

Xuhui Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Using \mathbb{R}^4 -bases to implicitize rational surfaces with a pair of orthogonal directrices. Computer Aided Geometric Design, 2012, 29, 541-554.	1.2	14
2	Implicitization, parameterization and singularity computation of Steiner surfaces using moving surfaces. Journal of Symbolic Computation, 2012, 47, 733-750.	0.8	13
3	Interval optimal power flow applied to distribution networks under uncertainty of loads and renewable resources. Journal of Modern Power Systems and Clean Energy, 2019, 7, 139-150.	5.4	10
4	Modified PHT-splines. Computer Aided Geometric Design, 2019, 73, 37-53.	1.2	9
5	\mathbb{R}^4 -Bases for complex rational curves. Computer Aided Geometric Design, 2013, 30, 623-635.	1.2	6
6	Birational 2D Free-Form Deformation of degree $1 \leq n$. Computer Aided Geometric Design, 2016, 44, 1-9.	1.2	6
7	Implicitization and parametrization of quadratic surfaces with one simple base point. , 2008, , .		5
8	Quaternion rational surfaces: Rational surfaces generated from the quaternion product of two rational space curves. Graphical Models, 2015, 81, 18-32.	2.4	5
9	\mathbb{R}^4 -bases for complex rational curves. Computer Aided Geometric Design, 2013, 30, 623-635. condition of surfaces with singular parametrizations in isogeometric analysis. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 136-156.		
10	Dynamic optimal power flow model incorporating interval uncertainty applied to distribution network. IET Generation, Transmission and Distribution, 2018, 12, 2926-2936.	2.5	2
11	Modified basis functions for MPHT-splines. Journal of Computational and Applied Mathematics, 2020, 375, 112817.	2.0	2
12	An Adaptive Collocation Method with Weighted Extended PHT-Splines. Journal of Systems Science and Complexity, 2021, 34, 47-67.	2.8	2
13	Constructing quadratic birational maps via their complex rational representation. Computer Aided Geometric Design, 2021, 85, 101969.	1.2	2
14	Complex \mathbb{R}^4 -bases for real quadric surfaces. Computer Aided Geometric Design, 2015, 37, 57-68.	1.2	1
15	An Encoding Algorithm for Minimizing Medium Time and Energy in Wireless Networks. Wireless Personal Communications, 2018, 98, 1103-1117.	2.7	1
16	Rational curves over generalized complex numbers. Journal of Symbolic Computation, 2019, 93, 56-84.	0.8	1
17	Nonlinear Weighted Average and Blossoming. Communications in Mathematics and Statistics, 2020, 8, 361-378.	1.5	1
18	Flux-aligned quad mesh generation in magnetohydrodynamic simulation. Journal of Computational Physics, 2022, 466, 111393.	3.8	1

#	ARTICLE	IF	CITATIONS
19	Corrigendum to Example 4 in “ \mathbb{C}^1 -Bases for complex rational curves” [Computer Aided Geometric Design 30 (2013), 623–635]. Computer Aided Geometric Design, 2014, 31, 277-278.	1.2	0
20	Explicit \mathbb{C}^1 -bases for conic sections and planar rational cubic curves. Computer Aided Geometric Design, 2016, 41, 62-75.	1.2	0
21	Two additional advantages of complex \mathbb{C}^1 -bases for non-ruled real quadric surfaces. Computer Aided Geometric Design, 2016, 42, 31-33.	1.2	0