

Louis-Francois Pau

List of Publications by Year in descending order

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100
papers

828
citations

759055

12
h-index

677027

22
g-index

111
all docs

111
docs citations

111
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	The IEEE P1520 standards initiative for programmable network interfaces. , 1998, 36, 64-70.		116
2	Survey of expert systems for fault detection, test generation and maintenance. Expert Systems, 1986, 3, 100-110.	2.9	94
3	Sensor data fusion. Journal of Intelligent and Robotic Systems: Theory and Applications, 1988, 1, 103-116.	2.0	52
4	Failure Diagnosis and Performance Monitoring. IEEE Transactions on Reliability, 1986, 35, 477-477.	3.5	41
5	Neural network signal understanding for instrumentation. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 558-564.	2.4	33
6	Diffusion of Mobile Terminals in China. European Management Journal, 2005, 23, 674-681.	3.1	25
7	Applications of pattern recognition to the diagnosis of equipment failures. Pattern Recognition, 1974, 6, 3-11.	5.1	20
8	Contour tracking and corner detection in a logic programming environment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1990, 12, 913-917.	9.7	20
9	Knowledge representation approaches in sensor fusion. Automatica, 1989, 25, 207-214.	3.0	18
10	A differential game among sectors in a macroeconomy. Automatica, 1975, 11, 473-485.	3.0	17
11	Knowledge and information transfer in agriculture using hypermedia: a system review. Computers and Electronics in Agriculture, 1995, 12, 83-119.	3.7	16
12	Artificial intelligence and financial services. IEEE Transactions on Knowledge and Data Engineering, 1991, 3, 137-148.	4.0	15
13	The communications and information economy: issues, tariffs and economics research areas. Journal of Economic Dynamics and Control, 2002, 26, 1651-1675.	0.9	14
14	Integrated Testing and Algorithms for Visual Inspection of Integrated Circuits. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1983, PAMI-5, 602-608.	9.7	13
15	Computational Economics and Econometrics. Advanced Studies in Theoretical and Applied Econometrics, 1992, , .	0.1	13
16	Diagnosis of Equipment Failures by Pattern Recognition. IEEE Transactions on Reliability, 1974, R-23, 202-208.	3.5	12
17	Behavioral knowledge in sensor/data fusion systems. Journal of Field Robotics, 1990, 7, 295-308.	0.7	11
18	An adaptive signal classification procedure. Application to aircraft engine condition monitoring. Pattern Recognition, 1977, 9, 121-130.	5.1	9

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19	Context knowledge and search control issues in object-oriented Prolog-based image understanding. Pattern Recognition Letters, 1992, 13, 279-290.	2.6	9
20	PDL-HM: morphological and syntactic shape classification algorithm. Machine Vision and Applications, 1994, 7, 59-68.	1.7	9
21	Introduction to Smart Business Networks. Journal of Information Technology, 2004, 19, 225-227.	2.5	9
22	A collaboratively derived international research agenda on legislative science advice. Palgrave Communications, 2019, 5, .	4.7	9
23	Differential Games and a Nash Equilibrium Searching Algorithm. SIAM Journal on Control and Optimization, 1975, 13, 835-852.	1.6	8
24	Smart business networks: interactionâ€œcoordination aspects and risks. Business Process Management Journal, 2012, 18, 829-843.	2.4	8
25	Automatic inspection by lots in the presence of classification errors. Pattern Recognition, 1980, 12, 237-241.	5.1	7
26	Failure detection processes by an expert system and hybrid pattern recognition. Pattern Recognition Letters, 1984, 2, 419-425.	2.6	7
27	Knowledge-based mortgage-loan credit granting and risk assessment. Journal of Economic Dynamics and Control, 1990, 14, 255-262.	0.9	7
28	Visual logic programming. Journal of Visual Languages and Computing, 1991, 2, 3-15.	1.8	7
29	Discovering the dynamics of smart business networks. Computational Management Science, 2014, 11, 445-458.	0.8	7
30	A controlled linearized kalman filter for economic forecasting and adaptive modelling. Automatica, 1978, 14, 119-128.	3.0	6
31	Inference of the structure of economic reasoning from natural language analysis. Decision Support Systems, 1985, 1, 313-321.	3.5	6
32	Explanation facility for neural networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 1992, 5, 193-206.	2.0	6
33	India: a case of fragile wireless service and technology adoption?. International Journal of Mobile Communications, 2008, 6, 376.	0.2	6
34	A picture and text query and archiving system. Pattern Recognition Letters, 1986, 4, 477-480.	2.6	5
35	Technical analysis for portfolio trading by syntactic pattern recognition. Journal of Economic Dynamics and Control, 1991, 15, 715-730.	0.9	5
36	Inference of functional economic model relations from natural language analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1986, 19, 173-183.	0.4	4

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37	A survey of reasoning procedures in knowledge based systems for economics and management. Computer Science in Economics and Management, 1990, 3, 3-22.	0.5	4
38	Temporal reasoning in blood gas diagnosis. Expert Systems, 1991, 8, 159-170.	2.9	4
39	Business and social evaluation of denial of service attacks of communications networks in view of scaling economic counter-measures. , 2010, , .		4
40	Two-Level Planning with Conflicting Goals. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1976, 9, 533-538.	0.4	3
41	An infra-red source classification system. Pattern Recognition, 1981, 14, 283-288.	5.1	3
42	Game Theoretical Pattern Recognition: Application to Imperfect Noncooperative Learning and to Multiclass Classification. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1984, PAMI-6, 118-122.	9.7	3
43	Individual Tariffs for Mobile Services: Analysis of Operator Business and Risk Consequences. , 2007, , .		3
44	Mean-variance performance optimization of response time in a tandem router network with batch arrivals. Cluster Computing, 2007, 10, 203-216.	3.5	3
45	Individual Telecommunications Tariffs in Chinese Communities. , 2008, , 301-316.		3
46	Applications of Artificial Intelligence in banking, financial services and economics. , 1990, , 22-46.		3
47	Active Perception and Robot Vision. , 1992, , .		3
48	Approaches to industrial image processing and their limitations. Electronics and Power, 1984, 30, 135.	0.0	2
49	AN INTELLIGENT CAMERA FOR ACTIVE VISION. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 33-42.	0.7	2
50	A Survey of Access Methods for Image Data. International Journal of Software Engineering and Knowledge Engineering, 1997, 07, 305-319.	0.6	2
51	An optimisation model for a two-node router network. , 0, , .		2
52	Performance Optimization of Mean Response Time in a Tandem Router Network with Batch Arrivals. , 2006, , .		2
53	Emergency Messaging to General Public via Public Wireless Networks. International Journal of Information Systems for Crisis Response and Management, 2009, 1, 56-68.	0.7	2
54	Telecommunications in Russia: evolution over 20 years. International Journal of Electronic Finance, 2013, 7, 48.	0.2	2

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55	Editorial: Accelerated Globalization and Its Impact to the World's Health Care Achievement. <i>Frontiers in Public Health</i> , 2021, 9, 690239.	1.3	2
56	Two-Level Planning with Conflicting Goals. <i>Lecture Notes in Economics and Mathematical Systems</i> , 1976, , 263-273.	0.3	2
57	Smart Business Networks: Architectural Aspects and Risks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
58	INDIVIDUAL TARIFFS FOR MOBILE SERVICE BUNDLES - A Negotiation Calculation Tool. , 2006, , .		2
59	Negotiation Games for Individual Services and Tariffs in Wireless Communications. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
60	A Fault Tree Approach to Quality Control by Variables. <i>IEEE Transactions on Reliability</i> , 1979, R-28, 344-352.	3.5	1
61	Design of a suboptimal Kalman filter of very high reliability and speed, with internal reconfiguration and failure localization. <i>IEEE Transactions on Circuits and Systems</i> , 1979, 26, 565-574.	0.9	1
62	Multivariate Sampling Plans in Quality Control: A Numerical Example. <i>IEEE Transactions on Reliability</i> , 1983, R-32, 359-365.	3.5	1
63	Game theoretical signal classification: Application to imperfect or non-cooperative learning. <i>Geoexploration</i> , 1984, 23, 161-170.	0.2	1
64	A Software Package for Statistical Quality Control of Instrumentation. <i>IEEE Transactions on Reliability</i> , 1984, R-33, 172-175.	3.5	1
65	Test System Impact on System Availability. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 1987, AES-23, 625-633.	2.6	1
66	Computer vision for electronics manufacturing. , 0, , .		1
67	Chapter 8 Artificial intelligence in economics and finance: A state of the art " 1994. <i>Handbook of Computational Economics</i> , 1996, 1, 405-439.	1.6	1
68	Individual Tariffs for Mobile Services: Theoretical Framework and a Computational Case in Mobile Music. , 2006, , .		1
69	Privacy management service contacts as business opportunity. <i>IEEE Technology and Society Magazine</i> , 2009, 28, 55-63.	0.6	1
70	Affordability, Social E-Inclusion, and Addiction in Telecommunications. <i>IEEE Technology and Society Magazine</i> , 2012, 31, 20-33.	0.6	1
71	Mass Customization in Wireless Communication Services: Individual Services and Tariffs. , 2009, , 622-645.		1
72	Energy Consumption Effects of WiFi Off-Loading Access in 3G or LTE Public Wireless Networks. <i>International Journal of Business Data Communications and Networking</i> , 2013, 9, 1-10.	1.2	1

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73	Neural Signal Understanding for Instrumentation. , 1990, , 437-454.		1
74	Green Wired Networks. , 0, , 41-80.		1
75	Data compression, and a dynamic display system for the differential diagnosis of hand tremor in the clinical neurological examination. Medical and Biological Engineering and Computing, 1977, 15, 292-297.	1.6	0
76	Research on Optimal Control Adapted to Macro- and Microeconomics: A Survey. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1978, 11, 847-858.	0.4	0
77	Inference of the Structure of Economic Reasoning from Natural Language Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1983, 16, 157-163.	0.4	0
78	An introduction to infrared image acquisition and classification systems. Optics and Laser Technology, 1984, 16, 274-275.	2.2	0
79	Artificial intelligence in economics and management. European Journal of Operational Research, 1987, 28, 110.	3.5	0
80	SOFTM: a software maintenance expert system in Prolog. , 1988, , .		0
81	15 Applications of pattern recognition in failure diagnosis and quality control. Handbook of Statistics, 1988, 7, 281-311.	0.4	0
82	Expert Systems in Economics, Banking and Management. Journal of the Operational Research Society, 1991, 42, 345-345.	2.1	0
83	A knowledge-based sensor fusion editor. IEEE Transactions on Systems, Man, and Cybernetics, 1991, 21, 1251-1259.	0.9	0
84	Fish quality control by computer vision. Food Control, 1992, 3, 62.	2.8	0
85	Common theoretical formulation of the pattern recognition, identification, and detection problems. Annals of Mathematics and Artificial Intelligence, 1994, 10, 175-191.	0.9	0
86	An analytical business performance comparison of the IPv6 and IPv4 protocols in fixed and mobile communication services. , 2004, , .		0
87	Introduction of 3rd Generation Wireless Services in a Multi-Enterprise VPN Environment: Case of the Port of Rotterdam. , 0, , .		0
88	Individual Tariffs for Mobile Services: Bargaining Model and Calculation. , 2006, , .		0
89	Privacy management service contacts as a new business opportunity for operators. , 2008, , .		0
90	Key Issues in Expansion of Mobile Data Communications in China. , 2008, , .		0

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91	Wireless Enabled Clothing: New Modular Technologies and Overall Supply Chain Impact. SSRN Electronic Journal, 0, , .	0.4	0
92	INFERENCE OF THE STRUCTURE OF ECONOMIC REASONING FROM NATURAL LANGUAGE ANALYSIS. , 1984, , 157-163.		0
93	A Knowledge Based Sensor Fusion Editor. , 1993, , 325-341.		0
94	Smart Business Networks: Their Evolution. SSRN Electronic Journal, 0, , .	0.4	0
95	Advanced Vision Methods and Technologies for the Fishing and Fish Product Industries. , 2017, , 283-290.		0
96	ROBOTIC FOREST HARVESTING PROCESS USING GNSS SATELLITE POSITIONING DATA: EFFECTS OF GNSS TRAJECTORY INACCURACIES IN FOREST ENVIRONMENTS. Electronic Journal of Polish Agricultural Universities, 2018, 21, .	0.1	0
97	Coloured Algebras and Biological Response in Quantum Biological Computing Architectures. SSRN Electronic Journal, 0, , .	0.4	0
98	Wireless-Enabled Fashion. International Journal of Mobile Devices Wearable Technology and Flexible Electronics, 2019, 10, 37-56.	0.1	0
99	Energy Storage in Communications & Data Center Infrastructures. SSRN Electronic Journal, 0, , .	0.4	0
100	Case "Mobile-INTEGRAL". , 0, , 235-245.		0