

Xuhui Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Flux-aligned quad mesh generation in magnetohydrodynamic simulation. <i>Journal of Computational Physics</i> , 2022, 466, 111393.	3.8	1
2	An Adaptive Collocation Method with Weighted Extended PHT-Splines. <i>Journal of Systems Science and Complexity</i> , 2021, 34, 47-67.	2.8	2
3	Constructing quadratic birational maps via their complex rational representation. <i>Computer Aided Geometric Design</i> , 2021, 85, 101969.	1.2	2
4	Modified basis functions for MPHT-splines. <i>Journal of Computational and Applied Mathematics</i> , 2020, 375, 112817.	2.0	2
5	Nonlinear Weighted Average and Blossoming. <i>Communications in Mathematics and Statistics</i> , 2020, 8, 361-378.	1.5	1
6	Modified PHT-splines. <i>Computer Aided Geometric Design</i> , 2019, 73, 37-53.	1.2	9
7	Interval optimal power flow applied to distribution networks under uncertainty of loads and renewable resources. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 139-150.	5.4	10
8	Rational curves over generalized complex numbers. <i>Journal of Symbolic Computation</i> , 2019, 93, 56-84.	0.8	1
9	A condition of surfaces with singular parametrizations in isogeometric analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 332, 136-156.	0.6	1
10	An Encoding Algorithm for Minimizing Medium Time and Energy in Wireless Networks. <i>Wireless Personal Communications</i> , 2018, 98, 1103-1117.	2.7	1
11	Dynamic optimal power flow model incorporating interval uncertainty applied to distribution network. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 2926-2936.	2.5	2
12	Explicit $\hat{1}/4$ -bases for conic sections and planar rational cubic curves. <i>Computer Aided Geometric Design</i> , 2016, 41, 62-75.	1.2	0
13	Two additional advantages of complex $\hat{1}/4$ -bases for non-ruled real quadric surfaces. <i>Computer Aided Geometric Design</i> , 2016, 42, 31-33.	1.2	0
14	Birational 2D Free-Form Deformation of degree $1 \leq n$. <i>Computer Aided Geometric Design</i> , 2016, 44, 1-9.	1.2	6
15	Complex $\hat{1}/4$ -bases for real quadric surfaces. <i>Computer Aided Geometric Design</i> , 2015, 37, 57-68.	1.2	1
16	Quaternion rational surfaces: Rational surfaces generated from the quaternion product of two rational space curves. <i>Graphical Models</i> , 2015, 81, 18-32.	2.4	5
17	Corrigendum to Example 4 in "Complex $\hat{1}/4$ -Bases for complex rational curves" [<i>Computer Aided Geometric Design</i> 30 (2013), 623-635]. <i>Computer Aided Geometric Design</i> , 2014, 31, 277-278.	1.2	0
18	$\hat{1}/4$ -Bases for complex rational curves. <i>Computer Aided Geometric Design</i> , 2013, 30, 623-635.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Using $\hat{1}/4$ -bases to implicitize rational surfaces with a pair of orthogonal directrices. Computer Aided Geometric Design, 2012, 29, 541-554.	1.2	14
20	Implicitization, parameterization and singularity computation of Steiner surfaces using moving surfaces. Journal of Symbolic Computation, 2012, 47, 733-750.	0.8	13
21	Implicitization and parametrization of quadratic surfaces with one simple base point. , 2008, , .		5