

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	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
2	A collaboratively derived international research agenda on legislative science advice. <i>Palgrave Communications</i> , 2019, 5, .	4.7	9
3	Wireless-Enabled Fashion. <i>International Journal of Mobile Devices Wearable Technology and Flexible Electronics</i> , 2019, 10, 37-56.	0.1	0
4	ROBOTIC FOREST HARVESTING PROCESS USING GNSS SATELLITE POSITIONING DATA: EFFECTS OF GNSS TRAJECTORY INACCURACIES IN FOREST ENVIRONMENTS. <i>Electronic Journal of Polish Agricultural Universities</i> , 2018, 21, .	0.1	0
5	Advanced Vision Methods and Technologies for the Fishing and Fish Product Industries. , 2017, , 283-290.		0
6	Discovering the dynamics of smart business networks. <i>Computational Management Science</i> , 2014, 11, 445-458.	0.8	7
7	Telecommunications in Russia: evolution over 20 years. <i>International Journal of Electronic Finance</i> , 2013, 7, 48.	0.2	2
8	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
9	Smart business networks: interactionâ€œcoordination aspects and risks. <i>Business Process Management Journal</i> , 2012, 18, 829-843.	2.4	8
10	Affordability, Social E-Inclusion, and Addiction in Telecommunications. <i>IEEE Technology and Society Magazine</i> , 2012, 31, 20-33.	0.6	1
11	Business and social evaluation of denial of service attacks of communications networks in view of scaling economic counter-measures. , 2010, , .		4
12	Emergency Messaging to General Public via Public Wireless Networks. <i>International Journal of Information Systems for Crisis Response and Management</i> , 2009, 1, 56-68.	0.7	2
13	Privacy management service contacts as business opportunity. <i>IEEE Technology and Society Magazine</i> , 2009, 28, 55-63.	0.6	1
14	Mass Customization in Wireless Communication Services: Individual Services and Tariffs. , 2009, , 622-645.		1
15	Privacy management service contacts as a new business opportunity for operators. , 2008, , .		0
16	Key Issues in Expansion of Mobile Data Communications in China. , 2008, , .		0
17	India: a case of fragile wireless service and technology adoption?. <i>International Journal of Mobile Communications</i> , 2008, 6, 376.	0.2	6
18	Individual Telecommunications Tariffs in Chinese Communities. , 2008, , 301-316.		3

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19	Individual Tariffs for Mobile Services: Analysis of Operator Business and Risk Consequences. , 2007, , .		3
20	Mean-variance performance optimization of response time in a tandem router network with batch arrivals. Cluster Computing, 2007, 10, 203-216.	3.5	3
21	Performance Optimization of Mean Response Time in a Tandem Router Network with Batch Arrivals. , 2006, , .		2
22	Individual Tariffs for Mobile Services: Bargaining Model and Calculation. , 2006, , .		0
23	Individual Tariffs for Mobile Services: Theoretical Framework and a Computational Case in Mobile Music. , 2006, , .		1
24	INDIVIDUAL TARIFFS FOR MOBILE SERVICE BUNDLES - A Negotiation Calculation Tool. , 2006, , .		2
25	Diffusion of Mobile Terminals in China. European Management Journal, 2005, 23, 674-681.	3.1	25
26	An analytical business performance comparison of the IPv6 and IPv4 protocols in fixed and mobile communication services. , 2004, , .		0
27	Introduction to Smart Business Networks. Journal of Information Technology, 2004, 19, 225-227.	2.5	9
28	The communications and information economy: issues, tariffs and economics research areas. Journal of Economic Dynamics and Control, 2002, 26, 1651-1675.	0.9	14
29	The IEEE P1520 standards initiative for programmable network interfaces. , 1998, 36, 64-70.		116
30	A Survey of Access Methods for Image Data. International Journal of Software Engineering and Knowledge Engineering, 1997, 07, 305-319.	0.6	2
31	Chapter 8 Artificial intelligence in economics and finance: A state of the art " 1994. Handbook of Computational Economics, 1996, 1, 405-439.	1.6	1
32	AN INTELLIGENT CAMERA FOR ACTIVE VISION. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 33-42.	0.7	2
33	Knowledge and information transfer in agriculture using hypermedia: a system review. Computers and Electronics in Agriculture, 1995, 12, 83-119.	3.7	16
34	Common theoretical formulation of the pattern recognition, identification, and detection problems. Annals of Mathematics and Artificial Intelligence, 1994, 10, 175-191.	0.9	0
35	PDL-HM: morphological and syntactic shape classification algorithm. Machine Vision and Applications, 1994, 7, 59-68.	1.7	9
36	A Knowledge Based Sensor Fusion Editor. , 1993, , 325-341.		0

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37	Fish quality control by computer vision. Food Control, 1992, 3, 62.	2.8	0
38	Explanation facility for neural networks. Journal of Intelligent and Robotic Systems: Theory and Applications, 1992, 5, 193-206.	2.0	6
39	Context knowledge and search control issues in object-oriented Prolog-based image understanding. Pattern Recognition Letters, 1992, 13, 279-290.	2.6	9
40	Computational Economics and Econometrics. Advanced Studies in Theoretical and Applied Econometrics, 1992, , .	0.1	13
41	Active Perception and Robot Vision. , 1992, , .		3
42	Expert Systems in Economics, Banking and Management. Journal of the Operational Research Society, 1991, 42, 345-345.	2.1	0
43	Technical analysis for portfolio trading by syntactic pattern recognition. Journal of Economic Dynamics and Control, 1991, 15, 715-730.	0.9	5
44	Temporal reasoning in blood gas diagnosis. Expert Systems, 1991, 8, 159-170.	2.9	4
45	Visual logic programming. Journal of Visual Languages and Computing, 1991, 2, 3-15.	1.8	7
46	A knowledge-based sensor fusion editor. IEEE Transactions on Systems, Man, and Cybernetics, 1991, 21, 1251-1259.	0.9	0
47	Artificial intelligence and financial services. IEEE Transactions on Knowledge and Data Engineering, 1991, 3, 137-148.	4.0	15
48	Neural network signal understanding for instrumentation. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 558-564.	2.4	33
49	Behavioral knowledge in sensor/data fusion systems. Journal of Field Robotics, 1990, 7, 295-308.	0.7	11
50	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
51	Knowledge-based mortgage-loan credit granting and risk assessment. Journal of Economic Dynamics and Control, 1990, 14, 255-262.	0.9	7
52	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
53	Neural Signal Understanding for Instrumentation. , 1990, , 437-454.		1
54	Applications of Artificial Intelligence in banking, financial services and economics. , 1990, , 22-46.		3

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55	Knowledge representation approaches in sensor fusion. Automatica, 1989, 25, 207-214.	3.0	18
56	Sensor data fusion. Journal of Intelligent and Robotic Systems: Theory and Applications, 1988, 1, 103-116.	2.0	52
57	SOFTM: a software maintenance expert system in Prolog. , 1988, , .		0
58	15 Applications of pattern recognition in failure diagnosis and quality control. Handbook of Statistics, 1988, 7, 281-311.	0.4	0
59	Test System Impact on System Availability. IEEE Transactions on Aerospace and Electronic Systems, 1987, AES-23, 625-633.	2.6	1
60	Artificial intelligence in economics and management. European Journal of Operational Research, 1987, 28, 110.	3.5	0
61	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
62	Survey of expert systems for fault detection, test generation and maintenance. Expert Systems, 1986, 3, 100-110.	2.9	94
63	Failure Diagnosis and Performance Monitoring. IEEE Transactions on Reliability, 1986, 35, 477-477.	3.5	41
64	A picture and text query and archiving system. Pattern Recognition Letters, 1986, 4, 477-480.	2.6	5
65	Inference of the structure of economic reasoning from natural language analysis. Decision Support Systems, 1985, 1, 313-321.	3.5	6
66	Failure detection processes by an expert system and hybrid pattern recognition. Pattern Recognition Letters, 1984, 2, 419-425.	2.6	7
67	An introduction to infrared image acquisition and classification systems. Optics and Laser Technology, 1984, 16, 274-275.	2.2	0
68	Game theoretical signal classification: Application to imperfect or non-cooperative learning. Geoprocessing, 1984, 23, 161-170.	0.2	1
69	Approaches to industrial image processing and their limitations. Electronics and Power, 1984, 30, 135.	0.0	2
70	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
71	A Software Package for Statistical Quality Control of Instrumentation. IEEE Transactions on Reliability, 1984, R-33, 172-175.	3.5	1
72	INFERENCE OF THE STRUCTURE OF ECONOMIC REASONING FROM NATURAL LANGUAGE ANALYSIS. , 1984, , 157-163.		0

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73	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
74	Multivariate Sampling Plans in Quality Control: A Numerical Example. IEEE Transactions on Reliability, 1983, R-32, 359-365.	3.5	1
75	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
76	An infra-red source classification system. Pattern Recognition, 1981, 14, 283-288.	5.1	3
77	Automatic inspection by lots in the presence of classification errors. Pattern Recognition, 1980, 12, 237-241.	5.1	7
78	A Fault Tree Approach to Quality Control by Variables. IEEE Transactions on Reliability, 1979, R-28, 344-352.	3.5	1
79	Design of a suboptimal Kalman filter of very high reliability and speed, with internal reconfiguration and failure localization. IEEE Transactions on Circuits and Systems, 1979, 26, 565-574.	0.9	1
80	A controlled linearized kalman filter for economic forecasting and adaptive modelling. Automatica, 1978, 14, 119-128.	3.0	6
81	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
82	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
83	An adaptive signal classification procedure. Application to aircraft engine condition monitoring. Pattern Recognition, 1977, 9, 121-130.	5.1	9
84	Two-Level Planning with Conflicting Goals. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1976, 9, 533-538.	0.4	3
85	Two-Level Planning with Conflicting Goals. Lecture Notes in Economics and Mathematical Systems, 1976, , 263-273.	0.3	2
86	A differential game among sectors in a macroeconomy. Automatica, 1975, 11, 473-485.	3.0	17
87	Differential Games and a Nash Equilibrium Searching Algorithm. SIAM Journal on Control and Optimization, 1975, 13, 835-852.	1.6	8
88	Applications of pattern recognition to the diagnosis of equipment failures. Pattern Recognition, 1974, 6, 3-11.	5.1	20
89	Diagnosis of Equipment Failures by Pattern Recognition. IEEE Transactions on Reliability, 1974, R-23, 202-208.	3.5	12
90	Computer vision for electronics manufacturing. , 0, , .		1

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91	An optimisation model for a two-node router network. , 0, , .		2
92	Introduction of 3rd Generation Wireless Services in a Multi-Enterprise VPN Environment: Case of the Port of Rotterdam. , 0, , .		0
93	Wireless Enabled Clothing: New Modular Technologies and Overall Supply Chain Impact. SSRN Electronic Journal, 0, , .	0.4	0
94	Smart Business Networks: Architectural Aspects and Risks. SSRN Electronic Journal, 0, , .	0.4	2
95	Negotiation Games for Individual Services and Tariffs in Wireless Communications. SSRN Electronic Journal, 0, , .	0.4	2
96	Green Wired Networks. , 0, , 41-80.		1
97	Smart Business Networks: Their Evolution. SSRN Electronic Journal, 0, , .	0.4	0
98	Coloured Algebras and Biological Response in Quantum Biological Computing Architectures. SSRN Electronic Journal, 0, , .	0.4	0
99	Energy Storage in Communications & Data Center Infrastructures. SSRN Electronic Journal, 0, , .	0.4	0
100	Case "Mobile-INTEGRAL". , 0, , 235-245.		0