

# Gabriel Katz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2623706/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Varieties in Cages: A Little Zoo of Algebraic Geometry. Arnold Mathematical Journal, 2022, 8, 1-17.	0.4	0
2	Detecting intrinsic global geometry of an obstacle via layered scattering. Chaos, 2022, 32, .	2.5	1
3	Causal Holography of Traversing Flows. Journal of Dynamics and Differential Equations, 2021, 33, 235-274.	1.9	3
4	Gromov's Amenable Localization and Geodesic Flows. Qualitative Theory of Dynamical Systems, 2021, 20, 1.	1.7	0
5	The Ball-Based Origami Theorem and a Glimpse of Holography for Traversing Flows. Qualitative Theory of Dynamical Systems, 2020, 19, 1.	1.7	3
6	Causal holography in application to the inverse scattering problems. Inverse Problems and Imaging, 2019, 13, 597-633.	1.1	5
7	Flows in Flatland: A Romance of Few Dimensions. Arnold Mathematical Journal, 2017, 3, 281-317.	0.4	1
8	Traversally generic & versal vector flows: semi-algebraic models of tangency to the boundary. Asian Journal of Mathematics, 2017, 21, 127-168.	0.3	4
9	Complexity of shadows and traversing flows in terms of the simplicial volume. Journal of Topology and Analysis, 2016, 08, 501-543.	0.5	4
10	Using simplicial volume to count multi-tangent trajectories of traversing vector fields. Geometriae Dedicata, 2016, 180, 323-338.	0.3	5
11	THE STRATIFIED SPACES OF REAL POLYNOMIALS AND TRAJECTORY SPACES OF TRAVERSING FLOWS. JP Journal of Geometry and Topology, 2016, 19, 95-160.	0.1	4
12	Stratified Convexity & Concavity of Gradient Flows on Manifolds with Boundary. Applied Mathematics, 2014, 05, 2823-2848.	0.4	5
13	THE BURNSIDE RING-VALUED MORSE FORMULA FOR VECTOR FIELDS ON MANIFOLDS WITH BOUNDARY. Journal of Topology and Analysis, 2009, 01, 13-27.	0.5	1
14	Deconstructing functions on quadratic surfaces into multipoles. Annals of Global Analysis and Geometry, 2007, 32, 167-207.	0.6	0
15	Curves in Cages: An Algebro-Geometric Zoo. American Mathematical Monthly, 2006, 113, 777-791.	0.3	6
16	How tangents solve algebraic equations, or a remarkable geometry of discriminant varieties. , 2003, 21, 219-261.		16