Huo-Jun Ruan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8848372/publications.pdf

Version: 2024-02-01

28	469	759233 12	713466 21
papers	citations	h-index	g-index

29	29	29	116
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Box dimension and fractional integral of linear fractal interpolation functions. Journal of Approximation Theory, 2009, 161, 187-197.	0.8	80
2	Lipschitz equivalence of self-similar sets. Comptes Rendus Mathematique, 2006, 342, 191-196.	0.3	52
3	FRACTAL INTERPOLATION SURFACES ON RECTANGULAR GRIDS. Bulletin of the Australian Mathematical Society, 2015, 91, 435-446.	0.5	49
4	Lipschitz equivalence of Cantor sets and algebraic properties of contraction ratios. Transactions of the American Mathematical Society, 2012, 364, 1109-1126.	0.9	43
5	Gap sequence, Lipschitz equivalence and box dimension of fractal sets. Nonlinearity, 2008, 21, 1339-1347.	1.4	26
6	Lipschitz equivalence of generalized {1,3,5}-{1,4,5} self-similar sets. Science in China Series A: Mathematics, 2007, 50, 1537-1551.	0.5	25
7	The resolvent kernel for PCF self-similar fractals. Transactions of the American Mathematical Society, 2010, 362, 4451-4479.	0.9	21
8	Topological invariants and Lipschitz equivalence of fractal squares. Journal of Mathematical Analysis and Applications, 2017, 451, 327-344.	1.0	21
9	FRACTAL INTERPOLATION FUNCTIONS ON POST CRITICALLY FINITE SELF-SIMILAR SETS. Fractals, 2010, 18, 119-125.	3.7	19
10	Lipschitz equivalence of self-similar sets with touching structures. Nonlinearity, 2014, 27, 1299-1321.	1.4	19
11	Some properties of fractal interpolation functions on Sierpinski gasket. Journal of Mathematical Analysis and Applications, 2011, 380, 313-322.	1.0	16
12	Counterexamples in parameter identification problem of the fractal interpolation functions. Journal of Approximation Theory, 2003, 122, 121-128.	0.8	13
13	BOX DIMENSION OF BILINEAR FRACTAL INTERPOLATION SURFACES. Bulletin of the Australian Mathematical Society, 2018, 98, 113-121.	0.5	13
14	EXISTENCE AND BOX DIMENSION OF GENERAL RECURRENT FRACTAL INTERPOLATION FUNCTIONS. Bulletin of the Australian Mathematical Society, 2021, 103, 278-290.	0.5	8
15	Construction and box dimension of recurrent fractal interpolation surfaces. Journal of Fractal Geometry, 2021, 8, 261-288.	0.7	8
16	Sliding of self-similar sets. Science in China Series A: Mathematics, 2007, 50, 351-360.	0.5	7
17	The â€œhot spotsâ€•conjecture for the Sierpinski gasket. Nonlinear Analysis: Theory, Methods & Applications, 2012, 75, 469-476.	1.1	6
18	The â€œhot spotsâ€•conjecture on the level-3 Sierpinski gasket. Nonlinear Analysis: Theory, Methods & Applications, 2013, 81, 101-109.	1.1	5

#	Article	IF	Citations
19	LIPSCHITZ EQUIVALENCE OF CANTOR SETS AND IRREDUCIBILITY OF POLYNOMIALS. Mathematika, 2018, 64, 730-741.	0.5	5
20	RECURRENT FRACTAL INTERPOLATION SURFACES ON TRIANGULAR DOMAINS. Fractals, 2019, 27, 1950085.	3.7	5
21	Covering Maps and Periodic Functions on Higher Dimensional Sierpinski Gaskets. Canadian Journal of Mathematics, 2010, 61, 1151-1181.	0.6	3
22	A Counterexample to the â€œHot Spotsâ€•Conjecture on Nested Fractals. Journal of Fourier Analysis and Applications, 2018, 24, 210-225.	1.0	3
23	Gap sequences of fractal squares. Journal of Mathematical Analysis and Applications, 2019, 472, 1475-1486.	1.0	3
24	Gap sequences and Topological properties of Bedfordâ€“McMullen sets*. Nonlinearity, 2022, 35, 4043-4063.	1.4	3
25	When does a Bedford-McMullen carpet have equal Hausdorff and topological Hausdorff dimensions. Fractals, 0, , .	3.7	2
26	The "hot spots" conjecture on higher dimensional Sierpinski gaskets. Communications on Pure and Applied Analysis, 2015, 15, 287-297.	0.8	2
27	Maximal operators and Fourier transforms of self-similar measures. Chaos, Solitons and Fractals, 2006, 27, 121-126.	5.1	1
28	Energy and Laplacian of fractal interpolation functions. Applied Mathematics, 2017, 32, 201-210.	1.0	1