

Juan Fernández-Sánchez

List of Publications by Year in descending order

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97
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of all copulas associated with non-continuous random variables. <i>Fuzzy Sets and Systems</i> , 2012, 191, 103-112.	2.7	44
2	A topological proof of Sklar's theorem. <i>Applied Mathematics Letters</i> , 2013, 26, 945-948.	2.7	40
3	Copulas, diagonals, and tail dependence. <i>Fuzzy Sets and Systems</i> , 2015, 264, 22-41.	2.7	35
4	Sklar's theorem obtained via regularization techniques. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 769-774.	1.1	29
5	Conditioning-based metrics on the space of multivariate copulas and their interrelation with uniform and levelwise convergence and Iterated Function Systems. <i>Journal of Theoretical Probability</i> , 2015, 28, 1311-1336.	0.8	28
6	Idempotent and multivariate copulas with fractal support. <i>Journal of Statistical Planning and Inference</i> , 2012, 142, 3086-3096.	0.6	27
7	Multivariate patchwork copulas: A unified approach with applications to partial comonotonicity. <i>Insurance: Mathematics and Economics</i> , 2013, 53, 897-905.	1.2	27
8	Measure-Preserving Functions and the Independence Copula. <i>Mediterranean Journal of Mathematics</i> , 2011, 8, 431-450.	0.8	26
9	Some results on shuffles of two-dimensional copulas. <i>Journal of Statistical Planning and Inference</i> , 2013, 143, 251-260.	0.6	23
10	Multivariate copulas, quasi-copulas and lattices. <i>Statistics and Probability Letters</i> , 2011, 81, 1365-1369.	0.7	22
11	Bivariate copulas generated by perturbations. <i>Fuzzy Sets and Systems</i> , 2013, 228, 137-144.	2.7	21
12	Multivariate shuffles and approximation of copulas. <i>Statistics and Probability Letters</i> , 2010, 80, 1827-1834.	0.7	20
13	Bivariate quasi-copulas and doubly stochastic signed measures. <i>Fuzzy Sets and Systems</i> , 2011, 168, 81-88.	2.7	20
14	On the $\hat{\mu}$ -migrativity of multivariate semi-copulas. <i>Information Sciences</i> , 2012, 187, 216-223.	6.9	20
15	A note on the notion of singular copula. <i>Fuzzy Sets and Systems</i> , 2013, 211, 120-122.	2.7	19
16	A copula-based family of fuzzy implication operators. <i>Fuzzy Sets and Systems</i> , 2013, 211, 55-61.	2.7	19
17	Convergence results for patchwork copulas. <i>European Journal of Operational Research</i> , 2015, 247, 525-531.	5.7	17
18	Mass distributions of two-dimensional extreme-value copulas and related results. <i>Extremes</i> , 2016, 19, 405-427.	1.0	17

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19	Multivariate copulas with hairpin support. <i>Journal of Multivariate Analysis</i> , 2014, 130, 323-334.	1.0	16
20	ON THE CLASSES OF COPULAS AND QUASI-COPULAS WITH A GIVEN DIAGONAL SECTION. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2011, 19, 1-10.	1.9	15
21	Singular Functions with Applications to Fractal Dimensions and Generalized Takagi Functions. <i>Acta Applicandae Mathematicae</i> , 2012, 119, 129-148.	1.0	14
22	Copulas with continuous, strictly increasing singular conditional distribution functions. <i>Journal of Mathematical Analysis and Applications</i> , 2014, 410, 1014-1027.	1.0	14
23	On the approximation of copulas via shuffles of Min. <i>Statistics and Probability Letters</i> , 2012, 82, 1761-1767.	0.7	13
24	Copulas and associated fractal sets. <i>Journal of Mathematical Analysis and Applications</i> , 2012, 386, 528-541.	1.0	13
25	Some members of the class of (quasi-)copulas with given diagonal from the Markov kernel perspective. <i>Communications in Statistics - Theory and Methods</i> , 2016, 45, 1508-1526.	1.0	13
26	Baire category results for exchangeable copulas. <i>Fuzzy Sets and Systems</i> , 2016, 284, 146-151.	2.7	13
27	On the extension of signature-based representations for coherent systems with dependent non-exchangeable components. <i>Journal of Applied Probability</i> , 2020, 57, 429-440.	0.7	13
28	The Hausdorff dimension of the level sets of Takagi's function. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 5081-5087.	1.1	12
29	On the singular components of a copula. <i>Journal of Applied Probability</i> , 2015, 52, 1175-1182.	0.7	12
30	Extensions of subcopulas. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 452, 1-15.	1.0	12
31	Absolutely continuous copulas with given sub-diagonal section. <i>Fuzzy Sets and Systems</i> , 2013, 228, 105-113.	2.7	11
32	Singularity aspects of Archimedean copulas. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 432, 103-113.	1.0	11
33	On the duality of aggregation operators and k-negations. <i>Fuzzy Sets and Systems</i> , 2011, 181, 14-27.	2.7	10
34	A typical copula is singular. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 430, 517-527.	1.0	10
35	On $(\hat{\pm}, \hat{\pm}^2)$ -homogeneous copulas. <i>Information Sciences</i> , 2013, 221, 181-191.	6.9	9
36	Characterization of copulas with given diagonal and opposite diagonal sections. <i>Fuzzy Sets and Systems</i> , 2016, 284, 63-77.	2.7	9

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37	A Salem generalised function. <i>Acta Mathematica Hungarica</i> , 2017, 151, 361-378.	0.5	9
38	A singular function with a non-zero finite derivative. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 5010-5014.	1.1	8
39	A note on quasi-copulas and signed measures. <i>Fuzzy Sets and Systems</i> , 2014, 234, 109-112.	2.7	8
40	Diagonal plane sections of trivariate copulas. <i>Information Sciences</i> , 2016, 333, 81-87.	6.9	8
41	Proving Sklar's Theorem Via Zorn's Lemma. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2018, 26, 81-85.	1.9	8
42	Constructions of copulas with given diagonal (and opposite diagonal) sections and some generalizations. <i>Dependence Modeling</i> , 2018, 6, 139-155.	0.5	8
43	PCF self-similar sets and fractal interpolation. <i>Mathematics and Computers in Simulation</i> , 2013, 92, 28-39.	4.4	7
44	The distribution of the probability mass of conic copulas. <i>Fuzzy Sets and Systems</i> , 2016, 284, 138-145.	2.7	7
45	Independence results for multivariate tail dependence coefficients. <i>Fuzzy Sets and Systems</i> , 2016, 284, 129-137.	2.7	7
46	Extreme biconic copulas: Characterization, properties and extensions to aggregation functions. <i>Information Sciences</i> , 2019, 487, 128-141.	6.9	7
47	New results on discrete copulas and quasi-copulas. <i>Fuzzy Sets and Systems</i> , 2021, 415, 89-98.	2.7	7
48	Flipping of multivariate aggregation functions. <i>Fuzzy Sets and Systems</i> , 2014, 252, 66-75.	2.7	6
49	Moments and associated measures of copulas with fractal support. <i>Applied Mathematics and Computation</i> , 2012, 218, 8634-8644.	2.2	5
50	Copulas with given track and opposite track sections: Solution to a problem on diagonals. <i>Fuzzy Sets and Systems</i> , 2017, 308, 133-137.	2.7	5
51	Maximum asymmetry of copulas revisited. <i>Dependence Modeling</i> , 2018, 6, 47-62.	0.5	5
52	On degrees of asymmetry of a copula with respect to a track. <i>Fuzzy Sets and Systems</i> , 2019, 354, 104-115.	2.7	5
53	Extensions of Discrete Copulas to Sparse Copulas. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 3546-3551.	9.8	5
54	On the existence of a trivariate copula with given values of a trivariate quasi-copula at several points. <i>Fuzzy Sets and Systems</i> , 2013, 228, 3-14.	2.7	4

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55	Harmonic analysis on the Sierpiński gasket and singular functions. <i>Acta Mathematica Hungarica</i> , 2013, 143, 58.	0.5	4
56	On the interrelation between Dempster–Shafer Belief Structures and their Belief Cumulative Distribution Functions. <i>Knowledge-Based Systems</i> , 2013, 52, 107-113.	7.1	4
57	The distribution of the probability mass of biconic copulas. <i>Information Sciences</i> , 2016, 329, 177-183.	6.9	4
58	A singular function with a non-zero finite derivative on a dense set with Hausdorff dimension one. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 434, 713-728.	1.0	4
59	Copulas with given values on the tails. <i>International Journal of Approximate Reasoning</i> , 2017, 85, 59-67.	3.3	4
60	RELATIONSHIPS BETWEEN IMPORTANCE MEASURES AND REDUNDANCY IN SYSTEMS WITH DEPENDENT COMPONENTS. <i>Probability in the Engineering and Informational Sciences</i> , 2020, 34, 583-604.	0.8	4
61	Connecting copula properties with reliability properties of coherent systems. <i>Applied Stochastic Models in Business and Industry</i> , 2021, 37, 496-512.	1.5	4
62	How to Prove Sklar’s Theorem. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 85-90.	0.6	4
63	Some results on homeomorphisms between fractal supports of copulas. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2013, 85, 132-144.	1.1	3
64	A singular function with a non-zero finite derivative on a dense set. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2014, 95, 703-713.	1.1	3
65	Associative Copulas: A Survey. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 25-40.	0.8	3
66	A note on singularity of a recently introduced family of Minkowski’s question-mark functions. <i>Comptes Rendus Mathématique</i> , 2017, 355, 956-959.	0.3	3
67	Solution to two open problems on perturbations of the product copula. <i>Fuzzy Sets and Systems</i> , 2019, 354, 116-122.	2.7	3
68	Zero-linear copulas. <i>Information Sciences</i> , 2019, 503, 23-38.	6.9	3
69	Lineability and integrability in the sense of Riemann, Lebesgue, Denjoy, and Khintchine. <i>Journal of Mathematical Analysis and Applications</i> , 2020, 492, 124433.	1.0	3
70	Some properties of double shuffles of bivariate copulas and (extreme) copulas invariant with respect to L ¹ / ₄ roth double shuffles. <i>Fuzzy Sets and Systems</i> , 2021, 428, 102-102.	2.7	3
71	Markov product invariance in classes of bivariate copulas characterized by univariate functions. <i>Journal of Mathematical Analysis and Applications</i> , 2021, 501, 125184.	1.0	3
72	Semi-polynomial copulas. <i>Journal of Nonparametric Statistics</i> , 2014, 26, 129-140.	0.9	2

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73	On the singular components of a copula. <i>Journal of Applied Probability</i> , 2015, 52, 1175-1182.	0.7	2
74	A family of singular functions and its relation to harmonic fractal analysis and fuzzy logic. <i>Open Mathematics</i> , 2016, 14, 1039-1052.	1.0	2
75	Best-possible bounds on the set of copulas with a given value of Spearman's footrule. <i>Fuzzy Sets and Systems</i> , 2022, 428, 138-152.	2.7	2
76	On the Size of Subclasses of Quasi-Copulas and Their Dedekind-MacNeille Completion. <i>Mathematics</i> , 2020, 8, 2238.	2.2	2
77	Baire category results for quasi-copulas. <i>Dependence Modeling</i> , 2016, 4, .	0.5	2
78	Proving the characterization of Archimedean copulas via Dini derivatives. <i>Kybernetika</i> , 0, , 785-790.	0.0	2
79	A generalization of a copula-based construction of fuzzy implications. <i>Fuzzy Sets and Systems</i> , 2022, , .	2.7	2
80	Solution to an open problem about a transformation on the space of copulas. <i>Dependence Modeling</i> , 2014, 2, .	0.5	1
81	Copulae, Self-Affine Functions, and Fractal Dimensions. <i>Mediterranean Journal of Mathematics</i> , 2014, 11, 1275-1287.	0.8	1
82	A Note on the Compatibility of Bivariate Copulas. <i>Communications in Statistics - Theory and Methods</i> , 2014, 43, 1918-1923.	1.0	1
83	A Characterization of the Orthogonal Grid Constructions of Copulas. <i>IEEE Transactions on Fuzzy Systems</i> , 2014, 22, 1045-1047.	9.8	1
84	Pisot numbers and strong negations. <i>Chaos, Solitons and Fractals</i> , 2017, 104, 61-67.	5.1	1
85	Spatially homogeneous copulas. <i>Annals of the Institute of Statistical Mathematics</i> , 2020, 72, 607-626.	0.8	1
86	Construction of Copulas with Hairpin Support. <i>Mediterranean Journal of Mathematics</i> , 2021, 18, 1.	0.8	1
87	Extreme semilinear copulas. <i>Fuzzy Sets and Systems</i> , 2020, 428, 121-121.	2.7	1
88	A note on the Hausdorff dimension of general sums of pulses graphs. <i>Rendiconti Del Circolo Matematico Di Palermo</i> , 2011, 60, 469-476.	1.3	0
89	A note on bivariate Archimax copulas. <i>Dependence Modeling</i> , 2018, 6, 178-182.	0.5	0
90	A note on an idempotent transformation of absolutely continuous Archimedean copulas. <i>Fuzzy Sets and Systems</i> , 2020, 393, 160-166.	2.7	0

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91	Zero-sets of copulas. Fuzzy Sets and Systems, 2020, 393, 143-159.	2.7	0
92	On the Structure of the Classes of Copulas and Quasi-Copulas with a Given Diagonal Section. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2020, 28, 513-524.	1.9	0
93	On the measure induced by copulas that are invariant under univariate truncation. Fuzzy Sets and Systems, 2022, , .	2.7	0
94	A study of topological conjugacies between alternate representation systems. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2022, 116, .	1.2	0