

Juan Seoane Sep̃olveda

List of Publications by Year in descending order

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128
papers

2,052
citations

279701

23
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129
all docs

129
docs citations

129
times ranked

255
citing authors

#	ARTICLE	IF	CITATIONS
1	Classical vs. non-Archimedean analysis: an approach via algebraic genericity. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2022, 116, 1.	0.6	3
2	Lineability, algebraicity, and sequences of random variables. Mathematische Nachrichten, 2022, 295, 861-875.	0.4	2
3	A population structure-sensitive mathematical model assessing the effects of vaccination during the third surge of COVID-19 in Italy. Journal of Mathematical Analysis and Applications, 2022, 514, 125975.	0.5	10
4	Hausdorff and Box dimensions of continuous functions and lineability. Linear and Multilinear Algebra, 2021, 69, 593-606.	0.5	2
5	Lineability, differentiable functions and special derivatives. Banach Journal of Mathematical Analysis, 2021, 15, 1.	0.4	3
6	A new approach towards estimating the n-dimensional Bohr radius. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2021, 115, 1.	0.6	7
7	A SIR-type model describing the successive waves of COVID-19. Chaos, Solitons and Fractals, 2021, 144, 110682.	2.5	36
8	Injectiveness and Discontinuity of Multiplicative Convex Functions. Mathematics, 2021, 9, 1035.	1.1	0
9	Geometry of spaces of homogeneous trinomials on \mathbb{R}^2 . Banach Journal of Mathematical Analysis, 2021, 15, 1.	0.4	6
10	Discontinuous, although highly differentiable, real functions and algebraic genericity. Journal of Mathematical Analysis and Applications, 2021, 502, 125264.	0.5	0
11	Healthy versus congestive heart failure patients—An approach via the Hurst parameter. Communications in Nonlinear Science and Numerical Simulation, 2021, 103, 106004.	1.7	0
12	Banach spaces and Banach lattices of singular functions. Studia Mathematica, 2021, 260, 167-193.	0.4	4
13	Additivity Coefficients for all Classes in the Algebra of Darboux-Like Maps on \mathbb{R} . Results in Mathematics, 2021, 76, 1.	0.4	7
14	Lineability, continuity, and antiderivatives in the non-Archimedean setting. Canadian Mathematical Bulletin, 2021, 64, 638-650.	0.3	4
15	Holomorphic surjectivity near the boundary: topological and algebraic genericity. Linear and Multilinear Algebra, 2020, 68, 1434-1456.	0.5	2
16	Algebraic genericity within the class of sup-measurable functions. Journal of Mathematical Analysis and Applications, 2020, 483, 123576.	0.5	6
17	Lineability and integrability in the sense of Riemann, Lebesgue, Denjoy, and Khintchine. Journal of Mathematical Analysis and Applications, 2020, 492, 124433.	0.5	3
18	Highly tempering infinite matrices II: From divergence to convergence via Toeplitz–Silverman matrices. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2020, 114, 1.	0.6	4

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19	Quantitative and qualitative estimates on the norm of products of polynomials. Israel Journal of Mathematics, 2020, 236, 727-745.	0.4	4
20	On the dimension of subspaces of continuous functions attaining their maximum finitely many times. Transactions of the American Mathematical Society, 2020, 373, 3063-3083.	0.5	13
21	A complete study of the geometry of 2-homogeneous polynomials on circle sectors. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2020, 114, 1.	0.6	3
22	Lineability and algebrability within p -adic function spaces. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2020, 27, .	0.1	3
23	Obtaining algebrability in subsets of real functions. Publicaciones Mathematicae, 2020, 96, 231-244.	0.1	4
24	Sharp Bernstein inequalities using convex analysis techniques. Mathematical Inequalities and Applications, 2020, , 725-750.	0.1	4
25	On the zero-set of 2-homogeneous polynomials in Banach spaces. Linear and Multilinear Algebra, 2019, 67, 1958-1970.	0.5	6
26	The convolution of two differentiable functions on the circle need not be differentiable. Revista Matematica Complutense, 2019, 32, 187-193.	0.7	1
27	Nowhere h -analytic functions and Pringsheim singular functions in the disc algebra. Monatshefte Fur Mathematik, 2019, 188, 591-609.	0.5	3
28	S -linear and convex structures in function families. Linear Algebra and Its Applications, 2019, 579, 463-483.	0.4	6
29	A century of Sierpiński-Zygmund functions. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2019, 113, 3863-3901.	0.6	18
30	Universality of sequences of operators related to Taylor series. Journal of Mathematical Analysis and Applications, 2019, 474, 480-491.	0.5	2
31	∞ -Continuous Restrictions of Arbitrary Functions. American Mathematical Monthly, 2019, 126, 547-552.	0.2	3
32	Algebraic genericity and the differentiability of the convolution. Journal of Approximation Theory, 2019, 241, 86-106.	0.5	1
33	Well-posedness for degenerate third order equations with delay and applications to inverse problems. Israel Journal of Mathematics, 2019, 229, 219-254.	0.4	17
34	Algebras of measurable extendable functions of maximal cardinality. Linear Algebra and Its Applications, 2019, 565, 258-266.	0.4	7
35	Generalized p value for multivariate Gaussian stochastic processes in continuous time. Statistical Papers, 2019, 60, 2013-2030.	0.7	0
36	Ordering among the topologies induced by various polynomial norms. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2019, 26, .	0.1	0

#	ARTICLE	IF	CITATIONS
37	Connected polynomials and continuity. <i>Journal of Mathematical Analysis and Applications</i> , 2018, 462, 298-304.	0.5	1
38	On the size of special families of linear operators. <i>Linear Algebra and Its Applications</i> , 2018, 544, 186-205.	0.4	3
39	On functions that are almost continuous and perfectly everywhere surjective but not Jones. Lineability and additivity. <i>Topology and Its Applications</i> , 2018, 235, 73-82.	0.2	6
40	Highly tempering infinite matrices. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2018, 112, 341-345.	0.6	6
41	Differentiability versus continuity: Restriction and extension theorems and monstrous examples. <i>Bulletin of the American Mathematical Society</i> , 2018, 56, 211-260.	0.8	31
42	Boundary-Nonregular Functions in the Disc Algebra and in Holomorphic Lipschitz Spaces. <i>Mediterranean Journal of Mathematics</i> , 2018, 15, 1.	0.4	1
43	Multiplicative structures of hypercyclic functions for convolution operators. <i>Journal of Operator Theory</i> , 2018, 80, 213-224.	0.2	1
44	Cardinal coefficients related to surjectivity, Darboux, and Sierpiński-Zygmund maps. <i>Proceedings of the American Mathematical Society</i> , 2017, 145, 1041-1052.	0.4	13
45	Equivalent norms in polynomial spaces and applications. <i>Journal of Mathematical Analysis and Applications</i> , 2017, 445, 1200-1220.	0.5	5
46	Infinite dimensional holomorphic non-extendability and algebraic genericity. <i>Linear Algebra and Its Applications</i> , 2017, 513, 149-159.	0.4	1
47	Non-Lipschitz differentiable functions on slit domains. <i>Revista Matematica Complutense</i> , 2017, 30, 269-279.	0.7	0
48	Self-similar functions, fractals and algebraic genericity. <i>Proceedings of the American Mathematical Society</i> , 2017, 145, 4151-4159.	0.4	6
49	Isomorphic copies of \hat{A}_1 for $m \in \mathbb{N}$ homogeneous non-analytic Bohnenblust-Hille polynomials. <i>Mathematische Nachrichten</i> , 2017, 290, 218-225.	0.4	1
50	Lineability within probability theory settings. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2017, 111, 673-684.	0.6	16
51	A hierarchy in the family of real surjective functions. <i>Open Mathematics</i> , 2017, 15, 486-501.	0.5	4
52	Hölder's inequality: some recent and unexpected applications. <i>Bulletin of the Belgian Mathematical Society - Simon Stevin</i> , 2017, 24, .	0.1	3
53	Lineability in sequence and function spaces. <i>Studia Mathematica</i> , 2017, 237, 119-136.	0.4	24
54	Bernstein-Markov type inequalities and other interesting estimates for polynomials on circle sectors. <i>Mathematical Inequalities and Applications</i> , 2017, , 285-299.	0.1	2

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55	Sharp values for the constants in the polynomial Bohnenblust-Hille inequality. Linear and Multilinear Algebra, 2016, 64, 1731-1749.	0.5	6
56	Holomorphic functions on non-Runge domains and related problems. Linear Algebra and Its Applications, 2016, 511, 226-236.	0.4	1
57	Locally recurrent functions, density topologies and algebraic genericity. Journal of Mathematical Analysis and Applications, 2016, 443, 1247-1259.	0.5	4
58	Optimal Hardy-Littlewood type inequalities for polynomials and multilinear operators. Israel Journal of Mathematics, 2016, 211, 197-220.	0.4	63
59	Linear chaos for the Quick-Thinking-Driver model. Semigroup Forum, 2016, 92, 486-493.	0.3	4
60	Porosity and the ℓ^p -conjecture for semigroups. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2016, 110, 7-16.	0.6	1
61	Injective mappings in $\mathbb{R}^{\mathbb{R}}$ and lineability. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2016, 23, .	0.1	2
62	Nonlinear absolutely summing operators revisited. Bulletin of the Brazilian Mathematical Society, 2015, 46, 205-249.	0.3	0
63	A strict topology on Orlicz spaces. Mathematische Nachrichten, 2015, 288, 498-508.	0.4	1
64	On the polynomial Hardy-Littlewood inequality. Archiv Der Mathematik, 2015, 104, 259-270.	0.3	4
65	Algebrability and nowhere Gevrey differentiability. Israel Journal of Mathematics, 2015, 205, 127-143.	0.4	20
66	Distributional chaos for the Forward and Backward Control traffic model. Linear Algebra and Its Applications, 2015, 479, 202-215.	0.4	11
67	Grothendieck's theorem for absolutely summing multilinear operators is optimal. Linear and Multilinear Algebra, 2015, 63, 554-558.	0.5	2
68	On the real polynomial Bohnenblust-Hille inequality. Linear Algebra and Its Applications, 2015, 465, 391-400.	0.4	12
69	Abstract extrapolation theorems for absolutely summing nonlinear operators. Journal of Mathematical Analysis and Applications, 2015, 421, 730-746.	0.5	0
70	Some results and open questions on spaceability in function spaces. Transactions of the American Mathematical Society, 2014, 366, 611-625.	0.5	62
71	HYPERGROUP ALGEBRAS AS TOPOLOGICAL ALGEBRAS. Bulletin of the Australian Mathematical Society, 2014, 90, 486-493.	0.3	0
72	ON VERY NON-LINEAR SUBSETS OF CONTINUOUS FUNCTIONS. Quarterly Journal of Mathematics, 2014, 65, 841-850.	0.3	8

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73	Sharp generalizations of the multilinear Bohnenblust–Hille inequality. Journal of Functional Analysis, 2014, 266, 3726-3740.	0.7	70
74	Basic sequences and spaceability in n -dimensional polydisks. Journal of Functional Analysis, 2014, 266, 3797-3814.	0.7	37
75	When the Identity Theorem seems to Fail. American Mathematical Monthly, 2014, 121, 60.	0.2	6
76	Convolution functions that are nowhere differentiable. Journal of Mathematical Analysis and Applications, 2014, 413, 609-615.	0.5	3
77	The Bohr radius of the n -dimensional polydisk is equivalent to $\frac{1}{\sqrt{2}}$. Advances in Mathematics, 2014, 266, 109-119.	0.5	109
78	Peano curves on topological vector spaces. Linear Algebra and Its Applications, 2014, 460, 81-96.	0.4	14
79	On Montgomery's conjecture and the distribution of Dirichlet sums. Journal of Functional Analysis, 2014, 267, 1241-1255.	0.7	7
80	Lineability, spaceability, and additivity cardinals for Darboux-like functions. Linear Algebra and Its Applications, 2014, 440, 307-317.	0.4	22
81	There exist multilinear Bohnenblust–Hille constants $\frac{1}{\sqrt{2}}$. Journal of Functional Analysis, 2014, 266, 109-119.	0.7	17
82	An undecidable case of lineability in $\mathbb{R}^{\mathbb{R}}$. Journal of Mathematical Analysis and Applications, 2013, 401, 959-962.	0.5	39
83	Porous sets and lineability of continuous functions on locally compact groups. Journal of Mathematical Analysis and Applications, 2013, 406, 211-218.	0.5	6
84	On the Bohnenblust–Hille inequality and a variant of Littlewood's $4/3$ inequality. Journal of Functional Analysis, 2013, 264, 326-336.	0.7	15
85	Linear subsets of nonlinear sets in topological vector spaces. Bulletin of the American Mathematical Society, 2013, 51, 71-130.	0.8	156
86	Algebrability, non-linear properties, and special functions. Proceedings of the American Mathematical Society, 2013, 141, 3391-3402.	0.4	19
87	Distinguished subspaces of L^p of maximal dimension. Studia Mathematica, 2013, 215, 261-280.	0.4	10
88	Periods of strongly continuous semigroups. Bulletin of the London Mathematical Society, 2012, 44, 480-488.	0.4	5
89	Estimates for the asymptotic behaviour of the constants in the Bohnenblust–Hille inequality. Linear and Multilinear Algebra, 2012, 60, 573-582.	0.5	10
90	A general Extrapolation Theorem for absolutely summing operators. Bulletin of the London Mathematical Society, 2012, 44, 1292-1302.	0.4	6

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109	Riemann integrability and Lebesgue measurability of the composite function. Journal of Mathematical Analysis and Applications, 2009, 354, 229-233.	0.5	11
110	Unconditional constants and polynomial inequalities. Journal of Approximation Theory, 2009, 161, 706-722.	0.5	12
111	Matrix Summability Methods and Weakly Unconditionally Cauchy Series. Rocky Mountain Journal of Mathematics, 2009, 39, .	0.2	9
112	Lineability in subsets of measure and function spaces. Linear Algebra and Its Applications, 2008, 428, 2805-2812.	0.4	26
113	Bounded linear non-absolutely summing operators. Journal of Mathematical Analysis and Applications, 2008, 338, 292-298.	0.5	26
114	Geometry of Banach spaces of trinomials. Journal of Mathematical Analysis and Applications, 2008, 340, 1069-1087.	0.5	26
115	The Stereographic Projection in Banach Spaces. Rocky Mountain Journal of Mathematics, 2007, 37, .	0.2	2
116	Powers of Hypercyclic Functions for Some Classical Hypercyclic Operators. Integral Equations and Operator Theory, 2007, 58, 591-596.	0.4	23
117	Lineability and algebrability of pathological phenomena in analysis. Journal of Mathematical Analysis and Applications, 2007, 326, 929-939.	0.5	42
118	Explicit Constructions of Dense Common Hypercyclic Subspaces. Publications of the Research Institute for Mathematical Sciences, 2007, 43, 373-384.	0.4	6
119	Algebrability of the set of everywhere surjective functions on \mathbb{C} . Bulletin of the Belgian Mathematical Society - Simon Stevin, 2007, 14, .	0.1	58
120	Linear structure of sets of divergent sequences and series. Linear Algebra and Its Applications, 2006, 418, 595-598.	0.4	24
121	Vector Spaces of Non-measurable Functions. Acta Mathematica Sinica, English Series, 2006, 22, 1805-1808.	0.2	8
122	Algebrability of the set of non-convergent Fourier series. Studia Mathematica, 2006, 175, 83-90.	0.4	72
123	On the real linear polarization constant problem. Mathematical Inequalities and Applications, 2006, , 485-494.	0.1	0
124	Chaos on function spaces. Bulletin of the Australian Mathematical Society, 2005, 71, 411-415.	0.3	10
125	Lineability and spaceability of sets of functions on \mathbb{R} . Proceedings of the American Mathematical Society, 2004, 133, 795-803.	0.4	200
126	A characterization of real Hilbert spaces using the Bochnak complexification norm. Archiv Der Mathematik, 2003, 80, 384-392.	0.3	6

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127	Bernstein and Markov-type inequalities for polynomials on real Banach spaces. Mathematical Proceedings of the Cambridge Philosophical Society, 2002, 133, 515-530.	0.3	16
128	Complexifications of Polynomials and Multilinear Maps on Real Banach Spaces. , 2000, , 411-428.		0