Juan A BotÃa

List of Publications by Year
in descending order

94 papers	**4,220** citations	218592 **26** h-index	149623 **56** g-index
118 all docs	**118** docs citations	**118** times ranked	**6771** citing authors

#	Article	IF	Citations
1	A systems-level analysis highlights microglial activation as a modifying factor in common epilepsies. Neuropathology and Applied Neurobiology, 2022, 48, .	1.8	22
2	Multi-modality machine learning predicting Parkinson's disease. Npj Parkinson's Disease, 2022, 8, 35.	2.5	44
3	Smoking is associated with age at disease onset in Parkinson's disease. Parkinsonism and Related Disorders, 2022, 97, 79-83.	1.1	2
4	Leveraging omic features with F3UTER enables identification of unannotated 3'UTRs for synaptic genes. Nature Communications, 2022, 13, 2270.	5.8	4
5	Multivariate Feature Ranking With High-Dimensional Data for Classification Tasks. IEEE Access, 2022, 10, 60421-60437.	2.6	2
6	A genetic link between risk for Alzheimer's disease and severe COVID-19 outcomes via the *OAS1* gene. Brain, 2021, 144, 3727-3741.	3.7	65
7	CoExp: A Web Tool for the Exploitation of Co-expression Networks. Frontiers in Genetics, 2021, 12, 630187.	1.1	16
8	Modeling multifunctionality of genes with secondary gene co-expression networks in human brain provides novel disease insights. Bioinformatics, 2021, 37, 2905-2911.	1.8	3
9	Identification of Candidate Parkinson Disease Genes by Integrating Genome-Wide Association Study, Expression, and Epigenetic Data Sets. JAMA Neurology, 2021, 78, 464.	4.5	95
10	Investigation of Autosomal Genetic Sex Differences in Parkinson's Disease. Annals of Neurology, 2021, 90, 35-42.	2.8	29
11	An integrated genomic approach to dissect the genetic landscape regulating the cell-to-cell transfer of α-synuclein. Cell Reports, 2021, 35, 109189.	2.9	8
12	ASL expression in ALDH1A1+ neurons in the substantia nigra metabolically contributes to neurodegenerative phenotype. Human Genetics, 2021, 140, 1471-1485.	1.8	10
13	White matter DNA methylation profiling reveals deregulation of HIP1, LMAN2, MOBP, and other loci in multiple system atrophy. Acta Neuropathologica, 2020, 139, 135-156.	3.9	42
14	Dystonia genes functionally converge in specific neurons and share neurobiology with psychiatric disorders. Brain, 2020, 143, 2771-2787.	3.7	50
15	*Trem2* promotes anti-inflammatory responses in microglia and is suppressed under pro-inflammatory conditions. Human Molecular Genetics, 2020, 29, 3224-3248.	1.4	76
16	Incomplete annotation has a disproportionate impact on our understanding of Mendelian and complex neurogenetic disorders. Science Advances, 2020, 6, .	4.7	44
17	Large-scale pathway specific polygenic risk and transcriptomic community network analysis identifies novel functional pathways in Parkinson disease. Acta Neuropathologica, 2020, 140, 341-358.	3.9	68
18	Regulatory sites for splicing in human basal ganglia are enriched for disease-relevant information. Nature Communications, 2020, 11, 1041.	5.8	22

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19	Penetrance of Parkinson's Disease in *LRRK2* p.G2019S Carriers Is Modified by a Polygenic Risk Score. Movement Disorders, 2020, 35, 774-780.	2.2	57
20	Genetic variability in response to amyloid beta deposition influences Alzheimer's disease risk. Brain Communications, 2019, 1, fcz022.	1.5	67
21	Identification of novel risk loci, causal insights, and heritable risk for Parkinson's disease: a meta-analysis of genome-wide association studies. Lancet Neurology, The, 2019, 18, 1091-1102.	4.9	1,414
22	The Genetic Architecture of Parkinson Disease in Spain: Characterizing Population‐Specific Risk, Differential Haplotype Structures, and Providing Etiologic Insight. Movement Disorders, 2019, 34, 1851-1863.	2.2	47
23	Biallelic mutations in neurofascin cause neurodevelopmental impairment and peripheral demyelination. Brain, 2019, 142, 2948-2964.	3.7	43
24	Mitochondria function associated genes contribute to Parkinson's Disease risk and later age at onset. Npj Parkinson's Disease, 2019, 5, 8.	2.5	95
25	*PDXK* mutations cause polyneuropathy responsive to pyridoxal 5′‐phosphate supplementation. Annals of Neurology, 2019, 86, 225-240.	2.8	54
26	Transcriptomic and genetic analyses reveal potential causal drivers for intractable partial epilepsy. Brain, 2019, 142, 1616-1630.	3.7	47
27	Picomolar concentrations of oligomeric alpha-synuclein sensitizes TLR4 to play an initiating role in Parkinson's disease pathogenesis. Acta Neuropathologica, 2019, 137, 103-120.	3.9	103
28	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. Brain, 2018, 141, 391-408.	3.7	352
29	A loss-of-function homozygous mutation in *DDX59* implicates a conserved DEAD-box RNA helicase in nervous system development and function. Human Mutation, 2018, 39, 187-192.	1.1	44
30	Discovery and functional prioritization of Parkinson's disease candidate genes from large-scale whole exome sequencing. Genome Biology, 2017, 18, 22.	3.8	96
31	Mutations in NKX6-2 Cause Progressive Spastic Ataxia and Hypomyelination. American Journal of Human Genetics, 2017, 100, 969-977.	2.6	38
32	The phenotypic and molecular spectrum of PEHO syndrome and PEHO-like disorders. Brain, 2017, 140, e49-e49.	3.7	33
33	An additional k-means clustering step improves the biological features of WGCNA gene co-expression networks. BMC Systems Biology, 2017, 11, 47.	3.0	253
34	Activity recommendation in intelligent campus environments based on the Eduroam federation. Journal of Ambient Intelligence and Smart Environments, 2016, 8, 35-46.	0.8	4
35	A model-driven approach for quality of context in pervasive systems. Computers and Electrical Engineering, 2016, 55, 39-58.	3.0	15
36	Gene co-expression networks shed light into diseases of brain iron accumulation. Neurobiology of Disease, 2016, 87, 59-68.	2.1	24

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37	Frontotemporal dementia: insights into the biological underpinnings of disease through gene co-expression network analysis. Molecular Neurodegeneration, 2016, 11, 21.	4.4	39
38	Hybrid indoor location: Simultaneous zone and coordinates based location for AAL environments with 802.11 fingerprinting technology. Journal of Ambient Intelligence and Smart Environments, 2015, 7, 315-327.	0.8	1
39	A complex event processing approach to perceive the vehicular context. Information Fusion, 2015, 21, 187-209.	11.7	27
40	Generation of human computational models with machine learning. Information Sciences, 2015, 293, 97-114.	4.0	8
41	Combining the real world with simulations for a robust testing of Ambient Intelligence services. Artificial Intelligence Review, 2014, 42, 723-746.	9.7	5
42	Strategies for avoiding preference profiling in agent-based e-commerce environments. Applied Intelligence, 2014, 40, 127-142.	3.3	16
43	Building Your Own Infrastructure Based 802.11 Fingerprinting Service. , 2014, , .		0
44	Generation of human computational models with knowledge engineering. Engineering Applications of Artificial Intelligence, 2014, 35, 259-276.	4.3	3
45	Resource assignment in intelligent environments based on similarity, trust and reputation. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 199-214.	0.8	4
46	Robust design of multi-agent system interactions: A testing approach based on pattern matching. Engineering Applications of Artificial Intelligence, 2013, 26, 2093-2104.	4.3	5
47	A domain-specific language for context modeling in context-aware systems. Journal of Systems and Software, 2013, 86, 2890-2905.	3.3	40
48	A Fuzzy Logic-Based System for Indoor Localization Using WiFi in Ambient Intelligent Environments. IEEE Transactions on Fuzzy Systems, 2013, 21, 702-718.	6.5	72
49	Data mining agent conversations: A qualitative approach to multiagent systems analysis. Information Sciences, 2013, 230, 132-146.	4.0	23
50	Testing context-aware services based on smartphones by agent based social simulation. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 311-330.	0.8	9
51	Introduction to the thematic issue. Journal of Ambient Intelligence and Smart Environments, 2013, 5, 3-4.	0.8	0
52	PHAT: Physical Human Activity Tester. Lecture Notes in Computer Science, 2013, , 41-50.	1.0	7
53	An Approach for Representing Sensor Data to Validate Alerts in Ambient Assisted Living. Sensors, 2012, 12, 6282-6306.	2.1	21
54	Simulation of human behaviours for the validation of Ambient Intelligence services: A methodological approach. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 163-181.	0.8	12

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55	Chronobiology applied to the development of human behavior computational models. Journal of Ambient Intelligence and Smart Environments, 2012, 4, 369-389.	0.8	2
56	User Profiling Based on Similarity, Trust and Reputation. , 2012, , .		0
57	An adaptive learning fuzzy logic system for indoor localisation using Wi-Fi in Ambient Intelligent Environments. , 2012, , .		13
58	Ambient Assisted Living system for in-home monitoring of healthy independent elders. Expert Systems With Applications, 2012, 39, 8136-8148.	4.4	114
59	Towards Socio-Chronobiological Computational Human Models. Lecture Notes in Computer Science, 2012, , 392-401.	1.0	2
60	Modeling a Risk Detection System for Elderlyâ€™s Home-Care with a Network of Timed Automata. Lecture Notes in Computer Science, 2012, , 82-89.	1.0	4
61	Simulation Based Software Development for Smart Phones. Advances in Intelligent and Soft Computing, 2012, , 243-250.	0.2	6
62	CREATING CONTEXT-AWARE COLLABORATIVE WORKING ENVIRONMENTS. International Journal on Artificial Intelligence Tools, 2011, 20, 195-207.	0.7	3
63	Using cognitive agents in social simulations. Engineering Applications of Artificial Intelligence, 2011, 24, 1098-1109.	4.3	28
64	Distribution of a Reasoning Engine over Wireless Sensor Networks. Advances in Intelligent and Soft Computing, 2011, , 223-231.	0.2	1
65	Semantic description of multimedia contents for the optimization of the advertising impact on TV program grids. , 2010, , .		1
66	Engineering Ambient Intelligence Services by Means of MABS. Advances in Intelligent and Soft Computing, 2010, , 37-44.	0.2	4
67	Social Simulation for AmI Systems Engineering. Lecture Notes in Computer Science, 2010, , 80-87.	1.0	1
68	Infrastructure for Forensic Analysis of Multi-Agent Based Simulations. Lecture Notes in Computer Science, 2010, , 185-200.	1.0	2
69	Reasoning on a Semantic Web Based Context-Awareness Middleware. Advances in Intelligent and Soft Computing, 2010, , 147-155.	0.2	1
70	Intelligent data analysis applied to debug complex software systems. Neurocomputing, 2009, 72, 2785-2795.	3.5	34
71	POPEYE: providing collaborative services for ad hoc and spontaneous communities. Service Oriented Computing and Applications, 2009, 3, 25-45.	1.3	5
72	On the Formalization of an Argumentation System for Software Agents. Lecture Notes in Computer Science, 2009, , 459-467.	1.0	1

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73	Infrastructure for Forensic Analysis of Multi-Agent Systems. Lecture Notes in Computer Science, 2009, , 168-183.	1.0	11
74	Construction and Debugging of a Multi-Agent Based Simulation to Study Ambient Intelligence Applications. Lecture Notes in Computer Science, 2009, , 1090-1097.	1.0	4
75	Detecting Domestic Problems of Elderly People: Simple and Unobstrusive Sensors to Generate the Context of the Attended. Lecture Notes in Computer Science, 2009, , 819-826.	1.0	8
76	A Trust and Reputation Model as Adaptive Mechanism for Multi-Agent Systems. Inteligencia Artificial, 2009, 13, .	0.5	0
77	Towards semantic web-based management of security services. Annales Des Telecommunications/Annals of Telecommunications, 2008, 63, 183-193.	1.6	8
78	The Ingenias Project: Methods And Tool For Developing Multiagent Systems. IEEE Latin America Transactions, 2008, 6, 529-534.	1.2	1
79	ASBO: Argumentation System Based on Ontologies. Lecture Notes in Computer Science, 2008, , 191-205.	1.0	8
80	Adaptability of the TRSIM Model to Some Changes in Agents Behaviour. Lecture Notes in Computer Science, 2008, , 403-417.	1.0	0
81	Towards semantic-aware management of security services in GT4. Multiagent and Grid Systems, 2007, 3, 369-379.	0.5	0
82	Tracking Causality by Visualization of Multi-Agent Interactions Using Causality Graphs. , 2007, , 190-204.		13
83	On the Behaviour of the TRSIM Model for Trust and Reputation. Lecture Notes in Computer Science, 2007, , 182-193.	1.0	13
84	Using Semantic Causality Graphs to Validate MAS Models. Advances in Intelligent and Soft Computing, 2007, , 9-16.	0.2	2
85	A New Model for Trust and Reputation Management with an Ontology Based Approach for Similarity Between Tasks. Lecture Notes in Computer Science, 2006, , 172-183.	1.0	8
86	Toward a framework for the specification of hybrid fuzzy modeling. International Journal of Intelligent Systems, 2005, 20, 225-252.	3.3	9
87	Distributed Contextual Information Storage Using Content-Centric Hash Tables. Lecture Notes in Computer Science, 2005, , 957-966.	1.0	0
88	Providing QoS Through Machine-Learning-Driven Adaptive Multimedia Applications. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1398-1411.	5.5	22
89	Adaptive P2P Multimedia Communication Using Hybrid Learning. Lecture Notes in Computer Science, 2004, , 116-125.	1.0	0
90	Neuro-Fuzzy Modeling Applied to GIS: a Case Study for Solar Radiation. Lecture Notes in Computer Science, 2003, , 401-408.	1.0	2

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91	Improving User-Perceived QoS in Mobile Ad Hoc Networks Using Decision Rules Induction. Lecture Notes in Computer Science, 2003, , 466-471.	1.0	1
92	Data Mining Applied to Irrigation Water Management. Lecture Notes in Computer Science, 2001, , 547-554.	1.0	1
93	A Proposal for Meta-learning through a MAS (Multi-agent System). Lecture Notes in Computer Science, 2001, , 226-233.	1.0	4
94	Semantic Overlay Networks for Social Recommendation in P2P. Advances in Soft Computing, 0, , 274-283.	0.4	1