

Zhuo-Heng He

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Solvability conditions and general solution for mixed Sylvester equations. <i>Automatica</i> , 2013, 49, 2713-2719.	5.0	81
2	A real quaternion matrix equation with applications. <i>Linear and Multilinear Algebra</i> , 2013, 61, 725-740.	1.0	69
3	Systems of coupled generalized Sylvester matrix equations. <i>Automatica</i> , 2014, 50, 2840-2844.	5.0	60
4	A system of quaternary coupled Sylvester-type real quaternion matrix equations. <i>Automatica</i> , 2018, 87, 25-31.	5.0	56
5	Constrained two-sided coupled Sylvester-type quaternion matrix equations. <i>Automatica</i> , 2019, 101, 207-213.	5.0	50
6	Constraint generalized Sylvester matrix equations. <i>Automatica</i> , 2016, 69, 60-64.	5.0	49
7	Some matrix equations with applications. <i>Linear and Multilinear Algebra</i> , 2012, 60, 1327-1353.	1.0	45
8	Two-sided coupled generalized Sylvester matrix equations solving using a simultaneous decomposition for fifteen matrices. <i>Linear Algebra and Its Applications</i> , 2016, 496, 549-593.	0.9	45
9	The general solutions to some systems of matrix equations. <i>Linear and Multilinear Algebra</i> , 2015, 63, 2017-2032.	1.0	39
10	The general ϕ -Hermitian solution to mixed pairs of quaternion matrix Sylvester equations. <i>Electronic Journal of Linear Algebra</i> , 0, 32, 475-499.	0.6	39
11	The $\hat{\Gamma}$ -bihermitian solution to a system of real quaternion matrix equations. <i>Linear and Multilinear Algebra</i> , 2014, 62, 1509-1528.	1.0	36
12	Simultaneous decomposition of quaternion matrices involving $\hat{\Gamma}$ -Hermicity with applications. <i>Applied Mathematics and Computation</i> , 2017, 298, 13-35.	2.2	34
13	Solution to a system of real quaternion matrix equations encompassing $\hat{\Gamma}$ -Hermicity. <i>Applied Mathematics and Computation</i> , 2015, 265, 945-957.	2.2	33
14	A simultaneous decomposition for seven matrices with applications. <i>Journal of Computational and Applied Mathematics</i> , 2019, 349, 93-113.	2.0	31
15	Some new results on a system of Sylvester-type quaternion matrix equations. <i>Linear and Multilinear Algebra</i> , 2021, 69, 3069-3091.	1.0	26
16	The General Solution to a System of Coupled Sylvester-Type Quaternion Tensor Equations Involving $\hat{\Gamma}$ -Hermicity. <i>Bulletin of the Iranian Mathematical Society</i> , 2019, 45, 1407-1430.	1.0	25
17	Structure, Properties and Applications of Some Simultaneous Decompositions for Quaternion Matrices Involving $\hat{\Gamma}$ -Skew-Hermicity. <i>Advances in Applied Clifford Algebras</i> , 2019, 29, 1.	1.0	20
18	Pure PSVD approach to Sylvester-type quaternion matrix equations. <i>Electronic Journal of Linear Algebra</i> , 0, 35, 266-284.	0.6	19

#	ARTICLE	IF	CITATIONS
19	A simultaneous decomposition for three quaternion tensors with applications in color video signal processing. <i>Analysis and Applications</i> , 2021, 19, 529-549.	2.2	14
20	The equivalence canonical form of five quaternion matrices with applications to imaging and Sylvester-type equations. <i>Journal of Computational and Applied Mathematics</i> , 2021, 393, 113494.	2.0	13
21	A System of Coupled Quaternion Matrix Equations with Seven Unknowns and Its Applications. <i>Advances in Applied Clifford Algebras</i> , 2019, 29, 1.	1.0	12
22	On the general solutions to some systems of quaternion matrix equations. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2020, 114, 1.	1.2	12
23	Some quaternion matrix equations involving \hat{I}_1 -Hermicity. <i>Filomat</i> , 2019, 33, 5097-5112.	0.5	12
24	The complete equivalence canonical form of four matrices over an arbitrary division ring. <i>Linear and Multilinear Algebra</i> , 2018, 66, 74-95.	1.0	11
25	Some applications of a decomposition for five quaternion matrices in control system and color image processing. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	2.2	10
26	A Quaternion Matrix Equation with Two Different Restrictions. <i>Advances in Applied Clifford Algebras</i> , 2021, 31, 1.	1.0	9
27	On the Hermitian structures of the solution to a pair of matrix equations. <i>Linear and Multilinear Algebra</i> , 2013, 61, 73-90.	1.0	8
28	The consistency and the exact solutions to a system of matrix equations. <i>Linear and Multilinear Algebra</i> , 2016, 64, 2133-2158.	1.0	7
29	On the split quaternion matrix equation $AX=B$. <i>Banach Journal of Mathematical Analysis</i> , 2020, 14, 228-248.	0.8	7
30	Generalized Singular Value Decompositions for Tensors and Their Applications. <i>Numerical Mathematics</i> , 2021, 14, 692-713.	1.3	7
31	Solvability conditions and general solutions to some quaternion matrix equations. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 14274-14291.	2.3	5
32	Decomposition for a Quaternion Tensor Triplet with Applications. <i>Advances in Applied Clifford Algebras</i> , 2022, 32, 1.	1.0	5
33	Real Representation Approach to Quaternion Matrix Equation Involving \tilde{I} -Hermicity. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-8.	1.1	4
34	η -Hermitian Solution to a System of Quaternion Matrix Equations. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2020, 43, 4007-4027.	0.9	2
35	The Solvability of a System of Quaternion Matrix Equations Involving \tilde{I} -Skew-Hermicity. <i>Symmetry</i> , 2022, 14, 1273.	2.2	1
36	Some systems of tensor equations under t-product and their applications. <i>Filomat</i> , 2021, 35, 3663-3677.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Consistency and General Solutions to Some Sylvester-like Quaternion Matrix Equations. <i>Symmetry</i> , 2022, 14, 1350.	2.2	0