

# Xu Xu

## List of Publications by Year in descending order

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papers

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citations

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1199594

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#	ARTICLE	IF	CITATIONS
1	2-dimensional combinatorial Calabi flow in hyperbolic background geometry. <i>Differential Geometry and Its Applications</i> , 2016, 47, 86-98.	0.5	30
2	Discrete quasi-Einstein metrics and combinatorial curvature flows in 3-dimension. <i>Advances in Mathematics</i> , 2014, 267, 470-497.	1.1	26
3	$\alpha$ -curvatures and $\alpha$ -flows on low dimensional triangulated manifolds. <i>Calculus of Variations and Partial Differential Equations</i> , 2016, 55, 1.	1.7	16
4	On a combinatorial curvature for surfaces with inversive distance circle packing metrics. <i>Journal of Functional Analysis</i> , 2018, 275, 523-558.	1.4	13
5	Rigidity of inversive distance circle packings revisited. <i>Advances in Mathematics</i> , 2018, 332, 476-509.	1.1	13
6	Combinatorial Calabi flow with surgery on surfaces. <i>Calculus of Variations and Partial Differential Equations</i> , 2019, 58, 1.	1.7	11
7	A combinatorial Yamabe problem on two and three dimensional manifolds. <i>Calculus of Variations and Partial Differential Equations</i> , 2021, 60, 1.	1.7	8
8	On the global rigidity of sphere packings on 3-dimensional manifolds. <i>Journal of Differential Geometry</i> , 2020, 115, .	1.1	8
9	Three-dimensional discrete curvature flows and discrete Einstein metrics. <i>Pacific Journal of Mathematics</i> , 2017, 287, 49-70.	0.5	7
10	A new proof of Bowers' Stephenson conjecture. <i>Mathematical Research Letters</i> , 2021, 28, 1283-1306.	0.5	7
11	A Discrete Ricci Flow on Surfaces with Hyperbolic Background Geometry. <i>International Mathematics Research Notices</i> , 0, , rrw142.	1.0	6
12	Discrete Calabi Flow: A Unified Conformal Parameterization Method. <i>Computer Graphics Forum</i> , 2019, 38, 707-720.	3.0	5
13	Parameterized discrete uniformization theorems and curvature flows for polyhedral surfaces, II. <i>Transactions of the American Mathematical Society</i> , 2022, 375, 2763-2788.	0.9	5
14	C <sup>0</sup> -Sufficiency, Kuiper's Kuo and Thom Conditions for Non-isolated Singularity. <i>Acta Mathematica Sinica, English Series</i> , 2007, 23, 1251-1256.	0.6	4
15	Combinatorial Calabi flow on 3-manifolds with toroidal boundary. <i>Journal of Functional Analysis</i> , 2021, 280, 108990.	1.4	4
16	Combinatorial Calabi flows on surfaces with boundary. <i>Calculus of Variations and Partial Differential Equations</i> , 2022, 61, 1.	1.7	3
17	Positive energy theorem for (4+1)-dimensional asymptotically anti-de Sitter spacetimes. <i>Science China Mathematics</i> , 2014, 57, 389-396.	1.7	2
18	Hyperbolic positive energy theorem with electromagnetic fields. <i>Classical and Quantum Gravity</i> , 2015, 32, 025007.	4.0	2

#	ARTICLE	IF	CITATIONS
19	Some remarks on the Dirac-Witten operator on pseudo-Riemannian manifolds. Journal of Geometry and Physics, 2012, 62, 1999-2008.	1.4	1
20	The Structure of Simple Modules of Birman-Murakami-Wenzl Algebras. Journal of Mathematics, 2015, 2015, 1-5.	1.0	1
21	Combinatorial Ricci Flows with Applications to the Hyperbolization of Cusped 3-Manifolds. International Mathematics Research Notices, 2022, 2022, 15549-15573.	1.0	1
22	Prescribing discrete Gaussian curvature on polyhedral surfaces. Calculus of Variations and Partial Differential Equations, 2022, 61, 1.	1.7	1
23	Parameterized combinatorial curvatures and parameterized combinatorial curvature flows for discrete conformal structures on polyhedral surfaces. Journal of Functional Analysis, 2022, 282, 109442.	1.4	1
24	A new class of discrete conformal structures on surfaces with boundary. Calculus of Variations and Partial Differential Equations, 2022, 61, .	1.7	1
25	Some index classes of singularity of vector fields on manifolds with boundary. Wuhan University Journal of Natural Sciences, 2002, 7, 388-390.	0.4	0
26	On the Multiplicity of a $C^{\infty}$ -differentiable Function-germ. Acta Mathematica Sinica, English Series, 2007, 23, 711-714.	0.6	0
27	On Manifolds with Lower Quadratic Curvature Decay and Volume Pinching. International Mathematics Research Notices, 2020, 2020, 7857-7872.	1.0	0
28	The Morse criticality revisited and some new applications to the Morse-Sard theorem. Manuscripta Mathematica, 2020, 161, 467-485.	0.6	0
29	Combinatorial Ricci flow on compact 3-manifolds with boundary. Journal of Functional Analysis, 2022, 283, 109556.	1.4	0