Franco Pellerey

List of Publications by Year in descending order

72 papers	1,390 citations	361413 20 h-index	377865 34 g-index
73 all docs	73 docs citations	73 times ranked	703 citing authors

#	Article	IF	Citations
1	Subjective and objective assessment of acoustical and overall environmental quality in secondary school classrooms. Journal of the Acoustical Society of America, 2008, 123, 163-173.	1.1	155
2	New partial ordering of survival functions based on the notion of uncertainty. Journal of Applied Probability, 1995, 32, 202-211.	0.7	109
3	New partial orderings and applications. Naval Research Logistics, 1993, 40, 829-842.	2.2	63
4	FURTHER RESULTS INVOLVING THE MIT ORDER AND THE IMIT CLASS. Probability in the Engineering and Informational Sciences, 2005, 19, 377-395.	0.8	62
5	Preservation of certain classes of life distributions under Poisson shock models. Journal of Applied Probability, 1994, 31, 458-465.	0.7	58
6	Generalized Marshallâ€“Olkin distributions and related bivariate aging properties. Journal of Multivariate Analysis, 2011, 102, 1399-1409.	1.0	57
7	NONHOMOGENEOUS POISSON PROCESSES AND LOGCONCAVITY. Probability in the Engineering and Informational Sciences, 2000, 14, 353-373.	0.8	54
8	On prices' evolutions based on geometric telegrapher's process. Applied Stochastic Models in Business and Industry, 2002, 18, 171-184.	1.5	52
9	Orderings of coherent systems with randomized dependent components. European Journal of Operational Research, 2015, 240, 127-139.	5.7	52
10	A characterization of the dilation order and its applications. Statistical Papers, 1999, 40, 393-406.	1.2	46
11	Windblown sand saltation: A statistical approach to fluid threshold shear velocity. Aeolian Research, 2016, 23, 79-91.	2.7	39
12	Partial orderings under cumulative damage shock models. Advances in Applied Probability, 1993, 25, 939-946.	0.7	32
13	Influence of Classroom Acoustics on Noise Disturbance and Well-Being for First Graders. Frontiers in Psychology, 2019, 10, 2736.	2.1	32
14	Closure property of the NBUC class under formation of parallel systems. IEEE Transactions on Reliability, 2002, 51, 452-454.	4.6	31
15	A one-school year longitudinal study of secondary school teachers' voice parameters and the influence of classroom acoustics. Journal of the Acoustical Society of America, 2017, 142, 1055-1066.	1.1	27
16	Mean residual life and increasing convex comparison of shock models. Statistics and Probability Letters, 1994, 20, 337-345.	0.7	25
17	Characterizations of the IFR and DFR aging notions by means of the dispersive order. Statistics and Probability Letters, 1997, 33, 389-393.	0.7	25
18	The dilation order, the dispersion order, and orderings of residual lives. Statistics and Probability Letters, 1997, 33, 263-275.	0.7	24

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19	Estimation of the daylight amount and the energy demand for lighting for the early design stages: Definition of a set of mathematical models. Energy and Buildings, 2017, 155, 151-165.	6.7	24
20	Stochastic comparisons of series and parallel systems with randomized independent components. Operations Research Letters, 2011, 39, 380-384.	0.7	22
21	Comparison results for inactivity times of k-out-of-n and general coherent systems with dependent components. Test, 2017, 26, 822-846.	1.1	21
22	Stochastic Comparisons for Multivariate Shock Models. Journal of Multivariate Analysis, 1999, 71, 42-55.	1.0	20
23	Bivariate Aging Properties under Archimedean Dependence Structures. Communications in Statistics - Theory and Methods, 2010, 39, 3108-3121.	1.0	20
24	A multivariate non-linear regression model to predict the energy demand for lighting in rooms with different architectural features and lighting control systems. Energy and Buildings, 2014, 76, 151-163.	6.7	19
25	Comparison of hazard rates for dependent random variables. Statistics, 2016, 50, 630-648.	0.6	18
26	Shock models by underlying counting process. Journal of Applied Probability, 1994, 31, 156-166.	0.7	17
27	New partial ordering of survival functions based on the notion of uncertainty. Journal of Applied Probability, 1995, 32, 202-211.	0.7	16
28	Preservation of association in multivariate shock and claim models. Operations Research Letters, 2002, 30, 223-230.	0.7	15
29	Negative aging and stochastic comparisons of residual lifetimes in multivariate frailty models. Journal of Statistical Planning and Inference, 2010, 140, 1594-1600.	0.6	15
30	Partial orderings under cumulative damage shock models. Advances in Applied Probability, 1993, 25, 939-946.	0.7	14
31	Characterizations of the hazard rate order and IFR aging notion. Statistics and Probability Letters, 2004, 70, 235-242.	0.7	13
32	A Note on the Portfolio Selection Problem. Theory and Decision, 2005, 59, 295-306.	1.0	12
33	Portfolio selection through an extremality stochastic order. Insurance: Mathematics and Economics, 2012, 51, 1-9.	1.2	12
34	Some Results and Applications of Geometric Counting Processes. Methodology and Computing in Applied Probability, 2019, 21, 203-233.	1.2	12
35	On the role of dependence in residual lifetimes. Statistics and Probability Letters, 2019, 153, 56-64.	0.7	12
36	CONVEX COMPARISONS FOR RANDOM SUMS IN RANDOM ENVIRONMENTS AND APPLICATIONS. Probability in the Engineering and Informational Sciences, 2008, 22, 389-413.	0.8	11

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37	Preservation of ILR and IFR aging classes in sums of dependent random variables. Applied Stochastic Models in Business and Industry, 2022, 38, 240-261.	1.5	11
38	Incoming windblown sand drift to civil infrastructures: A probabilistic evaluation. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 166, 37-47.	3.9	10
39	Variability of total claim amounts under dependence between claims severity and number of events. Insurance: Mathematics and Economics, 2006, 38, 460-468.	1.2	9
40	Stochastic comparisons for time transformed exponential models. Insurance: Mathematics and Economics, 2010, 46, 328-333.	1.2	9
41	A note on relationships between some univariate stochastic orders and the corresponding joint stochastic orders. Metrika, 2015, 78, 399-414.	0.8	9
42	On the preservation of some orderings of risks under convolution. Insurance: Mathematics and Economics, 1995, 16, 23-30.	1.2	8
43	Random vectors with HNBUE-type marginal distributions. Statistics and Probability Letters, 2000, 50, 265-271.	0.7	8
44	Multivariate Aging with Archimedean Dependence Structures in High Dimensions. Communications in Statistics - Theory and Methods, 2013, 42, 2056-2070.	1.0	8
45	Stochastic Comparison of Some Wear Processes. Probability in the Engineering and Informational Sciences, 1993, 7, 421-435.	0.8	7
46	A characterization of the multivariate excess wealth ordering. Insurance: Mathematics and Economics, 2011, 49, 410-417.	1.2	7
47	Weak Dependence Notions and Their Mutual Relationships. Mathematics, 2021, 9, 81.	2.2	7
48	Improving series and parallel systems through mixtures of duplicated dependent components. Naval Research Logistics, 2011, 58, 411-418.	2.2	6
49	On a new NBUE property in multivariate sense: An application. Computational Statistics and Data Analysis, 2011, 55, 3283-3294.	1.2	6
50	Bayesian hierarchical models to analyze customer satisfaction data for quality improvement: a case study. Applied Stochastic Models in Business and Industry, 2012, 28, 571-584.	1.5	6
51	On Used Systems and Systems with Used Components. Lecture Notes in Statistics, 2013, , 219-233.	0.2	6
52	On rankings and top choices in random utility models with dependent utilities. Metrika, 2007, 66, 197-212.	0.8	5
53	Some new conditions for the increasing convex comparison of risks. Scandinavian Actuarial Journal, 1997, 1997, 38-47.	1.7	4
54	On lifetimes in random environments. Naval Research Logistics, 1998, 45, 365-375.	2.2	3

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55	Stochastic monotonicity of dependent variables given their sum. Test, 0, , 1.	1.1	3
56	Correction note to â€œOn the preservation of some orderings of risks under convolutionâ€ Insurance: Mathematics and Economics, 1996, 19, 81-83.	1.2	2
57	Stochastic comparison of processes generated by random interruptions of monotone functions and related results. Lifetime Data Analysis, 1996, 2, 91-112.	0.9	2
58	Moment inequalities for sums of DMRL random variables. Journal of Applied Probability, 1997, 34, 525-535.	0.7	2
59	Stochastic Comparisons of Symmetric Supermodular Functions of Heterogeneous Random Vectors. Journal of Applied Probability, 2013, 50, 464-474.	0.7	2
60	Stochastic Comparisons of Symmetric Supermodular Functions of Heterogeneous Random Vectors. Journal of Applied Probability, 2013, 50, 464-474.	0.7	2
61	Joint weak hazard rate order under non-symmetric copulas. Dependence Modeling, 2016, 4, .	0.5	2
62	General Marshallâ€“Olkin Models, Dependence Orders, and Comparisons of Environmental Processes. Springer Proceedings in Mathematics and Statistics, 2015, , 51-64.	0.2	2
63	Stochastic Bounds for the Sparre Andersen Process. Methodology and Computing in Applied Probability, 2005, 7, 225-247.	1.2	1
64	Comparison Results for Branching Processes in Random Environments. Journal of Applied Probability, 2007, 44, 142-150.	0.7	1
65	Comparisons of concordance in additive models. Statistics and Probability Letters, 2012, 82, 2059-2067.	0.7	1
66	Comparison Results for GARCH Processes. Journal of Applied Probability, 2014, 51, 685-698.	0.7	1
67	A positive dependence notion based on componentwise unimodality of copulas. Statistics and Probability Letters, 2016, 112, 51-57.	0.7	1
68	Ageing and stochastic comparisons for a covariate failure model. Journal of Applied Probability, 2002, 39, 421-425.	0.7	1
69	Comparison Results for Branching Processes in Random Environments. Journal of Applied Probability, 2007, 44, 142-150.	0.7	1
70	Shock models by underlying counting process. Journal of Applied Probability, 1994, 31, 156-166.	0.7	0
71	Multivariate Processing of Accelerometric Condition Indicators â˜… â˜…This project has been developed under research contract granted by AgustaWestland. The authors wish to express their gratitude to the health monitoring team of AgustaWestland and in particular to Alberto Bellazzi and Bruno Maino for their encouragement and support.. IFAC-PapersOnLine, 2015, 48, 571-576.	0.9	0
72	On sums of dependent random lifetimes under the time-transformed exponential model. Test, 0, , 1.	1.1	0