

Peter Å emrl

List of Publications by Year in descending order

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97
all docs

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docs citations

97
times ranked

282
citing authors

#	ARTICLE	IF	CITATIONS
1	Step-isometries. Journal of Functional Analysis, 2021, 280, 108961.	0.7	0
2	Wigner symmetries and Gleason's theorem [*] . Journal of Physics A: Mathematical and Theoretical, 2021, 54, 315301.	0.7	4
3	Continuous coexistence preservers on effect algebras [*] . Journal of Physics A: Mathematical and Theoretical, 2021, 54, 015303.	0.7	1
4	Coexistence on Hilbert Space Effect Algebras and a Characterisation of Its Symmetry Transformations. Communications in Mathematical Physics, 2020, 379, 1077-1112.	1.0	2
5	Endomorphisms of the poset of idempotent matrices. Journal of Algebra, 2019, 536, 1-38.	0.4	2
6	Continuous space-time transformations. Advances in Geometry, 2018, 18, 385-393.	0.2	0
7	Isometries of Grassmann spaces, II. Advances in Mathematics, 2018, 332, 287-310.	0.5	8
8	Groups of order automorphisms of operator intervals. Acta Scientiarum Mathematicarum, 2018, 84, 125-136.	0.2	7
9	Order and Spectrum Preserving Maps on Positive Operators. Canadian Journal of Mathematics, 2017, 69, 1422-1435.	0.3	3
10	Order Isomorphisms of Operator Intervals. Integral Equations and Operator Theory, 2017, 89, 1-42.	0.4	17
11	The optimal version of Hua's fundamental theorem of geometry of square matrices " the low dimensional case. Linear Algebra and Its Applications, 2016, 498, 21-57.	0.4	7
12	Isometries of Grassmann spaces. Journal of Functional Analysis, 2016, 270, 1585-1601.	0.7	27
13	Hua's fundamental theorem of geometry of rectangular matrices over EAS division rings. Journal of Algebra, 2015, 439, 159-187.	0.4	6
14	Automorphisms of Hilbert space effect algebras. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 195301.	0.7	5
15	Invertibility preservers on central simple algebras. Journal of Algebra, 2014, 408, 42-60.	0.4	3
16	Maps Preserving Complementarity of Closed Subspaces of a Hilbert Space. Canadian Journal of Mathematics, 2014, 66, 1143-1166.	0.3	1
17	Symmetries of Hilbert space effect algebras. Journal of the London Mathematical Society, 2013, 88, 417-436.	0.5	10
18	ORDER PRESERVING MAPS ON HERMITIAN MATRICES. Journal of the Australian Mathematical Society, 2013, 95, 129-132.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Comparability Preserving Maps on Hilbert Space Effect Algebras. Communications in Mathematical Physics, 2012, 313, 375-384.	1.0	18
20	Transformations of the unitary group on a Hilbert space. Journal of Mathematical Analysis and Applications, 2012, 388, 1205-1217.	0.5	19
21	Symmetries on Bounded Observables: A Unified Approach Based on Adjacency Preserving Maps. Integral Equations and Operator Theory, 2012, 72, 7-66.	0.4	10
22	A characterization of normed spaces among metric spaces. Rocky Mountain Journal of Mathematics, 2011, 41, .	0.2	5
23	On locally complex algebras and low-dimensional Cayley-Dickson algebras. Journal of Algebra, 2011, 327, 107-125.	0.4	7
24	Automorphisms of B over H with respect to minus partial order. Journal of Mathematical Analysis and Applications, 2010, 369, 205-213.	0.5	53
25	A localization technique for linear preserver problems. Linear Algebra and Its Applications, 2010, 433, 2257-2268.	0.4	7
26	Comparability Preserving Maps on Bounded Observables. Integral Equations and Operator Theory, 2008, 62, 441-454.	0.4	8
27	Endomorphisms of matrix semigroups over division rings. Israel Journal of Mathematics, 2008, 163, 125-138.	0.4	7
28	Commutativity preserving maps. Linear Algebra and Its Applications, 2008, 429, 1051-1070.	0.4	47
29	Minimal locally linearly dependent spaces of operators. Linear Algebra and Its Applications, 2008, 429, 887-900.	0.4	6
30	A characterization of normed spaces. Journal of Mathematical Analysis and Applications, 2008, 343, 1047-1051.	0.5	6
31	Nonlinear commutativity-preserving maps on Hermitian matrices. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2008, 138, 157-168.	0.8	5
32	Orthogonality preserving bijective maps on finite dimensional projective spaces over division rings. Linear and Multilinear Algebra, 2008, 56, 647-664.	0.5	6
33	Adjacency Preserving Maps on Hermitian Matrices. Canadian Journal of Mathematics, 2008, 60, 1050-1066.	0.3	24
34	Elementary operators on self-adjoint operators. Journal of Mathematical Analysis and Applications, 2007, 327, 302-309.	0.5	3
35	Spectral Order Automorphisms of the Spaces of Hilbert Space Effects and Observables. Letters in Mathematical Physics, 2007, 80, 239-255.	0.5	14
36	Maps on idempotent matrices over division rings. Journal of Algebra, 2006, 298, 142-187.	0.4	21

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37	On bilinear maps on matrices with applications to commutativity preservers. <i>Journal of Algebra</i> , 2006, 301, 803-837.	0.4	44
38	Linear Maps Preserving Generalized Invertibility. <i>Integral Equations and Operator Theory</i> , 2006, 55, 93-109.	0.4	17
39	Maps on matrix spaces. <i>Linear Algebra and Its Applications</i> , 2006, 413, 364-393.	0.4	43
40	Orthogonality preserving bijective maps on real and complex projective spaces. <i>Linear and Multilinear Algebra</i> , 2006, 54, 355-367.	0.5	5
41	From geometry to invertibility preservers. <i>Studia Mathematica</i> , 2006, 174, 99-109.	0.4	23
42	Commutativity preserving linear maps on central simple algebras. <i>Journal of Algebra</i> , 2005, 284, 102-110.	0.4	24
43	Additive Maps on Matrix Algebras Preserving Invertibility or Singularity. <i>Acta Mathematica Sinica, English Series</i> , 2005, 21, 681-684.	0.2	13
44	Continuous Adjacency Preserving Maps on Real Matrices. <i>Canadian Mathematical Bulletin</i> , 2005, 48, 267-274.	0.3	1
45	ELEMENTARY OPERATORS AS LIE HOMOMORPHISMS OR COMMUTATIVITY PRESERVERS. <i>Proceedings of the Edinburgh Mathematical Society</i> , 2005, 48, 37-49.	0.2	3
46	Nonlinear commutativity preserving maps on self-adjoint operators. <i>Quarterly Journal of Mathematics</i> , 2005, 56, 589-595.	0.3	37
47	Maps on idempotents. <i>Studia Mathematica</i> , 2005, 169, 21-44.	0.4	14
48	Spectrally Bounded Linear Maps on $\mathcal{K}(X)$. <i>Canadian Mathematical Bulletin</i> , 2004, 47, 369-372.	0.3	6
49	Locally linearly dependent operators and reflexivity of operator spaces. <i>Linear Algebra and Its Applications</i> , 2004, 383, 143-150.	0.4	11
50	Applying projective geometry to transformations on rank one idempotents. <i>Journal of Functional Analysis</i> , 2004, 210, 248-257.	0.7	33
51	Hua's fundamental theorem of the geometry of matrices. <i>Journal of Algebra</i> , 2004, 272, 801-837.	0.4	19
52	Non-linear maps preserving solvability. <i>Journal of Algebra</i> , 2004, 280, 624-634.	0.4	14
53	Maps on Matrix Algebras Preserving Commutativity. <i>Linear and Multilinear Algebra</i> , 2004, 52, 69-78.	0.5	15
54	Orthogonality preserving transformations on the set of n -dimensional subspaces of a Hilbert space. <i>Illinois Journal of Mathematics</i> , 2004, 48, .	0.1	26

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55	Generalized Symmetry Transformations on Quaternionic Indefinite Inner Product Spaces: An Extension of Quaternionic Version of Wigner's Theorem. <i>Communications in Mathematical Physics</i> , 2003, 242, 579-584.	1.0	21
56	Linear Maps Preserving Invertibility or Related Spectral Properties. <i>Acta Mathematica Sinica, English Series</i> , 2003, 19, 473-484.	0.2	7
57	Hua's fundamental theorems of the geometry of matrices and related results. <i>Linear Algebra and Its Applications</i> , 2003, 361, 161-179.	0.4	34
58	Adjacency preserving maps on upper triangular matrix algebras. <i>Linear Algebra and Its Applications</i> , 2003, 367, 105-130.	0.4	5
59	Nonsurjective nearisometries of Banach spaces. <i>Journal of Functional Analysis</i> , 2003, 198, 268-278.	0.7	47
60	A short proof of Hua's fundamental theorem of the geometry of hermitian matrices. , 2003, 21, 83-93.		9
61	Linear Maps on Selfadjoint Operators Preserving Invertibility, Positive Definiteness, Numerical Range. <i>Canadian Mathematical Bulletin</i> , 2003, 46, 216-228.	0.3	20
62	Elementary Operators on Standard Operator Algebras. <i>Linear and Multilinear Algebra</i> , 2002, 50, 315-319.	0.5	16
63	Adjacency preserving maps on matrices and operators. <i>Proceedings of the Royal Society of Edinburgh Section A: Mathematics</i> , 2002, 132, 661-684.	0.8	32
64	Numerical Radius Isometries. <i>Linear and Multilinear Algebra</i> , 2002, 50, 307-314.	0.5	12
65	On Hua's Fundamental Theorem of the Geometry of Rectangular Matrices. <i>Journal of Algebra</i> , 2002, 248, 366-380.	0.4	22
66	Linear transformations between matrix spaces that map one rank specific set into another. <i>Linear Algebra and Its Applications</i> , 2002, 357, 197-208.	0.4	23
67	Locally linearly dependent operators. <i>Pacific Journal of Mathematics</i> , 2002, 203, 441-459.	0.2	20
68	Preserving commutativity. <i>Journal of Pure and Applied Algebra</i> , 2001, 156, 309-328.	0.3	31
69	Linear operators preserving the numerical range (radius) on triangular matrices. <i>Linear and Multilinear Algebra</i> , 2001, 48, 281-292.	0.5	11
70	Linear preservers of minimal rank. <i>Linear Algebra and Its Applications</i> , 2000, 310, 73-82.	0.4	2
71	Some general techniques on linear preserver problems. <i>Linear Algebra and Its Applications</i> , 2000, 315, 61-81.	0.4	93
72	On locally linearly dependent operators and derivations. <i>Transactions of the American Mathematical Society</i> , 1999, 351, 1257-1275.	0.5	57

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73	Characterization of Jordan homomorphisms on M_n using preserving properties. <i>Linear Algebra and Its Applications</i> , 1998, 269, 33-46.	0.4	13
74	Preserving diagonalisability. <i>Linear Algebra and Its Applications</i> , 1998, 285, 165-179.	0.4	7
75	Some linear preserver problems on upper triangular matrices. <i>Linear and Multilinear Algebra</i> , 1998, 45, 189-206.	0.5	41
76	Linear maps preserving the isomorphism class of lattices of invariant subspaces. <i>Proceedings of the American Mathematical Society</i> , 1998, 126, 3607-3617.	0.4	3
77	Invertibility preserving maps preserve idempotents.. <i>Michigan Mathematical Journal</i> , 1998, 45, 483.	0.2	26
78	Characterization of matrices having rank $\leq k$. <i>Linear and Multilinear Algebra</i> , 1997, 42, 233-238.	0.5	2
79	Order isomorphisms and triple isomorphisms of operator ideals and their reflexivity. <i>Archiv Der Mathematik</i> , 1997, 69, 497-506.	0.3	5
80	Linear Maps Preserving the Spectral Radius. <i>Journal of Functional Analysis</i> , 1996, 142, 360-368.	0.7	68
81	Matrix spaces with bounded number of eigenvalues. <i>Linear Algebra and Its Applications</i> , 1996, 249, 29-46.	0.4	9
82	Quasidirect addition of operators. <i>Linear and Multilinear Algebra</i> , 1996, 41, 377-381.	0.5	3
83	Isomorphisms of standard operator algebras. <i>Proceedings of the American Mathematical Society</i> , 1995, 123, 1851-1855.	0.4	36
84	On non linear perturbations of isometries. <i>Mathematische Annalen</i> , 1995, 303, 617-628.	0.7	87
85	Normal-Preserving Linear Mappings. <i>Canadian Mathematical Bulletin</i> , 1994, 37, 306-309.	0.3	18
86	Additive mappings preserving operators of rank one. <i>Linear Algebra and Its Applications</i> , 1993, 182, 239-256.	0.4	97
87	Linear mappings preserving square-zero matrices. <i>Bulletin of the Australian Mathematical Society</i> , 1993, 48, 365-370.	0.3	35
88	Mappings which Preserve Idempotents, Local Automorphisms, and Local Derivations. <i>Canadian Journal of Mathematics</i> , 1993, 45, 483-496.	0.3	110
89	Two characterizations of automorphisms on $B(X)$. <i>Studia Mathematica</i> , 1993, 105, 143-149.	0.4	27
90	Spectrum-preserving additive maps. <i>Linear Algebra and Its Applications</i> , 1991, 153, 67-72.	0.4	32

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91	On ring derivations and quadratic functionals. Aequationes Mathematicae, 1991, 42, 80-84.	0.4	5
92	A result concerning additive maps on the set of quaternions and an application. Bulletin of the Australian Mathematical Society, 1991, 44, 477-482.	0.3	2
93	THE CAUCHY FUNCTIONAL EQUATION ON REAL BANACH ALGEBRAS. Total Mean Curvature and Submanifolds of Finite Type, 1989, , 820-828.	0.1	0
94	Some results concerning normal r -potent operators. Linear and Multilinear Algebra, 1988, 22, 335-347.	0.5	5
95	On quadratic functionals. Bulletin of the Australian Mathematical Society, 1988, 37, 27-28.	0.3	28
96	Loewner's theorem for maps on operator domains. Canadian Journal of Mathematics, 0, , 1-37.	0.3	0