

Paolo Avesani

List of Publications by Year in descending order

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Version: 2024-02-01

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	DBB - A Distorted Brain Benchmark for Automatic Tissue Segmentation in Paediatric Patients. <i>NeuroImage</i> , 2022, 260, 119486.	4.2	5
2	Classifyber, a robust streamline-based linear classifier for white matter bundle segmentation. <i>NeuroImage</i> , 2021, 224, 117402.	4.2	26
3	Planning Brain Tumor Resection Using a Probabilistic Atlas of Cortical and Subcortical Structures Critical for Functional Processing: A Proof of Concept. <i>Operative Neurosurgery</i> , 2021, 20, E175-E183.	0.8	11
4	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
5	Effects of supra-total resection in neurocognitive and oncological outcome of high-grade gliomas comparing asleep and awake surgery. <i>Journal of Neuro-Oncology</i> , 2020, 148, 97-108.	2.9	43
6	Tractogram Filtering of Anatomically Non-plausible Fibers with Geometric Deep Learning. <i>Lecture Notes in Computer Science</i> , 2020, , 291-301.	1.3	12
7	Automatic Tissue Segmentation with Deep Learning in Patients with Congenital or Acquired Distortion of Brain Anatomy. <i>Lecture Notes in Computer Science</i> , 2020, , 13-22.	1.3	1
8	Nonlinear Alignment of Whole Tractograms with the Linear Assignment Problem. <i>Lecture Notes in Computer Science</i> , 2020, , 3-11.	1.3	3
9	A Stem-Based Dissection of Inferior Fronto-Occipital Fasciculus with A Deep Learning Model. , 2020, , .		4
10	Anatomically-Informed Multiple Linear Assignment Problems for White Matter Bundle Segmentation. , 2019, , .		3
11	The open diffusion data derivatives, brain data upcycling via integrated publishing of derivatives and reproducible open cloud services. <i>Scientific Data</i> , 2019, 6, 69.	5.3	69
12	Photogrammetry of the Human Brain: A Novel Method for Three-Dimensional Quantitative Exploration of the Structural Connectivity in Neurosurgery and Neurosciences. <i>World Neurosurgery</i> , 2018, 115, e279-e291.	1.3	41
13	Whole-Brain Network Connectivity Underlying the Human Speech Articulation as Emerged Integrating Direct Electric Stimulation, Resting State fMRI and Tractography. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 405.	2.0	26
14	Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. <i>Frontiers in Computational Neuroscience</i> , 2018, 12, 38.	2.1	0
15	Comparison of distances for supervised segmentation of white matter tractography. , 2017, , .		10
16	Supervised Estimation of Granger-Based Causality between Time Series. <i>Frontiers in Neuroinformatics</i> , 2017, 11, 68.	2.5	5
17	Differential Effects of Brain Disorders on Structural and Functional Connectivity. <i>Frontiers in Neuroscience</i> , 2017, 10, 605.	2.8	12
18	White Matter Tract Segmentation as Multiple Linear Assignment Problems. <i>Frontiers in Neuroscience</i> , 2017, 11, 754.	2.8	13

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19	Bayesian estimation of directed functional coupling from brain recordings. PLoS ONE, 2017, 12, e0177359.	2.5	2
20	Alignment of Tractograms As Graph Matching. Frontiers in Neuroscience, 2016, 10, 554.	2.8	16
21	Alignment of Tractograms as Linear Assignment Problem. Mathematics and Visualization, 2016, , 109-120.	0.6	5
22	Multi-Task Learning for Interpretation of Brain Decoding Models. Lecture Notes in Computer Science, 2016, , 3-11.	1.3	1
23	Mapping Tractography Across Subjects. Lecture Notes in Computer Science, 2016, , 21-28.	1.3	1
24	Classification-Based Causality Detection in Time Series. Lecture Notes in Computer Science, 2016, , 85-93.	1.3	0
25	Tractome: a visual data mining tool for brain connectivity analysis. Data Mining and Knowledge Discovery, 2015, 29, 1258-1279.	3.7	16
26	Goals at risk? Machine learning at support of early assessment. , 2015, , .		2
27	Statistical independence for the evaluation of classifier-based diagnosis. Brain Informatics, 2015, 2, 13-19.	3.0	9
28	DECAF: MEG-Based Multimodal Database for Decoding Affective Physiological Responses. IEEE Transactions on Affective Computing, 2015, 6, 209-222.	8.3	236
29	Tractography Mapping for Dissimilarity Space across Subjects. , 2015, , .		1
30	Non-parametric temporal modeling of the hemodynamic response function via a liquid state machine. Neural Networks, 2015, 70, 61-73.	5.9	3
31	On pruning the search space for clustering ensemble problems. Neurocomputing, 2015, 150, 481-489.	5.9	9
32	Movie Genre Classification by Exploiting MEG Brain Signals. Lecture Notes in Computer Science, 2015, , 683-693.	1.3	5
33	Classification of inter-subject fMRI data based on graph kernels. , 2014, , .		11
34	Functional hyperalignment of resting state FMRI sessions driven by autonomic activity. , 2014, , .		1
35	Sensor-level maps with the kernel two-sample test. , 2014, , .		1
36	MEG decoding across subjects. , 2014, , .		26

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37	Discrete Cosine Transform for MEG Signal Decoding. , 2013, , .		5
38	A Machine Learning Approach to Software Requirements Prioritization. IEEE Transactions on Software Engineering, 2013, 39, 445-461.	5.6	122
39	Brain Decoding via Graph Kernels. , 2013, , .		8
40	User-centric Affective Video Tagging from MEG and Peripheral Physiological Responses. , 2013, , .		16
41	Decoding affect in videos employing the MEG brain signal. , 2013, , .		5
42	Fast Clustering for Interactive Tractography Segmentation. , 2013, , .		9
43	Reputational Priors Magnify Striatal Responses to Violations of Trust. Journal of Neuroscience, 2013, 33, 3602-3611.	3.6	114
44	Testing Multiclass Pattern Discrimination. , 2012, , .		1
45	ADHD diagnosis from multiple data sources with batch effects. Frontiers in Systems Neuroscience, 2012, 6, 70.	2.5	17
46	Induction in Neuroscience with Classification: Issues and Solutions. Lecture Notes in Computer Science, 2012, , 42-50.	1.3	8
47	Pairwise Analysis for Longitudinal fMRI Studies. Lecture Notes in Computer Science, 2012, , 132-139.	1.3	0
48	Testing for Information with Brain Decoding. , 2011, , .		3
49	Learning BOLD Response in fMRI by Reservoir Computing. , 2011, , .		4
50	Intercepting the First Pass: Rapid Categorization is Suppressed for Unseen Stimuli. Frontiers in Psychology, 2011, 2, 198.	2.1	14
51	Supervised Segmentation of Fiber Tracts. Lecture Notes in Computer Science, 2011, , 261-274.	1.3	7
52	Case-â€Based Ranking for Environmental Risk Assessment. Studies in Computational Intelligence, 2010, , 165-185.	0.9	1
53	Multivariate Brain Mapping by Random Subspaces. , 2010, , .		2
54	Brain Decoding: Biases in Error Estimation. , 2010, , .		11

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55	Brain connectivity analysis by reduction to pair classification. , 2010, , .		1
56	Feature Rating by Random Subspaces for Functional Brain Mapping. Lecture Notes in Computer Science, 2010, , 112-123.	1.3	2
57	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
58	Trust Metrics in Recommender Systems. Human-computer Interaction Series, 2009, , 259-285.	0.6	90
59	Adaptive business intelligence for an open negotiation environment. , 2009, , .		3
60	A large dataset for the evaluation of ontology matching. Knowledge Engineering Review, 2009, 24, 137-157.	2.6	32
61	A relational cascade correlation for structured outputs. , 2008, , .		0
62	Trust Metrics on Controversial Users. International Journal on Semantic Web and Information Systems, 2007, 3, 39-64.	5.1	152
63	Trust-aware recommender systems. , 2007, , .		816
64	Inferring Cognition from fMRI Brain Images. Lecture Notes in Computer Science, 2007, , 869-878.	1.3	11
65	Active Learning of Feature Relevance. Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, 2007, , 87-107.	0.2	0
66	Building Quality-Based Views of the Web. Lecture Notes in Computer Science, 2007, , 519-530.	1.3	0
67	Using the Case-Based Ranking Methodology for Test Case Prioritization. Conference on Software Maintenance, Proceedings of the, 2006, , .	0.0	55
68	Active sampling for detecting irrelevant features. , 2006, , .		9
69	Regularization for Unsupervised Classification on Taxonomies. Lecture Notes in Computer Science, 2006, , 691-696.	1.3	1
70	Clustering documents into a web directory for bootstrapping a supervised classification. Data and Knowledge Engineering, 2005, 54, 301-325.	3.4	21
71	Active Sampling for Knowledge Discovery from Biomedical Data. Lecture Notes in Computer Science, 2005, , 343-354.	1.3	2
72	A trust-enhanced recommender system application. , 2005, , .		115

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73	Facing scalability issues in requirements prioritization with machine learning techniques. , 2005, , .		49
74	A Large Scale Taxonomy Mapping Evaluation. Lecture Notes in Computer Science, 2005, , 67-81.	1.3	34
75	Hierarchical Dirichlet model for document classification. , 2005, , .		20
76	Re-using Implicit Knowledge in Short-Term Information Profiles for Context-Sensitive Tasks. Lecture Notes in Computer Science, 2005, , 312-326.	1.3	3
77	Tagsocratic: Learning Shared Concepts on the Blogosphere. Lecture Notes in Computer Science, 2005, , 324-327.	1.3	0
78	Helping Physicians to Organize Guidelines Within Conceptual Hierarchies. Lecture Notes in Computer Science, 2005, , 141-145.	1.3	0
79	Language Games: Solving the Vocabulary Problem in Multi-Case-Base Reasoning. Lecture Notes in Computer Science, 2005, , 35-49.	1.3	1
80	Trust-Aware Collaborative Filtering for Recommender Systems. Lecture Notes in Computer Science, 2004, , 492-508.	1.3	322
81	On the Discovery of the Semantic Context of Queries by Game-Playing. Lecture Notes in Computer Science, 2004, , 203-216.	1.3	2
82	A Peer-to-Peer Advertising Game. Lecture Notes in Computer Science, 2003, , 28-42.	1.3	8
83	Clustering documents in a web directory. , 2003, , .		17
84	Bootstrapping for hierarchical document classification. , 2003, , .		16
85	Advertising Games for Web Services. Lecture Notes in Computer Science, 2003, , 93-109.	1.3	5
86	Case-Based Ranking for Decision Support Systems. , 2003, , 35-49.		14
87	Clustering documents in a web directory. , 2003, , .		1
88	Bootstrapping for hierarchical document classification. , 2003, , .		2
89	Collaborative Case-Based Recommender Systems. Lecture Notes in Computer Science, 2002, , 460-474.	1.3	11
90	Collaborative Radio Community. Lecture Notes in Computer Science, 2002, , 462-465.	1.3	6

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91	Interactive Case-Based Planning for Forest Fire Management. Applied Intelligence, 2000, 13, 41-57.	5.3	31
92	Data compression and local metrics for nearest neighbor classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 380-384.	13.9	35
93	CBET: A Case Base Exploration Tool. Lecture Notes in Computer Science, 1997, , 405-416.	1.3	4
94	Learning a local similarity metric for case-based reasoning. Lecture Notes in Computer Science, 1995, , 301-312.	1.3	47
95	A logical framework for fuzzy collaborative filtering. , 0, , .		1