

Julio BenÃ-tez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A decision support system to assure high-performance maintenance service. Journal of Quality in Maintenance Engineering, 2021, 27, 651-670.	1.0	8
2	Partial Orders Based on the CS Decomposition. Ukrainian Mathematical Journal, 2021, 72, 1294-1313.	0.1	0
3	On the continuity and differentiability of the (dual) core inverse in C^* -algebras. Linear and Multilinear Algebra, 2020, 68, 686-709.	0.5	7
4	Constrained consistency enforcement in AHP. Applied Mathematics and Computation, 2020, 380, 125273.	1.4	8
5	EP Elements in Rings with Involution. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 3409-3426.	0.4	14
6	Rank Equalities Related to the Generalized Inverses $A\{B_1, C_1\}$, $D\{B_2, C_2\}$ of Two Matrices A and D. Symmetry, 2019, 11, 539.	1.1	3
7	Some Results on the Symmetric Representation of the Generalized Drazin Inverse in a Banach Algebra. Symmetry, 2019, 11, 105.	1.1	3
8	Management of uncertain pairwise comparisons in AHP through probabilistic concepts. Applied Soft Computing Journal, 2019, 78, 274-285.	4.1	9
9	Characterization of the consistent completion of analytic hierarchy process comparison matrices using graph theory. Journal of Multi-Criteria Decision Analysis, 2019, 26, 3-15.	1.0	11
10	Centralizer TM s applications to the $(b, \hat{A}c)$ -inverses in rings. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 1739-1746.	0.6	4
11	Rank equalities related to a class of outer generalized inverse. Filomat, 2019, 33, 5611-5622.	0.2	4
12	Generalized core inverses of matrices. Miskolc Mathematical Notes, 2019, 20, 565.	0.3	5
13	Existence Criteria and Expressions of the $(b, \hat{A}c)$ -Inverse in Rings and Their Applications. Mediterranean Journal of Mathematics, 2018, 15, 1.	0.4	11
14	Consistent clustering of entries in large pairwise comparison matrices. Journal of Computational and Applied Mathematics, 2018, 343, 98-112.	1.1	11
15	Projections for generalized inverses. Linear and Multilinear Algebra, 2018, 66, 1593-1605.	0.5	6
16	Managing Human Factors to Reduce Organisational Risk in Industry. Mathematical and Computational Applications, 2018, 23, 67.	0.7	7
17	A hybrid multi-criteria approach to GPR image mining applied to water supply system maintenance. Journal of Applied Geophysics, 2018, 159, 754-764.	0.9	10
18	The inverse along an element in rings with an involution, Banach algebras and \ast -algebras. Linear and Multilinear Algebra, 2017, 65, 284-299.	0.5	17

#	ARTICLE	IF	CITATIONS
19	Multi-criteria optimization of supply schedules in intermittent water supply systems. Journal of Computational and Applied Mathematics, 2017, 309, 695-703.	1.1	24
20	The generalized inverses of tensors and an application to linear models. Computers and Mathematics With Applications, 2017, 74, 385-397.	1.4	32
21	Some generalizations and probability versions of Samuelson's inequality. Mathematical Inequalities and Applications, 2017, , 1-12.	0.1	0
22	I decide, therefore I am (relevant!): A projectâ€based learning experience in linear algebra. Computer Applications in Engineering Education, 2016, 24, 481-492.	2.2	8
23	New additive results for the generalized Drazin inverse in a Banach algebra. Filomat, 2016, 30, 2289-2294.	0.2	10
24	Co-EP Banach algebra elements. Banach Journal of Mathematical Analysis, 2015, 9, 27-41.	0.4	1
25	Some additive results on Drazin inverse. Applied Mathematics, 2015, 30, 479-490.	0.6	4
26	Consistent completion of incomplete judgments in decision making using AHP. Journal of Computational and Applied Mathematics, 2015, 290, 412-422.	1.1	28
27	On the spectra of some combinations of two generalized quadratic matrices. Applied Mathematics and Computation, 2015, 268, 978-990.	1.4	3
28	Characterization of Consistent Completion of Reciprocal Comparison Matrices. Abstract and Applied Analysis, 2014, 2014, 1-12.	0.3	4
29	Further results on the reverse order law for the group inverse in rings. Applied Mathematics and Computation, 2014, 229, 316-326.	1.4	8
30	A simple formula to find the closest consistent matrix to a reciprocal matrix. Applied Mathematical Modelling, 2014, 38, 3968-3974.	2.2	38
31	Joint stakeholder decision-making on the management of the Silaoâ€Romita aquifer using AHP. Environmental Modelling and Software, 2014, 51, 310-322.	1.9	36
32	On the continuity of the group inverse in SC^* -algebras. Banach Journal of Mathematical Analysis, 2014, 8, 204-213.	0.4	4
33	Some learning objects to explain Kepler's laws. Computer Applications in Engineering Education, 2013, 21, 1-7.	2.2	2
34	Equalities of ideals associated with two projections in rings with involution. Linear and Multilinear Algebra, 2013, 61, 1419-1435.	0.5	2
35	Expressions for generalized inverses of square matrices. Linear and Multilinear Algebra, 2013, 61, 1536-1554.	0.5	0
36	Design and use of a learning object for finding complex polynomial roots. International Journal of Mathematical Education in Science and Technology, 2013, 44, 365-376.	0.8	0

#	ARTICLE	IF	CITATIONS
55	Nonsingularity and group invertibility of linear combinations of two k -potent matrices. Linear and Multilinear Algebra, 2010, 58, 1023-1035.	0.5	13
56	Invertibility of the commutator of an element in a C^* -algebra and its Moore-Penrose inverse. Studia Mathematica, 2010, 200, 163-174.	0.4	6
57	Moore-Penrose inverses and commuting elements of C^* -algebras. Journal of Mathematical Analysis and Applications. 2008, 345, 766-770.	0.5	29
58	On linear combinations of two commuting hypergeneralized projectors. Computers and Mathematics With Applications, 2008, 56, 2481-2489.	1.4	5
59	Applications of CS decomposition in linear combinations of two orthogonal projectors. Applied Mathematics and Computation, 2008, 203, 761-769.	1.4	12
60	Idempotency of linear combinations of an idempotent matrix and a t -potent matrix that do not commute. Linear and Multilinear Algebra, 2008, 56, 679-687.	0.5	14
61	Idempotency of linear combinations of three idempotent matrices, two of which are commuting. Linear Algebra and Its Applications, 2007, 424, 320-337.	0.4	25
62	$\{k\}$ -Group Periodic Matrices. SIAM Journal on Matrix Analysis and Applications, 2006, 28, 9-25.	0.7	23
63	Matrices whose powers approximate the identity. Applied Mathematics Letters, 2006, 19, 1249-1254.	1.5	0
64	The generalized Schur complement in group inverses and $(k+1)$ -potent matrices. Linear and Multilinear Algebra, 2006, 54, 405-413.	0.5	24
65	Why can we not make a perfect map?. International Journal of Mathematical Education in Science and Technology, 2005, 36, 944-946.	0.8	0
66	Idempotency of linear combinations of an idempotent matrix and a t -potent matrix that commute. Linear Algebra and Its Applications, 2005, 403, 414-418.	0.4	28
67	Characterizations and linear combinations of k -generalized projectors. Linear Algebra and Its Applications, 2005, 410, 150-159.	0.4	23
68	Applications of differential geometry to cartography. International Journal of Mathematical Education in Science and Technology, 2004, 35, 29-38.	0.8	5
69	Restricted weak upper semicontinuous differentials of convex functions. Bulletin of the Australian Mathematical Society, 2001, 63, 93-100.	0.3	2
70	A new decomposition for square matrices. Electronic Journal of Linear Algebra, 0, 20, .	0.6	8
71	Some results on matrix partial orderings and reverse order law. Electronic Journal of Linear Algebra, 0, 20, .	0.6	9
72	On the group inverse of linear combinations of two group invertible matrices. Electronic Journal of Linear Algebra, 0, 22, .	0.6	7

#	ARTICLE	IF	CITATIONS
73	The absorption laws for the generalized inverses in rings. Electronic Journal of Linear Algebra, 0, 30, 827-842.	0.6	7
74	The inverse along an element in rings. Electronic Journal of Linear Algebra, 0, 31, 572-592.	0.6	16
75	ON ONE-SIDED (B;C)-INVERSES OF ARBITRARY MATRICES. Electronic Journal of Linear Algebra, 0, 32, 391-422.	0.6	28
76	Consistent Matrices and Consistency Improvement in Decision-Making Processes. , 0, , .		1
77	Simultaneous decomposition of two EP matrices with applications. Electronic Journal of Linear Algebra, 0, 27, .	0.6	0