neuro-Oncology, 2020, 148, 97-108.	2.9	43
15	Photogrammetry of the Human Brain: A Novel Method for Three-Dimensional Quantitative Exploration of the Structural Connectivity in Neurosurgery and Neurosciences. World Neurosurgery, 2018, 115, e279-e291.	1.3	41
16	Data compression and local metrics for nearest neighbor classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 380-384.	13.9	35
17	A Large Scale Taxonomy Mapping Evaluation. Lecture Notes in Computer Science, 2005, , 67-81.	1.3	34
18	A large dataset for the evaluation of ontology matching. Knowledge Engineering Review, 2009, 24, 137-157.	2.6	32

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19	Interactive Case-Based Planning for Forest Fire Management. Applied Intelligence, 2000, 13, 41-57.	5.3	31
20	MEG decoding across subjects. , 2014, , .		26
21	Whole-Brain Network Connectivity Underlying the Human Speech Articulation as Emerged Integrating Direct Electric Stimulation, Resting State fMRI and Tractography. Frontiers in Human Neuroscience, 2018, 12, 405.	2.0	26
22	Classifyber, a robust streamline-based linear classifier for white matter bundle segmentation. NeuroImage, 2021, 224, 117402.	4.2	26
23	Clustering documents into a web directory for bootstrapping a supervised classification. Data and Knowledge Engineering, 2005, 54, 301-325.	3.4	21
24	Hierarchical Dirichlet model for document classification. , 2005, , .		20
25	Clustering documents in a web directory. , 2003, , .		17
26	ADHD diagnosis from multiple data sources with batch effects. Frontiers in Systems Neuroscience, 2012, 6, 70.	2.5	17
27	Bootstrapping for hierarchical document classification. , 2003, , .		16
28	User-centric Affective Video Tagging from MEG and Peripheral Physiological Responses. , 2013, , .		16
29	Tractome: a visual data mining tool for brain connectivity analysis. Data Mining and Knowledge Discovery, 2015, 29, 1258-1279.	3.7	16
30	Alignment of Tractograms As Graph Matching. Frontiers in Neuroscience, 2016, 10, 554.	2.8	16
31	Intercepting the First Pass: Rapid Categorization is Suppressed for Unseen Stimuli. Frontiers in Psychology, 2011, 2, 198.	2.1	14
32	Case-Based Ranking for Decision Support Systems. , 2003, , 35-49.		14
33	White Matter Tract Segmentation as Multiple Linear Assignment Problems. Frontiers in Neuroscience, 2017, 11, 754.	2.8	13
34	Differential Effects of Brain Disorders on Structural and Functional Connectivity. Frontiers in Neuroscience, 2017, 10, 605.	2.8	12
35	Tractogram Filtering of Anatomically Non-plausible Fibers with Geometric Deep Learning. Lecture Notes in Computer Science, 2020, , 291-301.	1.3	12
36	Brain Decoding: Biases in Error Estimation. , 2010, , .		11

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37	Classification of inter-subject fMRI data based on graph kernels. , 2014, , .		11
38	Collaborative Case-Based Recommender Systems. Lecture Notes in Computer Science, 2002, , 460-474.	1.3	11
39	Inferring Cognition from fMRI Brain Images. Lecture Notes in Computer Science, 2007, , 869-878.	1.3	11
40	Planning Brain Tumor Resection Using a Probabilistic Atlas of Cortical and Subcortical Structures Critical for Functional Processing: A Proof of Concept. Operative Neurosurgery, 2021, 20, E175-E183.	0.8	11
41	Comparison of distances for supervised segmentation of white matter tractography. , 2017, , .		10
42	Active sampling for detecting irrelevant features. , 2006, , .		9
43	Fast Clustering for Interactive Tractography Segmentation. , 2013, , .		9
44	Statistical independence for the evaluation of classifier-based diagnosis. Brain Informatics, 2015, 2, 13-19.	3.0	9
45	On pruning the search space for clustering ensemble problems. Neurocomputing, 2015, 150, 481-489.	5.9	9
46	A Peer-to-Peer Advertising Game. Lecture Notes in Computer Science, 2003, , 28-42.	1.3	8
47	Brain Decoding via Graph Kernels. , 2013, , .		8
48	Induction in Neuroscience with Classification: Issues and Solutions. Lecture Notes in Computer Science, 2012, , 42-50.	1.3	8
49	Supervised Segmentation of Fiber Tracts. Lecture Notes in Computer Science, 2011, , 261-274.	1.3	7
50	Collaborative Radio Community. Lecture Notes in Computer Science, 2002, , 462-465.	1.3	6
51	Advertising Games for Web Services. Lecture Notes in Computer Science, 2003, , 93-109.	1.3	5
52	Discrete Cosine Transform for MEG Signal Decoding. , 2013, , .		5
53	Decoding affect in videos employing the MEG brain signal. , 2013, , .		5
54	Alignment of Tractograms as Linear Assignment Problem. Mathematics and Visualization, 2016, , 109-120.	0.6	5

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55	Supervised Estimation of Granger-Based Causality between Time Series. Frontiers in Neuroinformatics, 2017, 11, 68.	2.5	5
56	Movie Genre Classification by Exploiting MEG Brain Signals. Lecture Notes in Computer Science, 2015, , 683-693.	1.3	5
57	DBB - A Distorted Brain Benchmark for Automatic Tissue Segmentation in Paediatric Patients. NeuroImage, 2022, 260, 119486.	4.2	5
58	Learning BOLD Response in fMRI by Reservoir Computing. , 2011, , .		4
59	CBET: A Case Base Exploration Tool. Lecture Notes in Computer Science, 1997, , 405-416.	1.3	4
60	A Stem-Based Dissection of Inferior Fronto-Occipital Fasciculus with A Deep Learning Model. , 2020, , .		4
61	Adaptive business intelligence for an open negotiation environment. , 2009, , .		3
62	Testing for Information with Brain Decoding. , 2011, , .		3
63	Non-parametric temporal modeling of the hemodynamic response function via a liquid state machine. Neural Networks, 2015, 70, 61-73.	5.9	3
64	Anatomically-Informed Multiple Linear Assignment Problems for White Matter Bundle Segmentation. , 2019, , .		3
65	Re-using Implicit Knowledge in Short-Term Information Profiles for Context-Sensitive Tasks. Lecture Notes in Computer Science, 2005, , 312-326.	1.3	3
66	Nonlinear Alignment of Whole Tractograms with the Linear AssignmentÂProblem. Lecture Notes in Computer Science, 2020, , 3-11.	1.3	3
67	On the Discovery of the Semantic Context of Queries by Game-Playing. Lecture Notes in Computer Science, 2004, , 203-216.	1.3	2
68	Active Sampling for Knowledge Discovery from Biomedical Data. Lecture Notes in Computer Science, 2005, , 343-354.	1.3	2
69	Multivariate Brain Mapping by Random Subspaces. , 2010, , .		2
70	Goals at risk? Machine learning at support of early assessment. , 2015, , .		2
71	Feature Rating by Random Subspaces for Functional Brain Mapping. Lecture Notes in Computer Science, 2010, , 112-123.	1.3	2
72	Bayesian estimation of directed functional coupling from brain recordings. PLoS ONE, 2017, 12, e0177359.	2.5	2

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73	Bootstrapping for hierarchical document classification. , 2003, , .		2
74	A logical framework for fuzzy collaborative filtering. , 0, , .		1
75	Case–Based Ranking for Environmental Risk Assessment. Studies in Computational Intelligence, 2010, , 165-185.	0.9	1
76	Brain connectivity analysis by reduction to pair classification. , 2010, , .		1
77	Testing Multiclass Pattern Discrimination. , 2012, , .		1
78	Functional hyperalignment of resting state FMRI sessions driven by autonomic activity. , 2014, , .		1
79	Sensor-level maps with the kernel two-sample test. , 2014, , .		1
80	Tractography Mapping for Dissimilarity Space across Subjects. , 2015, , .		1
81	Multi-Task Learning for Interpretation of Brain Decoding Models. Lecture Notes in Computer Science, 2016, , 3-11.	1.3	1
82	Clustering documents in a web directory. , 2003, , .		1
83	Language Games: Solving the Vocabulary Problem in Multi-Case-Base Reasoning. Lecture Notes in Computer Science, 2005, , 35-49.	1.3	1
84	Regularization for Unsupervised Classification on Taxonomies. Lecture Notes in Computer Science, 2006, , 691-696.	1.3	1
85	Mapping Tractography Across Subjects. Lecture Notes in Computer Science, 2016, , 21-28.	1.3	1
86	Automatic Tissue Segmentation with Deep Learning in Patients with Congenital or Acquired Distortion of Brain Anatomy. Lecture Notes in Computer Science, 2020, , 13-22.	1.3	1
87	A relational cascade correlation for structured outputs. , 2008, , .		0
88	Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. Frontiers in Computational Neuroscience, 2018, 12, 38.	2.1	0
89	Tagsocratic: Learning Shared Concepts on the Blogosphere. Lecture Notes in Computer Science, 2005, , 324-327.	1.3	0
90	Helping Physicians to Organize Guidelines Within Conceptual Hierarchies. Lecture Notes in Computer Science, 2005, , 141-145.	1.3	0

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91	Active Learning of Feature Relevance. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2007, , 87-107.	0.2	0
92	A Recommender for Active Preference Estimate. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 19-26.	0.3	0
93	Pairwise Analysis for Longitudinal fMRI Studies. Lecture Notes in Computer Science, 2012, , 132-139.	1.3	0
94	Classification-Based Causality Detection in Time Series. Lecture Notes in Computer Science, 2016, , 85-93.	1.3	0
95	Building Quality-Based Views of the Web. Lecture Notes in Computer Science, 2007, , 519-530.	1.3	0