Heriberto Roman-Flores

List of Publications by Year
in descending order

68	2,485	218677	197818
papers	citations	26 h-index	49 g-index

68	68	68	677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On new solutions of fuzzy differential equations. Chaos, Solitons and Fractals, 2008, 38, 112-119.	5.1	365
2	Calculus for interval-valued functions using generalized Hukuhara derivative and applications. Fuzzy Sets and Systems, 2013, 219, 49-67.	2.7	150
3	Fuzzy differential equations and the extension principle. Information Sciences, 2007, 177, 3627-3635.	6.9	139
4	Generalized derivative and Ï€-derivative for set-valued functions. Information Sciences, 2011, 181, 2177-2188.	6.9	133
5	Comparation between some approaches to solve fuzzy differential equations. Fuzzy Sets and Systems, 2009, 160, 1517-1527.	2.7	129
6	A Jensen type inequality for fuzzy integrals. Information Sciences, 2007, 177, 3192-3201.	6.9	109
7	Some integral inequalities for fuzzy-interval-valued functions. Information Sciences, 2017, 420, 110-125.	6.9	96
8	A note on transitivity in set-valued discrete systems. Chaos, Solitons and Fractals, 2003, 17, 99-104.	5.1	95
9	A Chebyshev type inequality for fuzzy integrals. Applied Mathematics and Computation, 2007, 190, 1178-1184.	2.2	95
10	Some integral inequalities for interval-valued functions. Computational and Applied Mathematics, 2018, 37, 1306-1318.	1.3	90
11	A note on Zadeh's extensions. Fuzzy Sets and Systems, 2001, 117, 327-331.	2.7	75
12	Embedding of level-continuous fuzzy sets on Banach spaces. Information Sciences, 2002, 144, 227-247.	6.9	71
13	The fuzzy integral for monotone functions. Applied Mathematics and Computation, 2007, 185, 492-498.	2.2	60
14	Opial-type inequalities for interval-valued functions. Fuzzy Sets and Systems, 2019, 358, 48-63.	2.7	53
15	Distance measures for Interval Type-2 fuzzy numbers. Discrete Applied Mathematics, 2015, 197, 93-102.	0.9	52
16	Robinsonâ€™s chaos in set-valued discrete systemsâ˜†. Chaos, Solitons and Fractals, 2005, 25, 33-42.	5.1	50
17	Some chaotic properties of Zadehâ€™s extensions. Chaos, Solitons and Fractals, 2008, 35, 452-459.	5.1	42
18	H-continuity of fuzzy measures and set defuzzification. Fuzzy Sets and Systems, 2006, 157, 230-242.	2.7	41

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19	SUGENO INTEGRAL AND GEOMETRIC INEQUALITIES. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2007, 15, 1-11.	1.9	41
20	Some remarks on fuzzy differential equations via differential inclusions. Fuzzy Sets and Systems, 2013, 230, 3-20.	2.7	39
21	A Hardy-type inequality for fuzzy integrals. Applied Mathematics and Computation, 2008, 204, 178-183.	2.2	38
22	A convolution type inequality for fuzzy integrals. Applied Mathematics and Computation, 2008, 195, 94-99.	2.2	34
23	The compactness of E(X). Applied Mathematics Letters, 1998, 11, 13-17.	2.7	31
24	On the equivalence of convergences of fuzzy sets. Fuzzy Sets and Systems, 1996, 80, 217-224.	2.7	30
25	An Ostrowski type inequality for interval-valued functions. , 2013, , .		30
26	Markov type inequalities for fuzzy integrals. Applied Mathematics and Computation, 2009, 207, 242-247.	2.2	27
27	On the level-continuity of fuzzy integrals. Fuzzy Sets and Systems, 1996, 80, 339-344.	2.7	26
28	The extension principle and a decomposition of fuzzy sets. Information Sciences, 2007, 177, 5394-5403.	6.9	25
29	A note on Gronwall type inequality for interval-valued functions. , 2013, , .		23
30	Generalized convexity in fuzzy vector optimization through a linear ordering. Information Sciences, 2015, 312, 13-24.	6.9	21
31	A generalization of the Minkowski embedding theorem and applications. Fuzzy Sets and Systems, 1999, 102, 263-269.	2.7	20
32	A note on fuzzy integral inequality of Stolarsky type. Applied Mathematics and Computation, 2008, 196, 55-59.	2.2	20
33	General Barnesâ€“Godunovaâ€“Levin type inequalities for Sugeno integral. Information Sciences, 2011, 181, 1072-1079.	6.9	18
34	Yager Index and Ranking for Interval Type-2 Fuzzy Numbers. IEEE Transactions on Fuzzy Systems, 2018, 26, 2709-2718.	9.8	17
35	On the approximation of compact fuzzy sets. Computers and Mathematics With Applications, 2011, 61, 412-420.	2.7	16
36	Stability of fixed points set of fuzzy contractions. Applied Mathematics Letters, 1998, 11, 33-37.	2.7	15

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37	Uniform convergence and transitivity. Chaos, Solitons and Fractals, 2008, 38, 148-153.	5.1	15
38	Fuzzy differential equations with generalized derivative. , 2008, , .		14
39	Convolution of fuzzy sets and applications. Computers and Mathematics With Applications, 2003, 46, 1245-1251.	2.7	13
40	Solution set for fractional differential equations with Riemann-Liouville derivative. Fractional Calculus and Applied Analysis, 2013, 16, .	2.2	12
41	M-convex fuzzy mappings and fuzzy integral mean. Computers and Mathematics With Applications, 2000, 40, 1117-1126.	2.7	11
42	Typeâ€“reduction of Interval Typeâ€“2 fuzzy numbers via the Chebyshev inequality. Fuzzy Sets and Systems, 2022, 435, 164-180.	2.7	11
43	Level-continuity of functions and applications. Computers and Mathematics With Applications, 1999, 38, 143-149.	2.7	10
44	An approximation to the extension principle using decomposition of fuzzy intervals. Fuzzy Sets and Systems, 2008, 159, 3245-3258.	2.7	10
45	A new type of approximation for fuzzy intervals. Fuzzy Sets and Systems, 2008, 159, 1376-1383.	2.7	9
46	On turbulent, erratic and other dynamical properties of Zadehâ€™s extensions. Chaos, Solitons and Fractals, 2011, 44, 990-994.	5.1	9
47	Wirtinger-type integral inequalities for interval-valued functions. Fuzzy Sets and Systems, 2020, 396, 102-114.	2.7	8
48	Gauss-type integral inequalities for interval and fuzzy-interval-valued functions. Computational and Applied Mathematics, 2019, 38, 1.	2.2	7
49	New properties of the switching points for the generalized Hukuhara differentiability and some results on calculus. Fuzzy Sets and Systems, 2021, 404, 62-74.	2.7	7
50	A TWO-DIMENSIONAL HARDY TYPE INEQUALITY FOR FUZZY INTEGRALS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2013, 21, 165-173.	1.9	6
51	The Karush-Kuhn-Tucker optimality conditions for a class of fuzzy optimization problems using strongly generalized derivative. , 2013, , .		5
52	Milne type inequality and interval orders. Computational and Applied Mathematics, 2021, 40, 1.	2.2	5
53	On multivalued fuzzy entropies. Fuzzy Sets and Systems, 1997, 86, 169-177.	2.7	4
54	A note on defuzzification of type-2 fuzzy intervals. Fuzzy Sets and Systems, 2020, 399, 133-145.	2.7	3

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55	On some characterizations of preinvex fuzzy mappings. Top, 2014, 22, 771-783.	1.6	2
56	Chaos on Set-Valued Dynamics and Control Sets. , 2018, , .		2
57	A Sugeno integral inequality of Carleman-Knopp type and some refinements. Fuzzy Sets and Systems, 2020, 396, 72-81.	2.7	2
58	A note on dynamics of interval extensions of interval functions. , 2015, , .		1
59	About the continuity of reachable sets of restricted affine control systems. Chaos, Solitons and Fractals, 2017, 94, 37-43.	5.1	1
60	On the relationship between the centroid and the footprint of uncertainty of Interval Type-2 fuzzy numbers. , 2020, , .		1
61	A Note on Chaos in Fuzzy Systems. , 2004, , 669-674.		1
62	Solving differential equations with fuzzy parameters. , 2008, , .		0
63	Set-valued characterizations of periodic density for discrete systems. , 2008, , .		0
64	A generalization on the approximation of compact fuzzy sets. , 2010, , .		0
65	Extended Chebyshev type inequality for Sugeno integral. , 2010, , .		0
66	A generalization of Ostrowski type inequalities for fuzzy-valued functions. , 2015, , .		0
67	Medidas Fuzzy. Proyecciones, 1985, 4, 147-151.	0.3	0
68	Transitivity of interval and fuzzy-interval extensions of interval functions. , 0, , .		0